

Atkins China Limited Chief Resident Engineer's Office No. 17 Cheung Chau Sai Tai Road Cheung Chau, New Territories Hong Kong

#### Attn: Mr. Elwyn Lo – Chief Resident Engineer

| Your Reference                             | Contract No. CM 04/2021  |  |  |
|--|--|--|--|
| <b>Our Reference</b><br>AFK/EC/TC/LL/kl/   | Independent Environmental Checker for Environmental Monitoring Works for<br>Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities  |  |  |
| T601424122/L085                            | Environmental Permit No. EP-488/2014/A   |  |  |
| Mott MacDonald<br>3/F Manulife Tower       | Monthly EM&A Report for July 2024 (Rev. 2)   |  |  |
| 348 Kwun Tong Road<br>Kwun Tong<br>Kowloon | 13 August 2024   |  |  |
| Hong Kong                                  | By Email   |  |  |
| T +852 2828 5757<br>F +852 2827 1823       | Dear Sir,  |  |  |
| mottmac.hk                                 | I refer to the Monthly EM&A Report for July 2024 (Rev. 2) under the captioned Project, which was certified on 13 August 2024 by the Environmental Team Leader appointed under Condition 2.1 of Environmental Permit No. EP-488/2014/A (hereafter referred to as "EP"). |  |  |
|  | I hereby verify the abovementioned submission in accordance with EP Conditions 1.9 and 4.4.  |  |  |
|  | Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2828 5751.   |  |  |
|  | Yours faithfully<br>for MOTT MACDONALD HONG KONG LIMITED   |  |  |
|  |  |  |  |

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Encl.

c.c. DSD Atkins China Limited

> Acuity Sustainability Consulting Limited Build King Civil Engineering Limited

Ir. QIU Yujing, Eugene By Email Ir. Dennis Cheung / By Email Ir. Winnie Choi Mr. Kevin Li By Email Mr. Alvin Lei / By Email Mr. Lawrence Lam







# Contract No. DC/2019/07

# Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 – Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities

# 36th Monthly Environmental Monitoring and Audit Report – July 2024

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| Member       |   | Member             |   | Leader             |   |                    |  |
| Signature    |   | and the            |   | fulfly             |   | K.                 |  |
| Date:        |   | 5/8/2024           |   | 13/8/2024          |   | 13/8/2024          |  |

# **REVISION HISTORY**

| REV. | <b>Description of Modification</b>  | DATE           |
|------|-------------------------------------|----------------|
| 0    | First Issue for Comments            | 7 August 2024  |
| 1    | Updated according to IEC's comments | 12 August 2024 |
| 2    | Updated according to IEC's comments | 13 August 2024 |

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   Period (Tentative)

### **EXECUTIVE SUMMARY**

- A.1 Pursuant to the Environmental Impact Assessment Ordinance (EIAO), the Director of Environmental Protection (DEP) granted the Environmental Permit (No. EP-488/2014/A) to DSD for the Project.
- A.2 Upon the requirement of the Environmental Permit (EP), the Monthly EM&A Monitoring Report shall be submitted to the DEP within 10 working days after the end of the reporting month. The submissions shall be verified by the Independent Environmental Checker (IEC) and complied with the requirements set out in the Environmental Monitoring and Audit (EM&A) Manual before submission to the DEP as stipulated in Condition 4.4 of the EP.
- A.3 The commencement date of the Project was 6 August 2021. Impact environmental monitoring of 24-hour TSP, 1-hour TSP and noise was conducted as stipulated in Condition 4.2 of the EP. This is the 36<sup>th</sup> Monthly EM&A Report for the Project summarizing the monitoring results and audit findings of the EM&A programme at selected locations at and around Cheung Chau during the reporting period from 1 to 31 July 2024.
- A.4 Key activities carried out in this reporting period for the Project included the followings:
  - Trial Pit and Ground Investigation
  - Construction of MBR Treatment Facilities
  - MVAC Installation Works
  - Lifting Appliance Installation for Sludge Digestor Building
  - FS Installation
  - Construction of Preliminary Treatment Facilities
  - Laying of Underground Pipes, Utilities and Construction of Manholes
  - Removal of Smart Sewerage Monitoring System
  - Lifting Appliance Installation for Membrane Bioreactor Building
  - Mechanical Installation of MBR
- A.5 The major environmental impacts brought by the above construction works include:
  - Construction dust and noise generation from construction works and piling works
  - Wastewater generated from construction activities
  - Waste generation from the construction activities
- A.6 The key environmental mitigation measures implemented for the Project in this reporting period associated with the above construction works include:
  - Dust suppression by regular wetting and water spraying for construction works
  - Reduction of noise from equipment and machinery on-site
  - Mitigation measures preventing seepage of muddy water
  - Sorting and storage of general refuse and construction waste
- A.7 Five (5) sessions of air monitoring were carried out at all designated monitoring locations. No exceedance of Action or Limit Level was recorded.
- A.8 Five (5) sessions of noise monitoring were carried out at all designated monitoring locations. No exceedance of Action or Limit Level was recorded.
- A.9 Results of the monitoring for air quality and airborne noise are given in **Table A** and **Table B** as follows:

|           | Dust in µg/m <sup>3</sup> |          |         |          |
|-----------|---------------------------|----------|---------|----------|
| Locations | Average                   |          | Range   |          |
|           | TSP-1hr                   | TSP-24hr | TSP-1hr | TSP-24hr |
| A1a       | 71                        | 56       | 63 - 78 | 42 - 76  |
| A2a       | 63                        | 64       | 56 - 70 | 44 - 91  |

# Table A – Monitoring Results (Dust)

# Table B – Monitoring Results (Noise)

|           | Noise in dB(A)                        |                                       |  |
|-----------|---------------------------------------|---------------------------------------|--|
| Locations | Average                               | Range                                 |  |
|           | L <sub>eq (30 min)</sub> (7:00-19:00) | L <sub>eq (30 min)</sub> (7:00-19:00) |  |
| N2a       | 69.7                                  | 67.0 - 70.9                           |  |
| N3a       | 72.5                                  | 72.1 - 73.0                           |  |

s: +3 dB(A) free-field corrections have been made to N3a.

- A.10 According to Section 4.3.3 of the EM&A Manual, Site inspection shall be carried out by the ET and attention shall be paid to the mitigation measures recommended for water pollution control. Weekly site inspections were carried out and no non-compliance was spotted during the reporting month.
- A.11 According to the EM&A Manual section 4.4.1, baseline water quality monitoring should be carried out prior to the operation of the upgraded Cheung Chau STW to establish a baseline ambient condition. A six-month baseline water quality covering both dry and wet seasons is commenced in June 2024. Baseline water quality monitoring was carried out on 9 and 25 in July 2024.
- A.12 Waste management mitigation measures were properly implemented in the reporting period.
- A.13 For cultural heritage impact, as this Project does not involve proposed sewers works, according to Section 6.1.5 of the EM&A Manual, no EM&A requirement is considered necessary during the construction and operational phase of upgrading of Cheung Chau STW and Pak She SPS.
- A.14 The recommended landscape and visual mitigation measures were properly implemented in the reporting period.
- A.15 Weekly site inspections of the construction work by ET were carried out on 2, 9, 16, 23,

and 29 July 2024.

- A.16 No environmental complaint was received during the reporting period.
- A.17 No notification of summons or prosecution was received in the reporting period.
- A.18 A map of the construction site and monitoring locations are shown in <u>Appendix A</u>.
- A.19 The summary of permit / licences for this Project is presented in **Table C** below:

|   | Table C Summary off crime / Licences |            |             |  |  |
|---|--------------------------------------|------------|-------------|--|--|
| Nature  | Number                               | Issue Date | Expiry Date |  |  |
| Environmental<br>Permit   | EP-488/2014/A                        | 13/05/2021 | N/A         |  |  |
| Notification pursuant<br>to Air Pollution<br>Control<br>(Construction Dust)<br>Regulation | 462303                               | 26/11/2020 | N/A         |  |  |
| Waste Disposal  | 7039094                              | 7/12/2020  | N/A         |  |  |
| Billing Account   | 7040870                              | 9/07/2024  | 10/10/2024  |  |  |
| Chemical Waste<br>Producer  | 5213-920-B2500-05                    | 31/12/2020 | N/A         |  |  |
| Effluent Discharge<br>Licence under Water<br>Pollution Control<br>Ordinance               | WT00038597-2021                      | 20/08/2021 | 31/08/2026  |  |  |

Table C – Summary of Permit / Licences

### **1.** INTRODUCTION

#### **1.1. BACKGROUND**

- 1.1.1. Drainage Services Department (DSD) has contracted Build King Civil Engineering Limited (BK) to carry out the Outlying Islands Sewerage Stage 2 Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities under Contract No. DC/2019/07.
- 1.1.2. Acuity Sustainability Consulting Limited (ASCL) is commissioned by BK to undertake the Environmental Team (ET) services as required and/or implied, both explicitly and implicitly, in the Environmental Permit (EP), Environmental Impact Assessment Report (EIA Report) (Register No. AEIAR-181/2013) and Environmental Monitoring and Audit Manual (EM&A Manual) for the Project; and to carry out the Environmental Monitoring and Audit (EM&A) programme in fulfillment of the EIA Report's EM&A requirements under Agreement No. CE 15/2010 (DS).

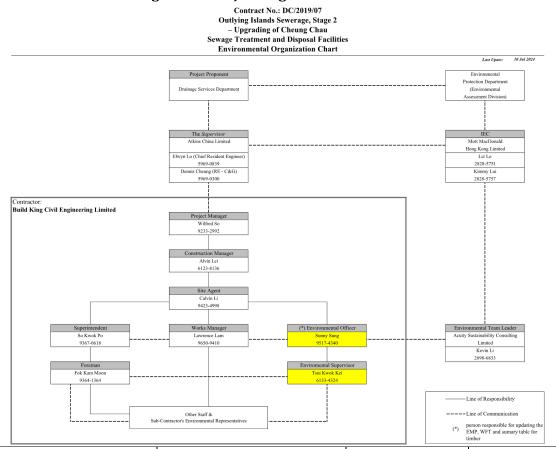
#### **1.2. PROJECT DESCRIPTION**

- 1.2.1 The purpose of the Project is to upgrade the sewerage collection, treatment and disposal facilities in Cheung Chau in order to cater for the projected ultimate population and planned developments in Cheung Chau to meet the increased demand and to achieve more stringent effluent quality standards. The key elements of the proposed works for the Project will include as follows:
  - Expansion of the sewage treatment capacity and upgrading of the treatment level of the existing Cheung Chau Sewage Treatment Works (Cheung Chau STW) to secondary treatment level; and
  - Expansion of the pumping capacity of the existing Pak She Sewage Pumping Station (Pak She SPS).

#### **1.3. PROJECT ORGANIZATION STRUCTURE**

#### 1.3.1 The Project organization structure is presented in **Figure 1.1**.

## Figure 1.1 Project Organization Structure



| Party   | Role  | Contact Person              | Phone No.              |
|---|---|-----------------------------|------------------------|
| Drainage Services<br>Department<br>HKSAR (DSD)                                | Project Proponent                                 | QIU Yujiing,<br>Eugene      | 2594 7298              |
| Supervisor / Supervisor's<br>Representative<br>(Atkins China Limited)         | Resident Engineer                                 | Dennis Cheung               | 2675 3910              |
| Environmental Team<br>(Acuity Sustainability<br>Consulting Limited)           | Environmental Team<br>Leader                      | Kevin Li                    | 2698 6833              |
| Independent<br>Environmental Checker<br>(Mott Macdonald Hong<br>Kong Limited) | Independent<br>Environmental Checker              | Liz Lo                      | 2828 5751              |
| Contractor  | Site Agent  | Calvin Li                   | 9423 4998              |
| (Build King Construction<br>Limited)  | Environmental Officer<br>Environmental Supervisor | Sunny Sung<br>Tsui Kwok Kei | 9517 4340<br>6133 4324 |

**1.4. SUMMARY OF CONSTRUCTION WORKS** 

1.4.1 Details of the major construction activities undertaken in this and the next reporting periods are shown below. The construction programme is presented in **Appendix B**.

Key activities carried out in this reporting period for the Project included the followings:

- Trial Pit and Ground Investigation
- Construction of MBR Treatment Facilities
- MVAC Installation Works
- Lifting Appliance Installation for Sludge Digestor Building
- FS Installation
- Construction of Preliminary Treatment Facilities
- Laying of Underground Pipes, Utilities and Construction of Manholes
- Removal of Smart Sewerage Monitoring System
- Lifting Appliance Installation for Membrane Bioreactor Building
- Mechanical Installation of MBR

Key activities to be carried out in the next reporting period for the Project included the followings:

- Trial Pit and Ground Investigation
- Construction of MBR Treatment Facilities
- MVAC Installation Works
- Lifting Appliance Installation for Sludge Digestor Building
- FS Installation
- Construction of Preliminary Treatment Facilities
- Laying of Underground Pipes, Utilities and Construction of Manholes
- Removal of Smart Sewerage Monitoring System
- Lifting Appliance Installation for Membrane Bioreactor Building
- Mechanical Installation of MBR

### **1.5.** PURPOSE OF THE REPORT

- 1.5.1 According to the EM&A Manual for the Project, monitoring for air quality and noise should be conducted throughout the construction period of the Project.
- 1.5.2 The EM&A requirements for environmental monitoring are set out in the EM&A Manual. Environmental aspect of construction noise and air quality were identified as the key issues requiring implementation of monitoring programme during the construction phase of the Project.
- 1.5.3 This report is summarizing the monitoring results and audit findings of the EM&A programme during the reporting period from 1 July to 31 July 2024.

## **2.** AIR QUALITY

## **2.1. AIR QUALITY PARAMETERS**

- 2.1.1 The air quality parameters to be monitored includes:
  - 24-hour TSP;
  - 1-hour TSP; and the

#### **2.2. MONITORING CRITERIA**

- 2.2.1 Dust monitoring was carried out at the designated monitoring location at least once in every six-days to obtain 24-hour TSP samples. One-hour TSP sampling shall also be done at least 3 times in every six-days while the highest dust impact occurs.
- 2.2.2 Before commencing the impact monitoring, the ET Leader shall inform the IEC of the impact monitoring programme such that the IEC can conduct on-site audit to ensure accuracy of the impact monitoring results.
- 2.2.3 In case of non-compliance with the air quality criteria, additional monitoring as specified in the Action Plan shall be conducted within 24 hours after the result is obtained. This additional monitoring shall be continued until the excessive dust emission or the deterioration in air quality is rectified.

### 2.3. MONITORING REQUIREMENTS AND EQUIPMENT

- 2.3.1 1-hour and 24-hour TSP levels were measured to indicate the impacts of construction dust on air quality. The 24-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the Title 40 of the United States Code of Federal Regulations, Chapter 1 (Part 50), Appendix B.
- 2.3.2 High volume samplers (HVSs) in compliance with the following specifications shall be used for carrying out the 1-hour and 24-hour TSP monitoring:
  - (i)  $0.6 1.7 \text{ m}^3$  per minute adjustable flow range;
  - (ii) equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
  - (iii) installed with elapsed-time meter with +/- 2 minutes accuracy for 24 hours operation;
  - (iv) capable of providing a minimum exposed area of 406 cm<sup>2</sup>;
  - (v) flow control accuracy: +/- 2.5% deviation over 24-hour sampling period;
  - (vi) equipped with a shelter to protect the filter and sampler;
  - (vii) incorporated with an electronic mass flow rate controller or other equivalent devices;
  - (viii) equipped with a flow recorder for continuous monitoring;
  - (ix) provided with a peaked roof inlet;
  - (x) incorporated with a manometer;
  - (xi) able to hold and seal the filter paper to the sampler housing at horizontal position;
  - (xii) easily changeable filter; and
  - (xiii) capable of operating continuously for a 24-hour period.

- 2.3.3 The ET is responsible for provision of the monitoring equipment. They shall ensure that sufficient number of HVSs with an appropriate calibration kit is available for carrying out the impact monitoring, and ad hoc monitoring. The HVSs shall be equipped with an electronic mass flow controller and be calibrated against a traceable standard at regular intervals. All the equipment, calibration kit, filter papers, etc., shall be clearly labelled.
- 2.3.4 Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognised primary standard and be calibrated annually. The concerned parties such as ER shall properly document the calibration data for future reference. All the data shall be converted into standard temperature and pressure condition.
- 2.3.5 If the ET proposes to use a direct reading dust meter to measure 1-hour TSP levels, he shall submit sufficient information to the ER to prove that the instrument is capable of achieving a comparable result to the HVS. The instrument shall 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.

#### Laboratory Measurement / Analysis

- 2.3.6 A clean laboratory with constant temperature and humidity control and equipped with necessary measuring and conditioning instruments to handle the dust samples collected, shall be available for sample analysis, and equipment calibration and maintenance. The laboratory shall be HOKLAS accredited.
- 2.3.7 Filter paper of size 8" x 10" shall be labelled before sampling. It shall be a clean filter paper with no pinholes and shall be conditioned in a humidity-controlled chamber for over 24-hours and be pre-weighed before use for the sampling.
- 2.3.8 After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity-controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg. The balance shall be regularly calibrated against a traceable standard.

2.3.9 1-hour TSP levels and 24-hour TSP had been measured with direct reading dust meters and High Volume Samplers respectively. The details of equipment used for monitoring are listed in **Table 2.1**, and the calibration certificates are presented in <u>Appendix C</u>.

| Equipment                    | Model                             | Serial Number |  |
|------------------------------|-----------------------------------|---------------|--|
| Portable Dust Meter – 1-hour | SIBATA Digital Dust Indicator     | 2Y6550        |  |
| TSP                          | (Model: LD-5R)                    | 2Y6549        |  |
| High Volume Samplers – 24-   | Tisch TE-5170X High Volume        | 1048          |  |
| hour TSP                     | Air Sampler                       | 1085          |  |
| Calibrator Kit               | Tisch TE-5025A Calibration<br>Kit | 3465          |  |

### **2.4. MONITORING LOCATIONS**

- 2.4.1 The ET agreed with the ER and the IEC on the position of the HVS for the installation of the monitoring equipment. When positioning the samplers, the following points were noted:
  - (i) a horizontal platform with appropriate support to secure the samplers against gusty wind shall be provided;
  - (ii) no two samplers shall be placed less than 2 meters apart;
  - (iii) the distance between the sampler and an obstacle, such as buildings, must be at least twice the height that the obstacle protrudes above the sampler;
  - (iv) a minimum of 2 meters of separation from walls, parapets and penthouses is required for rooftop samplers;
  - (v) a minimum of 2 meters separation from any supporting structure, measured horizontally is required;
  - (vi) no furnace or incinerator flue is nearby;
  - (vii) airflow around the sampler is unrestricted;
  - (viii) the sampler is more than 20 meters from the dripline;
  - (ix) any wire fence and gate, to protect the sampler, shall not cause any obstruction during monitoring
  - (x) permission must be obtained to set up the samplers and to obtain access to the monitoring stations; and
  - (xi) a secured supply of electricity is needed to operate the samplers.

2.4.2 The proposed dust monitoring station is presented in **Table 2.2** and the respective locations are shown in Figure 2.1 of the EM&A Manual.

| ID No. | Location  | Nature of Use   | Remarks  |
|--------|---|-----------------|--|
| A1     | Cheung King House, Cheung<br>Kwai Estate                          | Residential     | Specified in the EM&A Manual but proposed to change location |
| A1a    | The admin building inside the construction site                   | Institutional   | Proposed alternative location to replace A1                  |
| A2     | Cheung Chau Slaughter House                                       | Slaughter house | Specified in the EM&A Manual but proposed to change location |
| A2a    | The existing outfall pumping station inside the construction site | Institutional   | Proposed alternative location to replace A2                  |

# **Table 2.2 Proposed Dust Monitoring Stations**

- 2.4.3 As secured electricity supply was not able to be provided at Monitoring Station A1, Monitoring Station A1a was then proposed. The proposed Monitoring Station A1a is the Admin Building inside the construction site. It is located at a similar direction as A1 from the construction site, but much closer to any major dust emission source than A1.
- 2.4.4 Monitoring Station A2 is now abandoned, only limited access can be granted and power supply cannot be guaranteed which may not feasible to be a monitoring location. An alternative location A2a, which is the existing outfall pumping station Building inside the construction site. Location A2a is about 30 meters away from the Cheung Chau slaughter house and closer to the dust emission source.
- 2.4.5 The proposed alternative monitoring locations meet the guidelines and requirements specified in Section 2.4.1 and 2.4.2 of the EM&A Manual. **Table 2.3** shows the photographs of the air monitoring locations.

| ID          | HVS Position   | Direction of Photo                           |
|-------------|--|--|
| A1          |  |  |
|             | oposed Monitoring Station A1a is the Admin Building<br>on as A1 from the construction site, but much closer to |  |
| A1a         |  |  |
| A2<br>Becau | se Monitoring Station A2 is now abandoned, only lin  | mited access can be granted and power supply |

# Table 2.3 Photo of Proposed HVS Position at Dust Monitoring Stations

| ID  | HVS Position | Direction of Photo |
|-----|--------------|--------------------|
| A2a | TWO TOSILION |                    |
|     |              |                    |

# **2.5.** RESULTS AND ANALYSIS

2.5.1 The 1-hour TSP and 24-hour TSP measurement data are shown in <u>Appendix D</u> and summarized in **Table 2.4** and **Table 2.5** respectively.

| <b>Monitoring Location</b> | Average(µg/m3) | Range(µg/m3) |  |  |
|----------------------------|----------------|--------------|--|--|
| A1a                        | 71             | 63 - 78      |  |  |
| A2a                        | 63             | 56 - 70      |  |  |

Table 2.4Summary of 1-hour TSP Monitoring Results

| Table 2.5 | Summary of 24-hour TSP Monitoring Results |
|-----------|---|
|           |   |

| Monitoring Location | Average(µg/m3) | Range(µg/m3) |
|---------------------|----------------|--------------|
| A1a                 | 56             | 42 - 76      |
| A2a                 | 64             | 44 - 91      |

# 2.6. Environmental Quality Performance Limits

2.6.1 The baseline monitoring results formed the basis for determining the air quality criteria for the impact monitoring. The ET shall compare the impact monitoring results with air quality criteria set up for 24-hour TSP and 1-hour TSP. **Table 2.6** shows the air quality criteria, namely Action and Limit levels to be used.

| Parameters                   | Action Level  | Limit Level |
|------------------------------|---|-------------|
| 1-hour TSP Level<br>in μg/m³ | $\begin{array}{l} \hline For \ baseline \ level \leq 200 \ \mu g/m^3 \\ AL = (BL * 1.3 + LL)/2 \\ \hline For \ baseline \ level > 200 \ \mu g/m^3 \\ AL = LL \end{array}$ | 260 μg/m³   |

### Table 2.6Action / Limit Levels for Air Quality

| Parameters Action Level       |   | Limit Level           |
|-------------------------------|---|-----------------------|
| 24-hour TSP Level in<br>μg/m³ | $\frac{\text{For baseline level} \le 384 \mu\text{g/m}^3}{\text{AL} = (\text{BL} * 1.3 + \text{LL})/2}$ $\frac{\text{For baseline level} > 384 \mu\text{g/m}^3}{\text{AL} = \text{LL}}$ | 500 μg/m <sup>3</sup> |

# 2.6.2 The derived Action/Limit Levels are presented in **Table 2.7**.

| Table 2.7 Derived Action / Limit Levels for An Quanty |                     |                          |                                      |  |
|---|---------------------|--------------------------|--------------------------------------|--|
| Parameters  | Monitoring Location | Action Level $\mu g/m^3$ | <b>Limit Level</b> μg/m <sup>3</sup> |  |
| 1-hour TSP Level                                      | A1a                 | 151                      | 260                                  |  |
| in μg/m <sup>3</sup>                                  | A2a                 | 154                      | 260                                  |  |
| 24-hour TSP Level                                     | A1a                 | 270                      | 500                                  |  |
| in μg/m <sup>3</sup>                                  | A2a                 | 271                      | 500                                  |  |

# Table 2.7 Derived Action / Limit Levels for Air Quality

# **2.7. EVENT AND ACTION PLAN**

2.7.1 Should non-compliance of the air quality criteria occur, actions in accordance with the Action Plan in **Table 2.8** shall be carried out.

| EVENT  | ACTION PLAN FOR CONSTRUCTION DUST   |   |  |  |
|--|---|---|--|--|
|  | ET  | IEC   | ER   | CONTRACTOR   |
|  |   | ACTION LEVEL  |  |  |
| Exceedance<br>for one<br>sample                            | <ol> <li>Identify source, investigate the causes of<br/>exceedance and propose remedial<br/>measures;</li> <li>Inform IEC and ER;</li> <li>Repeat measurement to confirm finding;<br/>and</li> <li>Increase monitoring frequency to daily.</li> </ol>   | <ol> <li>Check monitoring data submitted<br/>by ET; and</li> <li>Check Contractor's working<br/>method.</li> </ol>  | 1. Notify Contractor.  | <ol> <li>Rectify any unacceptable<br/>practice; and</li> <li>Amend working methods if<br/>appropriate.</li> </ol>  |
| Exceedance<br>for two or<br>more<br>consecutive<br>samples | <ol> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedance continues, arrange meeting with IEC and ER; and</li> <li>If exceedance stops, cease additional monitoring.</li> </ol> | <ol> <li>Check monitoring data submitted by<br/>ET;</li> <li>Check Contractor's working<br/>method;</li> <li>Discuss with ET and Contractor on<br/>possible remedial measures;</li> <li>Advise the ET on the effectiveness<br/>of the proposed remedial measures;<br/>and</li> <li>Supervise implementation of<br/>remedial measures</li> </ol> | <ol> <li>Confirm receipt of notification of<br/>failure in writing;</li> <li>Notify Contractor; and</li> <li>Ensure remedial measures<br/>properly implemented.</li> </ol> | <ol> <li>Submit proposals for<br/>remedial to IEC within 3<br/>working days of notification;</li> <li>Implement the agreed<br/>proposals; and</li> <li>Amend proposal if<br/>appropriate.</li> </ol> |

 Table 2.8
 Event and Action Plan for Air Quality (Construction Dust)

#### **3.** Noise

#### **3.1. MONITORING CRITERIA**

- 3.1.1 Impact monitoring was conducted once a week between 07:00-19:00 hours on normal weekdays.
- 3.1.2 **Table 3.1** summarizes the monitoring parameters, frequency and duration of the noise monitoring.

| Time                      | Duration      | Interval  | Parameters  |
|---------------------------|---------------|---|---|
| Daytime:<br>0700-1900 hrs | Once per week | Continuously in<br>L <sub>eq 5min</sub> /L <sub>eq 30min</sub><br>(average of 6<br>consecutive L <sub>eq 5min</sub> ) | L <sub>eq 5min</sub> , L <sub>eq 30min</sub> ,<br>L <sub>10</sub> & L <sub>90</sub> |

#### Table 3.1 Noise Monitoring Parameters, Time, Frequency and Duration

#### **3.2. MONITORING REQUIREMENTS AND EQUIPMENT**

- 3.2.1 Sound level meters and calibrators shall comply with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specification as referred to in the Technical Memorandum (TM) issued under the Noise Control Ordinance.
- 3.2.2 Sound level meters were calibrated using a portable calibrator prior to and following each noise measurement. Where the difference between the calibration levels is greater than 1.0 dB(A), the measurement shall be repeated. Calibrated hand-held anemometers were supplied for the measurement of wind speeds during noise monitoring periods.
- 3.2.3 Noise measurements should 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.
- 3.2.4 The details of equipment used for impact monitoring are listed in **Table 3.2**, and the calibration certificates are presented in <u>Appendix E</u>.

| Equipment           | Model       | Serial Number |
|---------------------|-------------|---------------|
| Sound Level Meter   | SVANTEK 971 | 96063         |
| Acoustic Calibrator | Rion NC-75  | 34724243      |

#### Table 3.2 Equipment Used for Noise Monitoring

#### **3.3.** MONITORING LOCATION

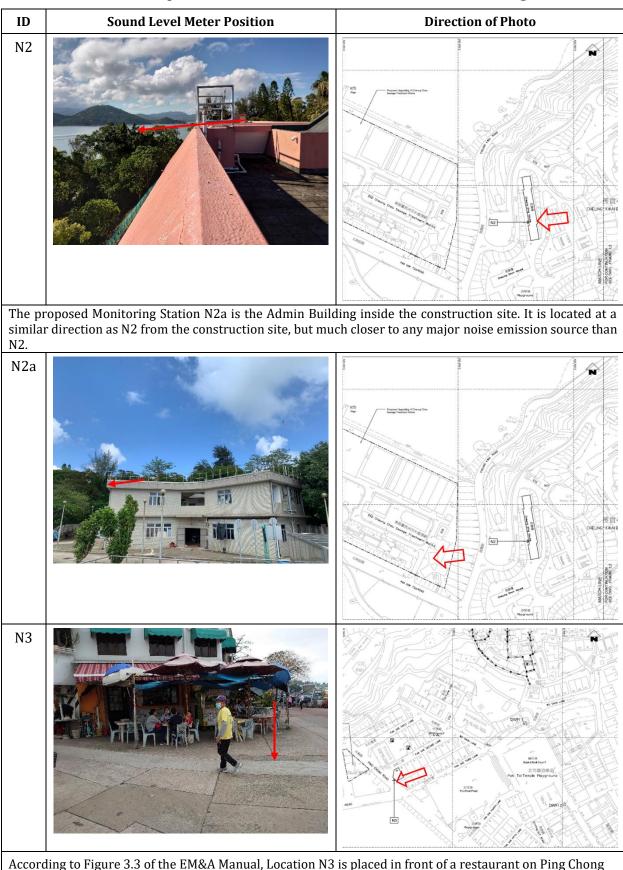
3.3.1 According to the environmental findings detailed in the EIA report, the designated locations for the construction noise monitoring are listed in **Table 3.3** and shown in Figure 3.1 – 3.8 of the EM&A Manual.

| ID No. | Location   | Nature of Uses | Remarks   | Façade/Free-field |
|--------|--|----------------|---|-------------------|
| N2     | Cheung King<br>House, Cheung<br>Kwai Estate          | Residential    | Specified in the<br>EM&A Manual<br>but proposed to<br>change location | Façade            |
| N2a    | Admin Building<br>inside the<br>Construction<br>Site | Institutional  | Proposed<br>alternative<br>location to<br>replace N2                  | Façade            |
| N3     | No. 1A Pak She<br>Second Lane                        | Residential    | Specified in the<br>EM&A Manual<br>but proposed to<br>change location | Free-field        |
| N3a    | Cheung Chau<br>Fire Station                          | Fire Station   | Proposed<br>alternative<br>location to<br>replace N3                  | Free-field        |

 Table 3.3 Noise Monitoring Stations for Noise Monitoring

- 3.3.2 For this Contract, only N2 and N3 need to be monitored since all the other monitoring stations specified in the EM&A Manual are for sewers works but this Contract does not include sewers works.
- 3.3.3 The proposed Monitoring Station N2a is the Admin Building inside the construction site. It is located at a similar direction as N2 from the construction site, but much closer to any major noise emission source than N2.
- 3.3.4 According to Figure 3.3 of the EM&A Manual, Location N3 is placed in front of a restaurant on Ping Chong Road. It may pose potential danger to pedestrians, cyclists, drivers and the equipment. A proposed monitoring location N3a, which is about 5 m away from the original monitoring location. N3a is at the corner of the Cheung Chau Fire Station. This location is safer and meets the guidelines and requirements specified in Section 3.4.1 and 3.4.2 of the EM&A Manual.
- 3.3.5 The monitoring locations should normally be made at a point 1m from the exterior of the NSRs building façade and be at a position 1.2m above the ground. **Table 3.4** showed photographs and indications of the proposed position of sound level meters to be placed for the baseline and impact monitoring.

#### Table 3.4 Photo of Proposed Sound Level Meter Position at Noise Monitoring Stations



Road. It may pose potential danger to pedestrians, cyclists, drivers and the equipment.

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| ID  | Sound Level Meter Position | Direction of Photo   |
|-----|----------------------------|--|
| N3a |                            | A Constrained of the second of |

### **3.4. RESULTS AND ANALYSIS**

3.4.1 The noise monitoring was carried out in July 2024. The measurement data are shown in <u>Appendix F</u> and summarized in **Table 3.5**.

| Monitoring<br>Location | Time Period         | Average[dB(A)) | Range[dB(A)) |
|------------------------|---------------------|----------------|--------------|
| N2a                    | Daytime (0700-1900) | 69.7           | 67.0 - 70.9  |
| N3a                    | Daytime (0700-1900) | 72.5           | 72.1 - 73.0  |

#### Table 3.5 Summary of Noise Monitoring Results

s: +3 dB(A) free-field corrections have been made to the data of N3a.

### 3.5. Environmental Quality Performance Limits

3.5.1 The Action and Limit levels for construction noise are shown in **Table 3.6**. All NSRs identified in the Project are classified with an Area Sensitivity Rating (ASR) A in accordance with the Technical Memorandum on Noise from Construction Work Other Than Percussive Piling.

### Table 3.6 Action / Limit Levels for Construction Noise

| Time Period                              | Action  | Limit   |
|--|---|---------|
| 07:00-19:00 hours on normal<br>weekdays; | When one or more documented complaints are received | 75dB(A) |

#### **3.6.** EVENT AND ACTION PLAN

3.6.1 Should non-compliance of the noise monitoring criteria occur, actions in accordance with the Action Plan in **Table 3.7** shall be carried out.

| Table 3.7 | <b>Event and Action Plan for Construction Noise</b> |
|-----------|---|
|-----------|---|

| Event           | ET  | IEC   | ER  | CONTRACTOR  |
|-----------------|---|---|---|---|
| Action<br>Level | <ol> <li>Notify ER, IEC and Contractor;</li> <li>Carry out investigation;</li> <li>Report the results of investigation to the<br/>IEC, ER and Contractor;</li> <li>Discuss with the IEC and contractor and<br/>formulate remedial measures; and</li> <li>Increase monitoring frequency to check<br/>the effectiveness of mitigation measures.</li> </ol>  | <ol> <li>Review the investigation results<br/>submitted by the ET;</li> <li>Review the proposed remedial<br/>measures by the Contractor and<br/>advise the ER accordingly; and</li> <li>Advise the ER on the<br/>effectiveness of the proposed<br/>remedial measures.</li> <li>Discuss amongst ET, ER and<br/>Contractor on the potential—</li> </ol> | <ol> <li>Confirm receipt of notification of<br/>failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC,<br/>agree with the Contractor on the<br/>remedial measures to be<br/>implemented; and</li> <li>Supervise the implementation of<br/>remedial measures.</li> </ol>  | <ol> <li>Submit noise mitigation proposals<br/>to IEC and ER; and</li> <li>Implement noise mitigation<br/>proposals.</li> </ol>   |
| Limit<br>Level  | <ol> <li>Notify IEC, ER, EPD &amp; Contractor;</li> <li>Identify source and investigate the cause<br/>of exceedance;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Carry out analysis of Contractor's working<br/>procedures to determine possible<br/>mitigation to be implemented;</li> <li>Discuss with the IEC, Contractor and ER<br/>on remedial measures required;</li> <li>Assess the effectiveness of Contractor's<br/>remedial actions and keep IEC, EPD and<br/>ER informed of the results; and</li> <li>If exceedance stops, cease additional<br/>monitoring.</li> </ol> | <ol> <li>remedial actions; and<br/>contractor on the potential<br/>remedial actions; and</li> <li>Review Contractor's remedial<br/>actions whenever necessary to<br/>assure their effectiveness and<br/>advise the ER accordingly.</li> </ol>   | <ol> <li>Confirm receipt of notification of<br/>failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the EIC,<br/>agree with the Contractor on the<br/>remedial measures to be<br/>implemented;</li> <li>Supervise the implementation of<br/>remedial measures; and</li> <li>If exceedance continues, consider<br/>stopping the Contractor to continue<br/>working on that portion of work<br/>which causes the exceedance until<br/>the exceedance is abated.</li> </ol> | <ol> <li>Take immediate action to avoid<br/>further exceedance;</li> <li>Submit proposals for remedial<br/>actions to IEC and ER within 3<br/>working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Submit further proposal if problem<br/>still not under control; and</li> <li>Stop the relevant portion of works<br/>as determined by ER, until the<br/>exceedance is abated.</li> </ol> |

### 4. WATER QUALITY

- 4.1 As suggested in Section 4.3 of the EM&A Manual, regular site audit was carried out to ensure that the recommended mitigation measures were properly implemented during the construction phase of upgrading of Cheung Chau STW and Pak She SPS. Site audit included site inspections and compliance audits were conducted in the reporting period.
- 4.2 Site inspections were carried out by the ET on 2, 9, 16, 23, and 29 July 2024. No major deficiency was observed and the implementation of recommended for water pollution control was considered satisfactory.
- 4.3 The Contractor was reminded to make sure any effluent discharge from construction activities of the Project site should meet the requirements stipulated in the discharge license and monitoring of the treated effluent quality from the Works Areas should be carried out in accordance with the Water Pollution Control Ordinance license that is under the ambit of the relevant regional EPD office.
- 4.4 According to the Specific Conditions B2 in Part B of the discharge licence issued under WPCO, a sample of discharge was taken on 13 June 2024 for testing. The test results were under the limitations of the requirements. The quality of the discharge compliant with the requirements of the discharge licence.
- 4.5 According to the EM&A Manual section 4.4.1, marine water quality monitoring should be carried out during the operational phase of the Project is to quantify the variability of pollutant concentrations in the marine waters. Measured pollutant concentrations are to be compared to the relevant Water Quality Objectives and to the baseline data to identify any significant impact on water quality from the operation of upgraded Cheung Chau STW (DP component). Baseline water quality monitoring should be carried out at all monitoring stations prior to the operation of the upgraded Cheung Chau STW to establish a baseline ambient condition.
- 4.6 A six-month baseline water quality covering both dry and wet seasons is commenced in June 2024. Baseline water quality monitoring was carried out on 9 and 25 in July 2024. Water monitoring locations are shown in Table 4.1. Table 4.2 showing the baseline water quality monitoring schedule in July 2024. Any update on the monitoring schedule shall notify the IEC and EPD. A baseline water quality monitoring report will be submitted after finished the baseline monitoring. The baseline water quality monitoring report shall be verified by the IEC.

| Locations       | Station | Easting   | Northing  |
|-----------------|---------|-----------|-----------|
| Cheung Chau STW | w1      | 820151.20 | 808236.90 |
| Cheung Chau Wan | w2      | 820579.40 | 807761.65 |
| Tung Wan        | w3      | 821221.73 | 808130.84 |
| Kwun Yam Wan    | w4      | 821469.22 | 807804.01 |
| Tai Kwai Wan    | w5      | 820493.00 | 808822.31 |
| Chi Ma Wan      | w6      | 817649.00 | 811487.00 |

Table 4.1: Water Quality Monitoring Locations

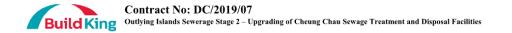
| Month | Dates of Water | Tidal Period              | Sampling      |
|-------|----------------|---------------------------|---------------|
|       | Sampling       |                           | Time          |
|       | 0              | Ebb Tide: 11:00 – 18:30   | 12:53 - 16:23 |
| I1.   | 9              | Flood Tide: 04:00 – 11:00 | 08:00 - 10:28 |
| July  | 25             | Ebb Tide: 12:00 – 18:30   | 13:26 - 16:56 |
|       | 25             | Flood Tide: 05:30 – 12:00 | 08:00 - 11:25 |

Table 4.2: Baseline Water Quality Monitoring Schedule in July 2024

# 5. WASTE MANAGEMENT

5.1 The waste generated from this Project includes inert construction and demolition (C&D) materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes, and recyclable wastes such as plastics and paper/cardboard packaging waste. Steel materials generated from the project are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are presented in **Table 5.1**.

Contract No. DC/2019/07 Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024



| Name of Department : Drainage Services Department | Contract No./ Work Order No. :       | DC/2019/07                                  |   |
|---|--------------------------------------|---|---|
|   | Project Title:                       | Outlying Islands Sewerage Stage 2 - Upgr    | ading of Cheung Chau Sewage Treatment and Disposal Facilities |
|   | Contractor:                          | <b>Build King Civil Engineering Limited</b> |   |
|   | Trip Ticket Account (Main Account):  |   | 7039094   |
|   | Trip Ticket Account (Vessel Account) | :   | 7040870   |
|   | Marine Dumping Permit (Type 1 - O    | en Sea Disposal):                           | EP/MD/23-041  |
|   | Marine Dumping Permit (Type 2 - Co   | onfined Marine Disposal):                   | EP/MD/23-033  |
|   |                                      |   |   |

#### Table 5.1 Monthly Summary Waste Flow Table for 2024 (in Weight)

| (All quantities sl | hall be rounded off to        | 3 decimal places)  |                            |                            |                         |                       |                 |                                   |   | updated on:           | 31-Jul-2024                              |                               |                                      |
|--------------------|-------------------------------|--|----------------------------|----------------------------|-------------------------|-----------------------|-----------------|-----------------------------------|---|-----------------------|--|-------------------------------|--------------------------------------|
|                    |                               | Actual Quar  | ntities of Inert C&D Mater | rials Generated / Imported | (in '000 kg)            |                       |                 | Actual Quantities                 | of Other C&D Materials /  | Wastes Generated      |  | Marine                        | Dumping                              |
| Month              | Total Quantities<br>Generated | Broken Concrete<br>(including rock for recycling into<br>aggregates) | Reused in the Contract     | Reused in Other Projects   | Disposed as Public Fill | Imported C&D Material | Metal           | Paper/ Cardboard<br>Packaging (f) | Plastic (g)<br>(bottles/containers, plastic sheets/<br>foams from package material) | Chemical Waste<br>(h) | Others (i)<br>(e.g. General Refuse etc.) | Type 1 - Open Sea<br>Disposal | Type 2 - Confined<br>Marine Disposal |
|                    | [a+b+c+d+e+f+g+h+i)           | (a)  | (b)                        | (c)                        | (d)                     |                       | (e) (in '000kg) | (in '000kg)                       | (in '000kg)   | (in '000kg)           | (in '000kg)                              | (in m <sup>3</sup> )          | (in m <sup>3</sup> )                 |
| Jan-2024           | 1588.4400                     | 0.0000   | 0.0000                     | 0.0000                     | 1563.0000               | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 25.4400                                  | 0.0000                        | 0.0000                               |
| Feb-2024           | 44.9600                       | 0.0000   | 0.0000                     | 0.0000                     | 18.1200                 | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 26.8400                                  | 0.0000                        | 0.0000                               |
| Mar-2024           | 40.6700                       | 0.0000   | 0.0000                     | 0.0000                     | 18.1100                 | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 22.5600                                  | 0.0000                        | 0.0000                               |
| Apr-2024           | 30.2400                       | 0.0000   | 0.0000                     | 0.0000                     | 24.6400                 | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 5.6000                                   | 0.0000                        | 0.0000                               |
| May-2024           | 817,6600                      | 0.0000   | 0.0000                     | 0.0000                     | 783.0000                | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 34.6600                                  | 0.0000                        | 0.0000                               |
| Jun-2024           | 47.2800                       | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 47.2800                                  | 0.0000                        | 0.0000                               |
| Half-year total    | 2569.2500                     | 0.0000   | 0.0000                     | 0.0000                     | 2406.8700               | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 162.3800                                 | 0.0000                        | 0.0000                               |
| Jul-2024           | 38.3400                       | 0.0000   | 0.0000                     | 0.0000                     | 37.5800                 | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 0.7600                                   | 0.0000                        | 0.0000                               |
| Aug-2024           |                               | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 0.0000                                   | 0.0000                        | 0.0000                               |
| Sep-2024           |                               | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 0.0000                                   | 0.0000                        | 0.0000                               |
| Oct-2024           | 2010                          | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 0.0000                                   | 0.0000                        | 0.0000                               |
| Nov-2024           |                               | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 0.0000                                   | 0.0000                        | 0.0000                               |
| Dec-2024           |                               | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 0.0000                                   | 0.0000                        | 0.0000                               |
| Yearly Total       | 2607.5900                     | 0.0000   | 0.0000                     | 0.0000                     | 2444.4500               | 0.0000                | 0.0000          | 0.0000                            | 0.0000  | 0.0000                | 163.1400                                 | 0.0000                        | 0.0000                               |

#### (All quantities shall be rounded off to 3 decimal places)

|       |                               | Actual Quar  | utities of Inert C&D Mater | rials Generated / Imported | (in '000 kg)            |                       |             | Actual Quantities             | of Other C&D Materials /  | Wastes Generated |                                      | Marine I                      | Dumping                              |
|-------|-------------------------------|--|----------------------------|----------------------------|-------------------------|-----------------------|-------------|-------------------------------|---|------------------|--------------------------------------|-------------------------------|--------------------------------------|
| Year  | Total Quantities<br>Generated | Broken Concrete<br>(including rock for recycling into<br>aggregates) | Reused in the Contract     | Reused in Other Projects   | Disposed as Public Fill | Imported C&D Material | Metal       | Paper/ Cardboard<br>Packaging | Plastic<br>(bottles/containers, plastic sheets/<br>foams from package material) | Chemical Waste   | Others<br>(e.g. General Refuse etc.) | Type 1 - Open Sea<br>Disposal | Type 2 - Confined<br>Marine Disposal |
|       | [a+b+c+d+e+f+g+h+i)           | (a)  | (b)                        | (c)                        | (d)                     |                       | (in '000kg) | (in '000kg)                   | (in '000kg)   | (in '000kg)      | (in '000kg)                          | (in m <sup>3</sup> )          | (in m <sup>3</sup> )                 |
| 2020  | 0.0000                        | 0.0000   | 0.0000                     | 0.0000                     | 0.0000                  | 0.0000                | 0.0000      | 0.0000                        | 0.0000  | 0.0000           | 0.0000                               | 0.0000                        | 0.0000                               |
| 2021  | 858.3600                      | 0.0000   | 0.0000                     | 0.0000                     | 786.3000                | 0.0000                | 0.0000      | 0.0000                        | 0.0000  | 0.0000           | 72.0600                              | 0.0000                        | 0.0000                               |
| 2022  | 17081.7200                    | 0.0000   | 0.0000                     | 0.0000                     | 17032.3700              | 0.0000                | 0.0000      | 0.0000                        | 0.0000  | 0.0000           | 49.3500                              | 525.0000                      | 203.0000                             |
| 2023  | 49757.9100                    | 0.0000   | 0.0000                     | 0.0000                     | 49610.8700              | 0.0000                | 0.0000      | 0.0000                        | 0.0000  | 0.2000           | 146.8400                             | 835.0000                      | 1350.0000                            |
| 2024  | 2607.5900                     | 0.0000   | 0.0000                     | 0.0000                     | 2444.4500               | 0.0000                | 0.0000      | 0.0000                        | 0.0000  | 0.0000           | 163.1400                             | 0.0000                        | 0.0000                               |
| 2025  | 0.0000                        |  |                            |                            |                         |                       |             |                               |   |                  |                                      |                               |                                      |
| 2026  | 0.0000                        |  |                            |                            |                         |                       |             |                               |   |                  |                                      |                               |                                      |
| Total | 70305.5800                    | 0.0000   | 0.0000                     | 0.0000                     | 69873.9900              | 0.0000                | 0.0000      | 0.0000                        | 0.0000  | 0.2000           | 431.3900                             | 1360.0000                     | 1553.0000                            |

Remark:

Density of C&D material to be
 Density of General Refuse to be

Density of Chemical Waste to be

0.88 metric ton/m3

Notes:

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

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

(3) The summary table shall be submitted to the Project Manager monthly together with the Waste Flow Table for

review and monitoring in accordance with the PS Clause 25.20(8)

1.6

metric ton/m3

metric ton/m3

# 6. LANDSCAPE & VISUAL

- 6.1 The EIA Report has recommended landscape and visual mitigation measures to be undertaken during construction and operational phases of the upgrading of Cheung Chau STW under this Project. The implementation and maintenance of landscape mitigation measures were checked to ensure that they are fully realized and that potential conflicts between the proposed landscape measures and any other project works and without compromise to the intention of the mitigation measures.
- 6.2 Regular audits were carried out to ensure all the recommended landscape and visual mitigation measures were effectively implemented.
- 6.3 The EM&A Manual proposed mitigation measures were checked on a regular basis to ensure compliance with the intended aims of the EIA.

## **7. SITE INSPECTION AUDIT**

- 7.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections were carried out 2, 9, 16, 23, and 29 July 2024. A joint site inspection with IEC was carried out on 29 July 2024.
- 7.2 Environmental deficiencies were observed during weekly site inspections. Key observations during the site inspections and during the reporting period are summarized in **Table 7.1**.

| Date         | Environmental<br>Observations                        | Follow-up Status                               | Reminders   |
|--------------|--|--|---|
| 2 July 2024  | NIL  | N.A.   | NIL   |
| 9 July 2024  | Rubbish in the U-<br>channel should be<br>cleared up | Rubbish in the U-<br>channel was cleaned<br>up | NIL   |
| 16 July 2024 | NIL  | N.A.   | Contractor was<br>reminded to clean<br>the stagnant water<br>after the rainfall |
| 23 July 2024 | NIL  | N.A.   | NIL   |
| 29 July 2024 | NIL  | N.A.   | NIL   |

# Table 7.1 Site Observations

7.3 According to the EIA Study Report, Environmental Permit, contract documents and EM&A Manual, the mitigation measures detailed in the documents should be implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix G**.

#### **8.** Environmental Non-conformance

- **8.1.** SUMMARY OF EXCEEDANCES
- 8.1.1 No exceedance of Action and Limit Levels of air quality and construction noise was recorded in the reporting month.
- 8.2. Summary of Environmental Complaint
- 8.2.1 No environmental complaint was recorded in the reporting month.
- **8.3.** Summary of Environmental Summon and Successful Prosecution
- 8.3.1 There was no successful environmental prosecution or notification of summons received since the Project commencement.

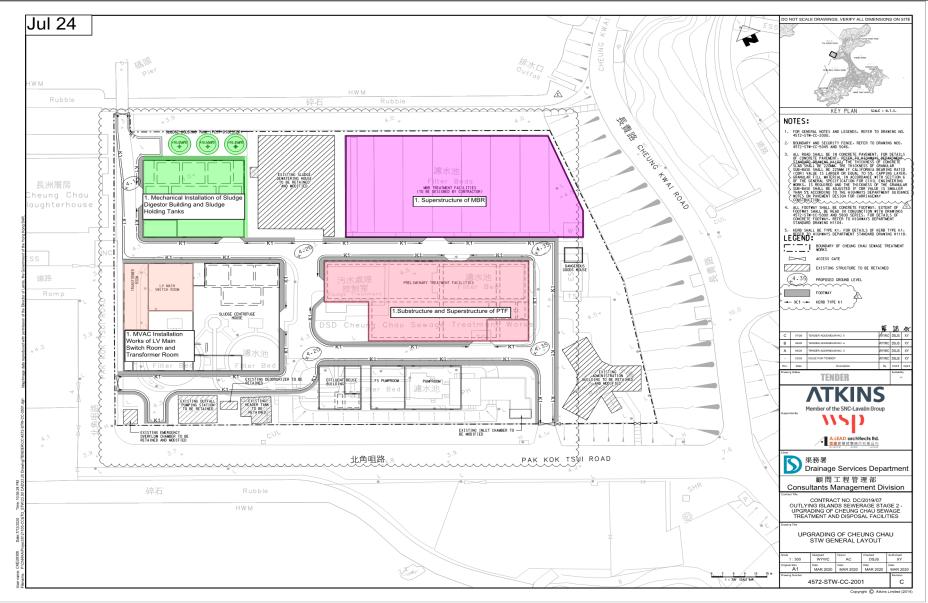
#### **9.** CONCLUSION

- 9.1 This is the 36<sup>th</sup> Monthly EM&A Report for the Project which summarizes the key findings of the programme during the reporting period from 1 July to 31 July 2024 in accordance with the EM&A Manual and the requirement under EP-488/2014/A.
- 9.2 Five (5) sessions of air and five (5) sessions of noise monitoring were carried out at the monitoring locations sited at Cheung Chau in the reporting month.
- 9.3 Site audits were conducted as mitigation measures recommended for water pollution control and landscape and visual impact monitoring in the reporting period. Proper mitigation measures were implemented.
- 9.4 Weekly environmental site inspections were conducted during the reporting period. Only minor deficiencies were observed during site inspections. The environmental performance of the project was therefore considered satisfactory.
- 9.5 A six-month baseline water quality covering both dry and wet seasons is commenced in June 2024 to establish a baseline ambient condition. Baseline water quality monitoring was carried out on 9 and 25 in July 2024.
- 9.6 No exceedance of Action or Limit Level was recorded in the reporting period.
- 9.7 No environmental complaint was received in the reporting period.
- 9.8 No notification of summons or prosecution was received during the reporting period.

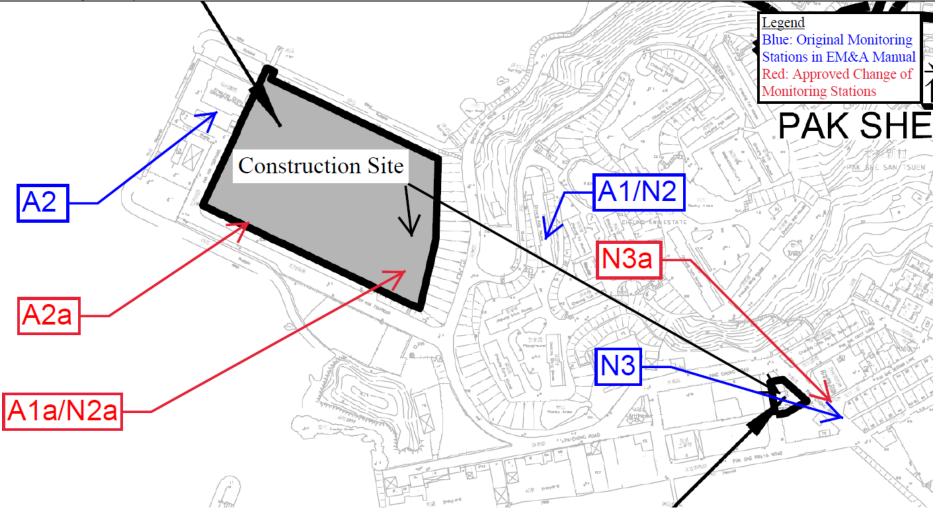
# Appendix A

# Location Plan and Noise and Dust Monitoring Stations

Contract No. DC/2019/07 Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024



Contract No. DC/2019/07 Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024



# APPENDIX B Construction Programme



| D A                     | Activity Name  | Ori. Dur (d) | TRA (d) | Time Elapsed N | Actual<br>Workdone % | Actual Start           | Actual Finish          | Early Start                | Early Finish               | Lite Start | Lite Finish | Early Start (Rev.<br>20) | Early Finish<br>(Rev. 20) | Total Ameno<br>Float Activit | ies Q1      | 2021       | 04 01 1 | 2022    | 2023<br>Q1 02 03 04 | Q1 Q2  | Q3 Q4 Q1 | 2025<br>02 03 04 0 | 2026<br>Q1 Q2 Q3 |
|-------------------------|--|--------------|---------|----------------|----------------------|------------------------|------------------------|----------------------------|----------------------------|------------|-------------|--------------------------|---------------------------|------------------------------|-------------|------------|---------|---------|---------------------|--------|----------|--------------------|------------------|
| TLYING ISLA             | NDS SEWERAGE STAGE2 - UPGRADING OF CHEUNG CHAU SEWAGE TREATME  | NT AND DI    | ISPOS   | 36.4%          |                      | 27-Nov-20              |                        | 27-Nov-20 A                | 05-Feb-27                  | 11-Jin-22  | 05-Feb-27   | 27-Nov-20                | 01-Jan-27                 | 0                            |             |            |         |         |                     |        |          |                    |                  |
| Y DATES                 |  |              |         | 100%           |                      | 27-Nov-20              |                        | 27-Nov-20 A                | 05-Fet-28                  | 05-Feb-28  | 05-Feb-28   | 27-Nov-20                | 07-Jan-26                 | 0                            |             |            | -       |         |                     |        |          |                    | 7                |
|                         | Contract Starting Date   | 0            | 0       | 100%           | 100%                 | 27-N:v-21              |                        | 27-Nov-20 A                |                            |            |             | 27-Nov-20                |                           |                              | 27-N        | ov-20 A    | ,       |         |                     |        |          |                    |                  |
|                         | Contract Completion Date   | 0            | 0       | 0%.<br>100%    | 0%                   | 63 M 63                | 20.1 01                | 07.01                      | 05-Feb-26*                 |            | 05-Feb-28   | AT 11                    | 07-Jan-26                 | ۵ <sup>۱</sup>               |             |            |         |         | { ·                 |        |          |                    |                  |
| CESS DATES<br>(D.1030 P | Portion A, B, C, D, E, Fland Works Area WA1  | 4            | a       | 100%           | 100%                 | 27-Nov-22<br>27-Nov-22 | 03-Jun-21              | 27-Nov-20 A<br>27-Nov-20 A | 03-Jun-21 A                |            |             | 27-Nov-20<br>27-Nov-20   | 03-Jun-21                 |                              | 57.0        | 20 A       |         |         |                     |        |          |                    |                  |
|                         | ramon A, B, C, J, S, F and Works Area WA1  | 0            | a a     | 100%           | 100%                 | 27-Nov-20              |                        | 27-Nov-20 A                |                            |            |             | 27-Nov-20<br>27-Nov-20   |                           |                              | 10.00       | 04-20 A    |         |         |                     |        |          |                    |                  |
|                         | Marke Area WAG   | 0            | 0       | 100%           | 107%                 | 03-Jun-21              |                        | 83-Jun-21 A                |                            |            |             | 03-Jun-21                |                           |                              | -           | 1 03-Ju    | 421 A   |         |                     |        |          |                    |                  |
|                         | LETION DATES   |              |         | 84.35%         |                      | 26-May-21              |                        | 29-May-21 A                | 05-Feb-26                  | 13-May-25  | 05-Fob-26   | 29-May/21                | 16-Ocl-25                 | 0                            |             | -          |         | ++-     |                     |        |          |                    | -                |
|                         | Parned Completion of Section 1 (Actual Commencement Bala on 27 Nov 2020)   | 0            | 0       | 100%           | 107%                 |                        | 29-May-21              |                            | 29-May-21 A                |            |             |                          | 29-May-21                 |                              |             | <b>.</b>   |         |         |                     |        |          |                    |                  |
| D.1060 P                | Parned Completion of Section 2 (Actual Commencement Date on 29 May 2021)   | 0            | 0       | 100%           | 100%                 |                        | 20-Feb-23              |                            | 20-Fab-23 A                |            |             |                          | 24-Mar-23                 | •                            |             | 1111       | nni     | 111     |                     | 1111   | - T - T  |                    |                  |
|                         | Parned Completion of Section 3 (Actual Commencement Date on 29 May 2021)   | 0            | 0       | 0%             | 0%                   |                        |                        |                            | 13-Way-251                 |            | 13-May-25   |                          | 08-Apr-25                 | a .                          |             |            |         |         |                     |        |          | •                  |                  |
|                         | Named Completion of Section 4 (Actual Commencement Date on 29 May 2021)  | 0            | 0       | 0%             | 0%                   |                        |                        |                            | 05-Feb-26*                 |            | 05-Feb-28   |                          | 16-Oct-25                 | g •                          |             |            |         |         |                     |        |          | - <b>-</b>         | <u>•</u>         |
|                         | TIONAL COMPLETION DATES  |              |         | 81.42%         |                      | 28-May-21              |                        | 29-May-21 A                | 05-Feb-26                  | 13-May-25  | 05-Feb-28   | 28-Feb-22                | 07-Jan-26                 | 0                            |             |            |         |         |                     |        |          |                    | •                |
|                         | Contract Sectional Completion Date of Section 1 (Actual Commencement Date on 27 Nov 2020)  | 0            | 0       | 100%           | 100%                 |                        | 29-May-21              |                            | 29-May-21 A                |            |             |                          | 28-Feb-22                 |                              |             |            | •       |         | 1                   |        | _        |                    |                  |
|                         | Contract Sectional Completion Date of Section 2 (Actual Commencement Date on 29 May 2021)<br>Contract Sectional Completion Date of Section 3 (Actual Commencement Date on 29 May 2021) | 0            | 0       | 100%           | 100%                 |                        | 24-Feb-23              |                            | 24-Feb-23 A<br>13-Way-25*  |            | 13-May-25   |                          | 05-Dec-22<br>08-Apr-25    |                              | _           |            |         | 1       | 1                   |        |          |                    |                  |
|                         | Contract Sectional Completion Date of Section 4 (Actual Commendement Date on 28 May 2021) Contract Sectional Completion Date of Section 4 (Actual Commendement Date on 28 May 2021)    | 0            | 0       | 0%             | 0%                   |                        |                        |                            | 05-Feb-26*                 |            | 05-Feb-28   |                          | 07-Jan-26                 | 0                            |             |            |         | 111     |                     |        |          | 11.1.              | •                |
|                         | SION, PERMIT   | v            | 9       | 71.57%         | 0.9                  | 27.51922               |                        | 27-Nos-20 &                | 30-04-20                   | 13. Jun.24 | 05-Feb-28   | 27-Nov-20                | 25-Sec-25                 | 08                           | -           |            |         |         |                     |        |          | ••••••             |                  |
|                         | Trepare/submission of Temporary Disinage and Severage Management Plan to the Supervisor, DSD/HK&land DSD/LDD   | 106          | 0       | 100%           | 100%                 | 27-New-20              | 12-Mar-21              | 27-Nov-20 A                | 12-Mar-21 A                |            |             | 27-Nov-20                | 12-Mar-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Consultation Septonal of Temporary Drainage and Severage Management Plan by the Supervisor, DSD/HK& and DSDA.DD  | 60           | 0       | 100%           | 100%                 | 13-Mar-21              | 11-May-21              | 13-Mar-21 A                | 11-May-21 A                |            |             | 13-\iar-21               | 11-Msy-21                 |                              | - 4         |            | dir -   |         |                     | 1-1-1  |          |                    |                  |
|                         | Application/approval of MDN & seeking Marine Dept's approval for loading unloading at passage area near WA2 and PSSPS  | 170          | a       | 100%           | 100%                 | 27-N:v-21              | 15-May-21              | 27-Nov-20 A                | 15-May-21 A                |            |             | 27-Nov-20                | 15-May-21                 |                              |             |            | H.L.    |         |                     | 1.11.1 |          |                    |                  |
|                         | opplication/approval of TTMS and CNP for night works by relevant authorities   | 170          | 0       | 100%           | 100%                 | 27-Nov-20              | 15-May-21              | 27-Nov-20 A                | 15-May-21 A                |            |             | 27-Nov-20                | 15-May-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
| 0.1130 A                | opplication/approval of permits or other statutory submissions by relevant authoritiestparties   | 150          | 0       | 100%           | 100%                 | 27-Nov-20              | 25-Apr-21              | 27-Nov-20 A                | 25-Apr-21 A                |            |             | 27-Nov-20                | 25-Apr-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | 3M Execution Plan  | 30           | 0       | 100%           | 100%                 | 27-Nov-20              | 26-Dec-20              | 27-Nov-20 A                | 26-Dec-20 A                |            |             | 27-Nov-20                | 26-Dec-20                 |                              |             |            | HH-     |         |                     |        |          |                    |                  |
|                         | Preparation and submission of BIM's CoEliciPased data deliverables   | 50           | 0       | 0%             | 0%                   |                        |                        | 13-Jui-25                  | 31-Aug-25                  |            | 05-Fob-28   | 08-Jun-25                | 27-Jul-25                 | 158                          |             |            | 1111    |         | 1                   |        |          |                    |                  |
|                         | Preparation and submission of fully coordinated as built BIM model   | 25           | 0       | 0%             | 0%                   |                        |                        | 12-Aug-25                  | 05-Sep-25                  |            | 05-Feb-28   | 08-Jul-25                | 0 - Aug-25                | 153                          | _           |            |         |         |                     |        |          | B                  |                  |
|                         | Preparation and submission of proposal of COBie/Asset information requirements<br>Preparation and submission of Draft Safety Plan  | 200          | 0       | 0%<br>100%     | 0%<br>100%           | 27-Nov-20              | 10-Dec-20              | 14-Ap-25<br>27-Nov-20 A    | 30-Oct-25<br>10-Dec-20 A   | 21-Jul-25  | 05-Feb-26   | 10-Mar-25<br>27-Nov-20   | 25-Sep-25<br>10-Dep-20    | 88                           |             |            |         |         | N I                 |        |          |                    |                  |
|                         | reparation and submission of Liter Satety Han<br>Ditain comments on Draft Satety Plan  | 14           | 0       | 100%           | 100%                 | 27-NOV-23<br>11-Dto-20 | 10-Dec-20<br>24-Dec-20 | 11-Dep-20.8                | 10-Dec-20 A<br>24-Dec-20 A |            |             | 27-909-20<br>11-Dec-20   | 104Dec-20<br>24-Dec-20    |                              | <b>-</b>    |            |         |         |                     |        |          |                    |                  |
|                         | Procession and Submission of Safety Plan   | 7            | - 0     | 100%           | 100%                 | 25-Dac-20              | 31-Dec-20              | 25-Dec-20 A                | 31-Dec-20 A                |            |             | 25-Dec-20                | 31-Dec-20                 |                              | - <b>-</b>  |            | HHH     |         | -                   |        |          |                    |                  |
|                         | Preparation and Submission of Tree Survey Report   | 111          | 0       | 100%           | 107%                 | 27-Nov-20              | 17-Ma-21               | 27-Nov-20 A                | 17-Mar-21 A                |            |             | 27-Nov-20                | 17-Mar-21                 |                              | 1.1         |            |         |         |                     |        |          |                    |                  |
|                         | International Discharge License by Client  | 1            | 0       | D%             | 0%                   |                        |                        | 03-Jun-24                  | 03-Jur-24                  | 03-Jun-24  | 03-Jun-24   | 19-Feb-24                | 19-Feb-24                 | 0                            |             |            |         | 1       | 1                   |        |          |                    |                  |
| TION 1                  |  |              |         | 100%           |                      | 27-Nov-20              | 18-Nov-21              | 27-Nov-20 A                | 18-Nov-21 A                |            |             | 27-Nov-20                | 18-Nov-21                 |                              |             | 11         |         | - 1 U V |                     |        |          |                    |                  |
| CHNICAL PRO             | DPOSAL for ECI Stage 2   |              |         | 100%           |                      | 27-Nov-20              | 18-Nov-21              | 27-Nov-20 A                | 18-Nov-21 A                |            |             | 27-Nov-20                | 18-Nov-21                 |                              |             |            |         |         | \$                  |        |          |                    |                  |
|                         | al for Preliminary Treatment System at CCSTW   |              |         | 100%           |                      | 03-Jun-21              | 18-Nov-21              | 03-Jun-21 A                | 18-Nov-21 A                |            |             | 03-Jun-21                | 18-Nov-21                 |                              |             |            | ſ       |         | N I                 |        |          |                    |                  |
|                         | Preparation and approval of content page   | 10           | 0       | 100%           | 100%                 | 03-Jun-21              | 12-Jun-21              | 03-Jun-21 A                | 12-Jun-21 A                |            |             | 03-Jun-21                | 12-Jun-21                 |                              |             | <b>H</b> . |         |         |                     |        |          |                    |                  |
|                         | Preparation of design report including design intention and list of design parameters / assumptions  | 25           | 0       | 100%           | 100%                 | 13-Jun-21              | 07-Jul-21              | 13-Jun-21 A                | 07-Jul-21 A                |            |             | 13-Jun-21                | 07-Jul-21                 |                              |             | 7          |         |         |                     |        |          |                    |                  |
|                         | Proparation of process calculation and equipment sizing<br>Presaration of beneral layout and equipment location plan   | 25<br>20     | 0       | 100%           | 100%                 | 08-Jul-21<br>02-Aug-21 | 01-Aug-21<br>21-Aug-21 | 08-Jul-21 A<br>02-Auc-21 A | 01-Aug-21 A<br>21-Aug-21 A |            |             | 08-Jul-21<br>02-Aug-21   | 01-Aug-21<br>21-Aug-21    |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | reparation or general asyour and equipment location pain<br>Preparation of control philosophy  | 2            | 0       | 100%           | 100%                 | 22-AUg-21              | 30-Aug-21              | 22-Aug-21 A                | 21-ALG-21 A<br>30-ALG-21 A |            |             | 22-Aug-21                | 2"-700g-21<br>30-700g-21  |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Preparation of remaining content of technical prosposal  | 19           | 0       | 100%           | 100%                 | 31-Aug-21              | 18-Sep-21              | 31-Aug-21 A                | 18-Sep-21.4                |            |             | 31-Aug-21                | 18-Sep-21                 |                              |             |            |         | 188     |                     |        |          |                    |                  |
|                         | Dat Sutmission   | 0            | 0       | 100%           | 100%                 |                        | 18-Sep-21              | 0.100.111                  | 18-Sep-21 A                |            |             |                          | 18-Sep-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Draft Submission Comment and Approva   | 27           | 0       | 100%           | 100%                 | 19-Sep-21              | 15-Oct-21              | 19-Sep-21 A                | 15-0ct-21 A                |            |             | 19-Sep-21                | 15-Oct-21                 |                              |             | 4          |         |         |                     |        |          |                    |                  |
|                         | Final Submission   | 34           | 0       | 100%           | 100%                 | 18-Oct-21              | 18-Nov-21              | 16-Oct-21 A                | 18-Nov-21 A                |            |             | 18-Ocl-21                | 18-Nov-21                 |                              |             | 114        | e i i   |         |                     |        |          |                    |                  |
| nnical Proposa          | al for MBR System and MBR Building at CCSTW  |              |         | 100%           |                      | 27-Nov-20              | 25-May-21              | 27-Nov-20 A                | 25-May-21 A                |            |             | 27-Nov-20                | 25-May-21                 |                              |             |            | n in t  |         |                     |        |          |                    |                  |
| Submission              |  |              |         | 100%           |                      | 27-Nov-20              | 25 May-21              | 27-Nov-20 A                | 25-May-21 A                |            |             | 27-Nov-20                | 25-May-21                 |                              |             | TU         |         |         |                     |        |          |                    |                  |
|                         | Presatation and approval of content page   | 10           | 0       | 100%           | 100%                 | 27-Nov-20              | 06 Dec-20              | 27-Nov-20 A                | 06-Dec-20 A                |            |             | 27-Nov-20                | 06 Dec-20                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Preparation of design report including design internion and list of design parameters Lassumptions   | 25           | 0       | 100%           | 100%                 | 07-Dec-20              | 31-Dec-20              | 07-Dec-20 A                | 31-Dec-20 A                |            |             | 07-Dec-20                | 31-Dec-20                 |                              | <b>I</b> .: |            |         |         |                     |        |          |                    |                  |
|                         | Preparation of process calculation and equipment sizing<br>Preparation of general layout and equipment location plan   | 25           | 0       | 100%           | 100%                 | 01-Jan-21<br>26-Jan-21 | 25-Jan-21<br>14-Feb-21 | 01-Jan-21 A<br>26-Jan-21 A | 25-Jan-21 A<br>14-Feb-21 A |            |             | 01-Jan-21<br>25-Jan-21   | 25-Jan-21<br>14-Eeb-21    |                              |             |            | HH-     |         |                     |        |          |                    |                  |
|                         | reparation of control philosophy   | 9            | 0       | 100%           | 100%                 | 15-Feb-21              | 23-Feb-21              | 15-Feb-21 A                | 23-Feb-21 A                |            |             | 15-Feb-21                | 23-Feb-21                 |                              | - L         |            | 1111    |         |                     |        |          |                    |                  |
|                         | Procession of semaining content of technical prosposal   | 19           | 0       | 100%           | 100%                 | 67-Mar-21              | 25-Ma-21               | 07-Mar-21 A                | 25-Mar-21 A                |            |             | 07-Mar-21                | 25-Mar-21                 |                              | - L         |            |         |         |                     |        |          |                    |                  |
|                         | Sut Submission   | 0            | 0       | 100%           | 100%                 |                        | 26-Mar-21              |                            | 25-Mar-21 A                |            |             |                          | 25-Mar-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Dia 1 Submission Common Land Approva   | 27           | 0       | 100%           | 100%                 | 28-Mar-21              | 21-Apr-21              | 28-Mar-21 A                | 21-Apr-21 A                |            |             | 26-Mar-21                | 21-Apr-21                 |                              | - 19        |            |         |         |                     |        |          |                    |                  |
| .\$1.1190 F             | inal Submission  | 34           | 0       | 100%           | 100%                 | 22-Apr-21              | 25 May-21              | 22-Apr-21 A                | 25 May 21 A                |            |             | 22-Apr-21                | 25 May-21                 |                              |             |            | 1111    |         |                     |        |          |                    |                  |
|                         | Submission   |              |         | 100%           |                      | 23-Dto-20              | 29-Apr-21              | 23-Dec-20 A                | 29-Apr-21 A                |            |             | 23-Dec-20                | 29-Apr-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Preparation of Design Report   | 54           | 0       | 100%           | 100%                 | 23-Dto-20              | 14-Feb-21              | 23-Dec-20 A                | 14-Feb-21 A                |            |             | 23-Dec-20                | 14-Feb-21                 |                              |             | 1111       |         |         |                     |        |          |                    |                  |
|                         | Instantion of B.M. Modeling  | 13           | a       | 100%           | 100%                 | 15-Feb-21              | 27-Feb-21              | 15-Feb-21 A                | 27-Feb-21 A                |            |             | 15-Feb-21                | 27-Feb-21                 |                              |             |            | 1111    |         |                     | 111    |          |                    |                  |
|                         | Submission of Draft Technical Proposal   | 0            | 0       | 100%           | 100%                 | 28-Feb-21              | 28-Feb-21              | 28-Feb-21 A                | 26-Feb-21 A                |            |             | 28-Feb-21                | 28-Feb-21                 |                              | lit.        | 4444       | нн.     |         |                     | ++++   |          |                    |                  |
|                         | Ret Submission Comment and Approve<br>Fnal Submission (With ICE Certificate)   | 27           | 0       | 100%           | 100%                 | 28-Feb-21<br>27-Mar-21 | 26-Mar-21<br>29-Apr-21 | 28-Feb-21 A<br>27-Mar-21 A | 26-Mar-21 A<br>29-Apr-21 A |            |             | 28-Feb-21<br>27-Mar-21   | 25-Mar-21<br>29-Apr-21    |                              | — T         |            |         |         |                     |        |          |                    |                  |
|                         | nal Submission (With ICE Carlifeate)<br>al for Sludge Treatment System at CCSTW  | J.           | 0       | 100%           | 100%                 | 27-Mar-21<br>27-Nov-20 | 29-Apr-21<br>25-May-21 | 27-Mar-21 A<br>27-Nov-20 A | 25-May-21 A                |            |             | 27-Mar-21<br>27-Nov-20   | 25-Apr-21<br>25-Max-21    |                              | _µ£         |            | 1111    |         |                     |        |          |                    |                  |
|                         | Presantion and approval of content page  | 19           | 0       | 100%           | 100%                 | 27-Nov-20              | 05-Dec-20              | 27-Nov-20 A                | 25-May 21 A<br>06-Dec-20 A |            |             | 27-Nov-20                | 06-Dec-20                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Preparation of cestign report inclucing cestign intention and list of cestign parameters / assumptions   | 25           | 0       | 100%           | 100%                 | 07-Dec-20              | 31-Dec-20              | 07-Dec-20 A                | 31-Dec-20 A                |            |             | 07-Dec-20                | 31-Dec-20                 |                              |             |            |         | 186     |                     |        |          |                    |                  |
|                         | Treparation of process calculation and equipment sizing  | 25           | 0       | 100%           | 100%                 | 01-Jan-21              | 25-Jan-21              | 01-Jan-21 A                | 25-Jan-21 A                |            |             | 01-Jan-21                | 25-Jan-21                 |                              |             |            | ditt'   |         |                     |        |          |                    |                  |
|                         | Preparation of general layout and equipment location plan  | 20           | 0       | 100%           | 100%                 | 28-Jan-21              | 14-Feb-21              | 26-Jan-21 A                | 14-Feb-21 A                |            |             | 28-Jan-21                | 14-Feb-21                 |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | Preparation of control philosophy  | 9            | 0       | 100%           | 100%                 | 15-Feb-21              | 23-Feb-21              | 15-Feb-21 A                | 23-Feb-21 A                |            |             | 15-Feb-21                | 23-Feb-21                 |                              | 4           |            |         |         |                     |        |          |                    |                  |
| 51.1250 P               | Preparation of remaining contant of technical prosposal  | 19           | 0       | 100%           | 100%                 | 07-Mar-21              | 25-Mar-21              | 07-Mar-21 A                | 25-Mer-21 A                |            |             | 07-Mar-21                | 25-Mar-21                 |                              | 1           |            |         |         |                     |        |          |                    |                  |
|                         | D !  |              |         |                |                      |                        |                        |                            |                            |            |             |                          |                           |                              | DIAC -      |            |         |         | Date                | F      | Revision | Chec               | Appr             |
|                         | ary Baseline   | DC/201       | 9/07 OU | ITLYING        | ISLANDS              |                        |                        |                            |                            |            |             |                          |                           | MENT AND                     | DISPO       | JSAL F     | ACILITI | ⊨S      | 30-Nov-22           | Rev. 2 |          | 1                  | CL               |
| Actua                   | al Work  |              |         |                |                      |                        | REVISE                 | D PROGR                    | AMME -                     | REV. 2     | 2 (28 Fe    | bruary 2                 | 2023)                     |                              |             |            |         |         | 31-Dec-22           | Rev. 2 |          |                    | CL               |
|                         |  |              |         |                |                      |                        |                        |                            |                            |            |             |                          | 1                         |                              |             |            |         |         |                     |        |          | JL                 |                  |
| Rema                    | aining Work  |              |         |                |                      |                        |                        |                            |                            |            |             |                          |                           |                              |             |            |         |         |                     |        |          |                    |                  |
|                         | aining Work al Remaining Work  |              |         |                |                      |                        |                        |                            | (Fage                      | 1 of 13)   |             |                          |                           |                              |             |            |         |         | 28-Feb-23           | Rev. 2 | 22       | JL                 | CL               |

Contract No. DC/2019/07 Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024



|   | D               | Activity Name   | Orl. Dur (d) | TRA (d) | Time Elapsed N | Actual     | Actual Start | Actual Finish | Early Start  | Early Finish | Late Start Late | Finish Early Start (Rev | Early Finish Total Amended | _          | 1021 2022     | 2023          | 2024                                  | 2025           | 2020   | 8 7     |
|---|-----------------|---|--------------|---------|----------------|------------|--------------|---------------|--------------|--------------|-----------------|-------------------------|----------------------------|------------|---------------|---------------|---------------------------------------|----------------|--|---------|
|   | DC 01 4070      |   |              |         | 100%           | Norkdone 5 |              |               |              |              |                 | 20)                     | (Rev. 20) Float Activities | 01 0       | 03 04 01 02 0 | 3 04 01 02 03 | Q4 Q1 Q2 Q3                           | 04 01 02 03    | Q4 Q1 Q2 (   | Q3 Q4 / |
|   |                 |   | 27           |         |                |            | 28.35ar.21   |               | 26.84m.21.5  |              |                 | 28-May 21               |                            | 18         |               |               |                                       |                |  |         |
|   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 00000       Product as provinging       0<  | echnical Prope  |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       | 1.1            |  |         |
| BUDD       Number loging starting s                  |                 |   | 10           | 0       | 100%           | 100%       | 27-Nov-20    | 06-Dec-20     | 27-Nov-20 A  | 08-Dec-20 A  |                 | 27-Nov-20               | 05-Dec-20                  |            |               |               |                                       |                |  |         |
| 8000       Reserver       8000  | DC.S1.1320      | Preparation of design report including design intention and list of design parameters / assumptions                 | 25           | 0       | 100%           | 100%       | 07-Dac-20    | 31-Dec-20     | 07-Dec-20 A  | 31-Dec-20 A  |                 | 07-Dec-20               | 31-Dec-20                  |            |               |               |                                       |                |  |         |
|   |                 | Preparation of process calculation and equipment sizing   | 25           | 0       |                |            | 01-Jan-21    |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 2000       Model average part of part                   |                 |   |              | 0       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| Description       Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>   |                 |   |              | 0       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| Beta  |                 |   |              |         |                |            | 07-Mar-21    |               | 07-Mar-21 A  |              |                 | 07-Mar-21               |                            | 비법         |               | d i i         |                                       |                |  |         |
| EUE 00       Production   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            | 1          |               |               | a a a a a a a a a a a a a a a a a a a | أسلسها سسا     | واستبأست ساو   |         |
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|   |                 |   | 34           | U       |                | 100%       |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
|   |                 |   | 87           | 0       |                | 100%       | To berriet   |               |              |              |                 |                         |                            |            |               | 0             |                                       |                |  |         |
| 62:000       measure signed of construct registing of 00 measure registing of 00 measu                  |                 |   |              | 0       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
|   |                 |   |              | 0       |                |            |              |               |              |              |                 |                         |                            |            |               | 9-1           |                                       |                |  |         |
| Bit Name       Bit Name <th< td=""><td></td><td></td><td>67</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>EV MONE I</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>  |                 |   | 67           |         |                |            |              |               |              |              |                 |                         | EV MONE I                  |            |               |               |                                       |                |  |         |
| 001100       0011000000000000000000000000000000000  |                 |   | 0            | 0       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| Circle         Disk         Disk <thdisk< th="">         Disk         Disk         <t< td=""><td>DC.S1.1430</td><td>Diat Submission Comment and Approva</td><td>27</td><td>0</td><td></td><td></td><td>24-Mar-21</td><td>19-Apr-21</td><td>24-Mar-21 A</td><td></td><td></td><td>24-\tar-21</td><td>19-Apr-21</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<></thdisk<>  | DC.S1.1430      | Diat Submission Comment and Approva   | 27           | 0       |                |            | 24-Mar-21    | 19-Apr-21     | 24-Mar-21 A  |              |                 | 24-\tar-21              | 19-Apr-21                  |            |               |               |                                       |                |  |         |
| CENIE         U. Big 1         U. Big 1 <t< td=""><td>DC.S1.1440</td><td></td><td>34</td><td>0</td><td>100%</td><td>100%</td><td>20-Apr-21</td><td>23 May 21</td><td>20-Apr-21 A</td><td>23-May-21 A</td><td></td><td>20-Apr-21</td><td>23-May-21</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>   | DC.S1.1440      |   | 34           | 0       | 100%           | 100%       | 20-Apr-21    | 23 May 21     | 20-Apr-21 A  | 23-May-21 A  |                 | 20-Apr-21               | 23-May-21                  |            |               |               |                                       |                |  |         |
| EU1100       U. Bug 1- foldening-subservice starter and RU       1       0       10  | echnical Prope  | sal for Accommodation for the Project Manager's Supervisor's & Contractor's Co-Office                               |              |         | 100%           |            | 27-Nov-20    | 25 Mar-21     | 27-Nov-20 A  | 25-Mar-21 A  |                 | 27-Nov-20               | 25-Mar-21                  | <b>***</b> |               | 0-1           |                                       |                |  |         |
| Instrument for With society of particulation of the Control of the Contro | DC.S1.1480      | EC: Stage 1 - Technical proposal for accommodation for the Project Managers, Supervision's & Contractor's co-office | 119          | 0       | 100%           | 100%       | 27-Nov-20    | 25 Mar-21     | 27-Nov-20 A  | 25-Mar-21 A  |                 | 27-Nov-20               | 25-Mar-21                  |            |               |               |                                       |                |  |         |
| CE:100       Mondam capacity interactive (registrand)       40       0       No.       No   | fechnical Prope |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| Extend       Number or approximate field RM       N   | DC.S1.1480      | Preparation and approval of content page  |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 2010       mountary strategy contractions many       i  | DC.S1.1430      | Preparation of cestign memorandum for Civil DtMA  |              | 0       | 100%           | 100%       | 13-Mar-21    | 11-Apr-21     | 13-Mar-21 A  | 11-Apr-21 A  |                 | 13-Mar-21               | 11-Apr-21                  |            |               |               |                                       |                |  |         |
| CE 100 or       Not Numer       0       0       Not Numer       Not Nu  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                | ,  |         |
| Display   |                 |   |              |         |                |            | 12-Apr-21    |               | 12-Apr-21 A  |              |                 | 12-Apr-21               |                            |            |               |               |                                       |                |  |         |
| Control       No  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| BIT REFERENCE       100   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 000000000000000000000000000000000000  |                 |   | 35           | 0       | 100%           | 100%       | 25-May-21    | 29-Jun-21     | 25 May-21 A  | 29-Jun-21 A  |                 | 25-May-21               | 29-Jun-21                  |            |               | 1             |                                       |                |  |         |
| 301.100       Structure due to Color       4       6       100       1  |                 |   |              |         | 100%           |            | 27-Nov-20    | 15 May-21     | 27-Nov-20 A  | 15-May-21 A  |                 | 27-Nov-20               | 15-May-21                  |            |               | 8             |                                       |                |  |         |
| 20100       Beckurster under stander under genetic depart of depar                  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 0.01010       0.01010       0.0101       0.01010000       0.010100       0.010100 <td></td>   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 50.1100       Guad metaphoneshan sing and shared marked and shared marked       81       4       100       00       00.00       00.00       00.000 <td< td=""><td></td><td></td><td></td><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>  |                 |   |              | 6       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 05.10.6       Neutron runs introvements upon       19       4       000       Nov. 000  |                 |   |              | 2       |                |            |              |               |              |              |                 |                         |                            |            | 14444         | 8-6           |                                       |                |  |         |
| 00.11100       Nutlet samples       60       6       6       6       6       6       6       6       60       70000       7000<  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 0.511.010       Code:UblineSize code:ublineSize difference*0000       2       0.00       000       100  |                 |   |              | a (     |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 0.50 1107       (a) 007       (b) 007   |                 |   |              | 2       |                |            |              |               |              |              |                 |                         |                            | L I I      |               |               |                                       |                |  |         |
| New Second Structure         UN         Structure          Structur   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            | Ê.,        |               |               |                                       |                |  |         |
| CUT:NO       Out-and: constructions       Out-and: construc  | Raw Sewerage    |   |              |         | 100%           |            | 27-Nov-20    |               |              |              |                 | 27-Nov-20               |                            | + 1        |               |               |                                       |                |  |         |
| DC:1000       Appendix fiber (monormatice via)       5       0       1005  | DC.S1.1610a     |   | 13           | 1       | 100%           | 100%       | 27-Nov-20    | 10-Dec-20     | 27-Nov-20 A  | 10-Dec-20 A  |                 | 27-Nov-20               | 10-Dec-20                  |            |               |               |                                       |                |  |         |
| 0.5.1160       Nametar with two Based samity       7       0       000       1000       2000000       2000000       2000000       2000000       2000000       2000000       2000000       20000000       200000000000000       2000000000000000000000000000000000000  | DC.S1.1610b     |   | 5            | 0       | 100%           | 100%       |              |               | 11-Dec-20 A  | 15-Dec-20 A  |                 |                         | 15-Dec-20                  |            |               |               |                                       |                |  |         |
| DC:11:00       Oxte:Thie General and Surging       14       0       1000   | DC.S1.1610c     | Approval of Report of Initial Reconnaissance Visit  | 7            | 0       |                | 100%       | 18-Dec-20    | 22-Dec-20     | 16-Dec-20 A  | 22-Dec-20 A  |                 | 16-Dec-20               | 22-Dec-20                  |            |               |               |                                       |                |  |         |
| Dist 1000       Advanced Aground Balance Staves Planet       2       0       1001       1005       1004-10       044-021 <th< td=""><td></td><td>Preparation sork for Raw Sevage Sampling</td><td>7</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td>29-Dec-20 A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>   |                 | Preparation sork for Raw Sevage Sampling  | 7            | 0       |                |            |              |               |              | 29-Dec-20 A  |                 |                         |                            |            |               |               |                                       |                |  |         |
| 0.21 10/0       Commended spectra of Share Regist       2       0       10/0       10/0       0/0 </td <td>DC.S1.1610e</td> <td>Conduct Ray Sevage Sampling</td> <td>14</td> <td>0</td> <td></td> <td>100%</td> <td>30-Deo-21</td> <td>12-Jan-21</td> <td>30-Dec-20 A</td> <td>12-Jan-21 A</td> <td></td> <td>30-Dec-20</td> <td>12-Jan-21</td> <td></td> <td></td> <td>9 B B B</td> <td></td> <td></td> <td></td> <td></td>  | DC.S1.1610e     | Conduct Ray Sevage Sampling   | 14           | 0       |                | 100%       | 30-Deo-21    | 12-Jan-21     | 30-Dec-20 A  | 12-Jan-21 A  |                 | 30-Dec-20               | 12-Jan-21                  |            |               | 9 B B B       |                                       |                |  |         |
| 0.C. 31 (10)       Moreau of a Super Bargura       2       0       10%       0.0%       0.6%-27 <td></td> <td></td> <td>-</td> <td></td>  |                 |   | -            |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| Struct         Struct         Utors         224/89-20         234/89-10         234/89-10         234/89-10         234/89-20      <  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            | F II       |               |               |                                       |                |  |         |
| DCS 15000       Orga vs 28 intersignation of sumificance materials since/ Report       42       3       1005       1005       1007       27 Merol XA       10 Mer   |                 |   | 2            | 0       |                | 107%       |              |               |              |              |                 |                         |                            | 111        |               |               |                                       |                |  |         |
| Come         Ext         Status   |                 | e Monitoring System   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               | N             |                                       |                |  |         |
| Dig 11 190       Comparison distant : 100:140 (2000)       Dig 100%       Dig 100% <thdig 10%<="" th=""> <thdig 10%<="" th=""> <thdig 10%<="" th=""> <thd< td=""><td></td><td>Carry out she investigation and submit Kebon has since survery kepon</td><td>42</td><td>3</td><td></td><td>100%</td><td>27-N9V-20</td><td>10-Jan-21</td><td>27-N09-20 A</td><td>10-Jan-21 A</td><td></td><td>27-909-20</td><td>10-J80-21</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thd<></thdig></thdig></thdig>   |                 | Carry out she investigation and submit Kebon has since survery kepon  | 42           | 3       |                | 100%       | 27-N9V-20    | 10-Jan-21     | 27-N09-20 A  | 10-Jan-21 A  |                 | 27-909-20               | 10-J80-21                  |            |               |               |                                       |                |  |         |
| Description         Status         124/00/20         Status         114/00/20         12  |                 | OF SECTION 1  |              |         |                | 1.0.00     | 28-MBY-21    | 294489-21     | 299May-2175  | 23-May-21 M  |                 | 28-669-21               | 294MBY-21                  |            |               |               |                                       |                |  |         |
| PRODUREMENT, FLARING AND ON DELLARERY ON MALOR E AM EQUIPMENT         BROW   |                 |   | 0            | ð       | 100%           | 100%       | 22 Alex 02   | 294Mity-21    | 07.11m-00.3  | 29-May-21 A  | 20 Ext. 02 04 1 | 02 11                   |                            |            |               |               |                                       |                |  |         |
| Operation         Description         Description <thdescription< th=""> <thdescription< th="">         &lt;</thdescription<></thdescription<>  |                 |   |              |         | 90.20%         |            | 27-9039-25   |               | 21-1400-2014 | 91-081-29    | 26-PED-23 31-   | 831-23 27-309-20        | 24-640-225 0               |            |               |               |                                       |                |  |         |
| Dig 2: 10%       Eig primit Minister and Appoint (Diver shower)       141       0       100       100       100       100       100       100       100       100       100       100       100       24-App21       24-App21       24-App21       24-App21       24-App21       24-App21       24-App11       24-App21       24-App11       24-App12       24-App11       24-App12       24-App11       24-App111       24-App111   | ROGOREMEN       |   |              |         | 80.00%         |            | 10-1411-21   |               | 199001-21 A  | 15-88-23     | 28-H00-23 13-1  | Bal-23 27-409-20        | 26/01/1/20 0               |            |               | 8             |                                       | المراب المرابع | e a secondar de la composición de la c |         |
| D02 3706       Exp prof. Mitrasie and Appaul (2004)       100       1   |                 |   |              | -       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| D03 3100       Expendentions and Approvid/Proteoms       199       0       100<   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               | 1             |                                       |                |  |         |
| D03 2009       Eig prest datasses ext Agnon(2001)       111       0       1009       1009       100-27       110-27  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| Dispersibility       Big press/barries       Pri of<br>(1)       0       00%       10%  |                 |   |              |         |                |            |              |               |              | 001000 00071 |                 |                         | 0 1001 2.1                 |            |               |               |                                       |                |  |         |
| D03 31090       Eq. prest Samskar and Approxid (PPS Over 25 care Party)       172       0       100%       100%       100%       100%       100%       100%       24 May 22       25 May 22       27 May 23       17 May 24       1       1       0       1       0       100%       100%       100%       100%       24 May 22       26 May 22       27 May 23       27 May 24       1       1       0       1       0       1       0       100%       100%       100%       24 May 22       26 May 23       27 May 24       27 May 24       1       1       0       0       <  |                 |   | 91           |         |                |            |              |               |              |              |                 |                         |                            |            |               | <b>T</b>      |                                       |                |  |         |
| 00:31:05:00       Expres:154m/sec ar. Approx[1970; Cover 3/step:24       100:0       100:0       100:0       100:0       100:0       100:0       254-522       466-Jun 22       100:0       100:0       100:0       100:0       100:0       100:0       254-522       466-Jun 22       100:0       256-522       466-Jun 22       100:0       100:0       100:0       100:0       254-522       466-Jun 22       466-Jun  |                 |   | 172          |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| DC 33 1036       Ep pret/Samuel and Approxi/L V38/p       B2       0       103%       103%       103%       103%       103%       103%       23 Jan 22       1 Jan 22       3 Jan 22 A       1 Jan 22 A <th1 22="" a<="" jan="" th=""> <th1 22="" a<="" jan="" th=""></th1></th1>  |                 |   |              | 0       |                |            |              |               |              |              |                 |                         |                            | 144        |               |               |                                       |                |  |         |
| D02321000       Processmer(1000/re-200m04)       0       1001/re       1001/re <th< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>   |                 |   |              | -       |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| D03210100101       Procurrence(20090Purpts)       7       0       100%       100%       100%       100%       1245wp21       245wp21  |                 |   | 6            |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| 00.33.2100/00       Procement (Perstock)       1       0       100%       10.39.20       41.446.20       17.446.27       17.446.21       19.446.21       <  |                 |   | 7            | 0       |                |            |              |               |              |              |                 |                         |                            |            | H             | 0             |                                       |                |  |         |
| DC 32:101030       2       0       109%       109%       23480+22       2448+22       2448+22       10101       10111       1   | 00.82.1010320   |   | 1            | 0       | 100%           | 100%       | 03-Jan-22    |               |              |              |                 | 17-Mar-21               | 18-Mar-21                  |            |               | 8             |                                       |                |  |         |
| Printing baseline     Duckting in Control       Actual Work     Revised PROGRAMME - REV. 22 (28 February 2023)       Remaining Work     (Page 2 of 13)       Critical Remaining Work     28-Feb-23  | DC S2.1010#30   | Procurement (DOU)   | 2            | 0       |                |            | 20-Mar-22    | 21-Ma-22      | 20-Mar-22 A  | 21-Mar-22 A  |                 |                         |                            |            | •             |               |                                       |                |  |         |
| Printing baseline     Duckting in Control       Actual Work     Revised PROGRAMME - REV. 22 (28 February 2023)       Remaining Work     (Page 2 of 13)       Critical Remaining Work     28-Feb-23  |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            | 31.0.00    |               |               |                                       | 1.1            |  |         |
| Princip Baseline     DC/2019/07 OUTLING ISLANDS SEWERAGE'S FAGE2' UPGRADING OF CHEUNG CHAD SEWAGE TREATMENT AND DISPOSAL FACILITIES       Actual Work     Remaining Work       Critical Remaining Work     (Page 2 of 13)   | Data            | panr Baseline   | DC/2044      | 0/07 01 |                |            | 2 SEWER      | ACENTA        | GE2. UDC     |              |                 |                         | GE TREATMENT AND           |            |               | Date          | e Rev                                 | ision Ch       | nec App  | provec  |
| Actual Work         ReviseD PROGRAMME - REV. 22 (28 February 2023)         31-Dec-22         Rev. 21           Remaining Work         (Page 2 of 13)         28-Feb-23         Rev. 22         Rev. 22  |                 |   | DC/2019      | 9/07 OU | TING           | SLANDS     |              |               |              |              |                 |                         |                            | 13705      | AL FAGILITIES |               |                                       | JL             | CL   |         |
| Remaining Work     (Page 2 of 13)     31-0ec/22     Ref 21       Critical Remaining Work     28-Feb-23     Refx 22     Refx 22  | Act             | Jal Work  |              |         |                |            |              | REVISE        | D PROGR      | AMME - I     | REV. 22 (2      | 28 February             | 2023)                      |            |               |               |                                       |                | CL   |         |
| Critical Remaining Work   | Rer             | naining Work  |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       | JL             |  |         |
|   |                 |   |              |         |                |            |              |               |              | ( . 5*       | • ,             |                         |                            |            |               | 28-Feb-2      | (3) Rev. 22                           | JL             | CL   |         |
|   |                 |   |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |
| ♦ Baseline Milestone  |                 | eine Milestone  |              |         |                |            |              |               |              |              |                 |                         |                            |            |               |               |                                       |                |  |         |

Contract No. DC/2019/07 Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024



| effrexts         Eary Frext         Eary Frext         Geny Frext         Frest         Avended         2021         2020         2021         2024         2024           100-70         301/10-72 Å         501/20-72 Å         5  | 01 02 03 04 01 0   |
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| VISED PROGRAMME - REV. 22 (28 February 2023) 31-Dec-22 Rev. 21<br>(Page 2 of 12)   | JL   |



| ity ID                     | Activity Name  | Ori. Dur (d) | TRA (d) | Time Elapsed % | Actual<br>Workdone % | Actual Start           | Actual Finish          | Early Start                | Early Finish               | Late Start             | Late Finish            | Early Start (Rev.<br>20) | Early Finish                           | Total .<br>Float | Amended<br>Activities | 202                             | 1       | 2022          |            | 2023       | 2024     |          | 2025                                  | 2026       |
|----------------------------|--|--------------|---------|----------------|----------------------|------------------------|------------------------|----------------------------|----------------------------|------------------------|------------------------|--------------------------|--|------------------|-----------------------|---------------------------------|---------|---------------|------------|------------|----------|----------|---------------------------------------|------------|
| DC 82.1152                 | Installation of NCPs and related cable termination   |              | 0       | 100%           | Workdone %<br>100%   | 06-Sec-22              | 30-Sep-22              | 06-Sep-22.A                | 30-Sto-22 A                |                        |                        | 20)<br>06-Sep-22         | Early Finish<br>(Rev. 20)<br>30-Sep-22 | Float            | Activities            | Q1 02                           | 03 04 0 | 1 02 03       | 04 01 0    | 2 03 04    | Q1 Q2 Q3 | 1 04 01  | 02 03 04                              | Q1 Q2 Q3 Q |
| DC 52.1155                 | Installation of Works and Telated capter eminination   | 2 14         | 0       | 100%           | 100%                 | 04-Jan-23              | 17-Jan-23              | 64-Jan-23 A                | 17-Jan-23 A                |                        |                        | 04-Jan-23                | 17-Jan-23                              |                  |                       |                                 |         |               |            | 21-22      |          |          |                                       |            |
| DC 52.1160505              | Submission of Dealt CBM manual   | 103          | 0       | 100%           | 100%                 | 31-Jul-22              | 11-Nov-22              | 31-Jul-22 A                | 11-Nov-22 A                |                        |                        | 31-Jul-22                | 07-Dec-22                              |                  |                       |                                 |         | H- 4 <b>-</b> |            |            |          |          |                                       |            |
| DC 32.1160633              | Submission of Final OSM manual   | 65           | 0       | 100%           | 100%                 | 30-Nov-22              | 22-Feb-23              | 30-Nov-22 A                | 22-Feb-23 A                |                        |                        | 30-Nov-22                | 07-Feb-23                              |                  |                       |                                 |         |               | -          | 21.22      |          |          |                                       |            |
| DC S2.1160520              | O&M Training to DSD/ST2  | 15           | 0       | DN-            | 0%                   |                        |                        | 09-Mar-23                  | 23-Har-23                  | 09-Mar-23              | 23-Mar-23              | 08-Feb-23                | 12-Feb-23                              | 0                |                       |                                 |         |               | 44         |            |          |          |                                       |            |
| DC S2.1160525              | Installation of DOU6 and SAT   | 45           | 0       | 39.13%         | 39%                  | 07-Feb-23              |                        | 07-Feb-23 A                | 31-Har-23                  |                        | 31-Mar-23              | 30-Jan-23                | 22-Mar-23                              | 0                | •                     |                                 |         |               | 4          | ŝ          |          |          |                                       |            |
| DC SZ 1160530              | Handover Inspection with DSD/ST2   | 1            | 0       | 0%             | 0%                   |                        |                        | 29-Mar-23                  | 30-Har-23                  |                        | 29-Mar-23              | 22-Mar-23                | 22-Mar-23                              | 0                | •                     |                                 |         |               |            |            |          |          |                                       |            |
| DC S2.1160640              | 30-cay commissioning for the screw pumping system  | 32           | 0       | 100%           | 100%                 | 20-Jan-23              | 20-Feb-23              | 20-Jan-23 A                | 20-Feb-23 A                |                        |                        | 23-Feb-23                | 24-Mar-23                              |                  | •                     |                                 |         |               | <b>4</b> . | 1          |          | -        |                                       |            |
| COMPLETION                 | N OF SECTION 2   |              |         | 0%             |                      | 20-Feb-23              | 20-Feb-23              | 20-Feb-23 A                | 20-Feb-23 A                |                        |                        | 24-Mar-23                | 24-Mar-23                              |                  |                       |                                 |         |               |            | 1          |          |          |                                       |            |
| DC SZ 1170                 | Completion of Section 2 (Working Days)   | 0            | 0       | 100%           | 100%                 |                        | 20-Feb-23              |                            | 20-Feb-23 A                |                        |                        |                          | 24-Mar-23                              |                  | •                     |                                 |         |               | •          |            |          |          |                                       |            |
| SECTION 3                  |  |              |         | 50.52%         |                      | 27-Nov-20              |                        | 27-Nov-20 A                | 13-May-25                  | 11-Jin-22              | 13-Way-25              | 27-Nov-20                | 02-Oct-25                              | 0                |                       |                                 | 111     |               |            | 1          |          | -        | 7                                     |            |
| PHASE 1 - Co               | nstruction of MBR, Sludge Disgestor Building, Transformer Room   |              |         | 81.19%         |                      | 27-Nov-20              |                        | 27-Nov-20 A                | 02-Aug-24                  | 28-Feb-23              | 02-Aug-24              | 27-Nov-20                | 19-Apr-24                              | 0                |                       |                                 | 100     | U             |            | l.         |          |          |                                       |            |
| DC S3.1001                 | Baseline Mointoning for Air and Noise  | 21           | 0       | 100%           | 100%                 | 21-Jun-21              | 11-Jul-21              | 21-Jun-21 A                |                            |                        |                        | 21-Jun-21                | 11-Jul-21                              |                  |                       |                                 |         |               |            |            |          | 1        |                                       |            |
| Acceptance of              |  |              |         | 100%           |                      | 29-May-21              | 15-Jun-21              | 29-May-21 A                | 15-Jun-21 A                |                        |                        | 28-Mar-21                | 02-Dec-21                              |                  |                       |                                 |         |               |            | i i        |          |          |                                       |            |
| DC.S1.1130                 | Acceptance of Technical Proposal of Protiminary Treatment System at CCSTW  | 13           | 0       | 100%           | 100%                 | 01-Jun-21              | 14-Jun-21              | 01-Jun-21 A                | 14-Jun-21 A                |                        |                        | 19-Nov-21                | 02-Dec-21                              |                  |                       |                                 | 1       |               |            |            |          |          |                                       |            |
| DC.81.1200                 | Acceptance of Technical Proposal for MBR System and MBR Building at CCSTW (ESM)  | 13           | 0       | 100%           | 100%                 | 01-Jun-21              | 14-Jun-21              | 01-Jan-21 A                | 14-Jun-21 A                |                        |                        | 26-May-21                | 08-Jun-21                              |                  |                       |                                 |         |               |            | 5          |          |          |                                       |            |
| DC.81.1205                 | Acceptance of Technical Proposal for MBR System and MBR Building at CCSTW (Civi & Structural)  |              | 0       | 100%           | 100%                 | 01-Jun-21              | 14-Jun-21              | 01-Jan-21 A                | 14-Jun-21 A                |                        |                        | 30-Apr-21                | 13-May-21                              |                  |                       |                                 |         |               |            |            |          |          |                                       |            |
| DC.S1.1300<br>DC.S1.1400   | Acceptance of Technical Proposal for Studge Treatment System at CCSTW  | 13           | 0       | 100%           | 100%                 | 01-Jun-21<br>01-Jun-21 | 14-Jun-21<br>14-Jun-21 | 01-Jun-21 A<br>01-Jun-21 A | 14-Jun-21 A<br>14-Jun-21 A |                        |                        | 26-May-21                | 08-Jun-21<br>08-Jun-21                 |                  |                       |                                 |         |               |            | 5          |          |          |                                       |            |
| DC.S1.1400<br>DC.S1.1450   | Acceptance of Technical Proposal for Electrical Works at CCSTW<br>Acceptance of Technical Proposal for Temp. Works Design for the 1s13 months of ECIS2 | 13           | 0       | 100%           | 100%                 | 01-Jun-21              | 14-Jun-21              | 01-Jun-21 A                | 14-Jun-21 A                |                        |                        | 26-May-21<br>24-May-21   | 30-May-21                              |                  |                       |                                 | 11      |               |            |            |          |          |                                       |            |
| DC.S1.1430                 | Approval of Technical proposal for accommodation of co-office  | 3            | 0       | 100%           | 100%                 | 29-May-21              | 01-Jun-21              | 29-May-21 A                | 01-Jun-21 A                |                        |                        | 26-Mar-21                | 29-May-21                              |                  |                       |                                 |         |               |            |            |          |          |                                       |            |
| DC.S1.1470<br>DC.S1.1570   | Approval or recrimical proposal for DIMA including application of prefabrication of NIC  | 2<br>14      | 0       | 100%           | 100%                 | 01-Jun-21              | 15-Jun-21              | D1-Jun-21 A                | 15-Jun-21 A                |                        |                        | 30-JLn-21                | 14-Jul-21                              |                  |                       |                                 | n II    |               |            | 21.2       |          |          |                                       |            |
|                            | Nic Office   | 14           |         | 100%           | 10010                | 02-Jun-21              | 29-Jun-21              | 02-Jun-21 A                | 29-Jun-21 A                |                        |                        | 24-Mar-21                | 14-Jul-21                              |                  |                       | <del></del>                     |         |               |            |            |          |          |                                       |            |
| DC.S1.1580c                | Delivery of Modules for MIC Co-Office  | 4            | 0       | 100%           | 100%                 | 02-Jun-21              | 07-Jun-21              | 02-Jun-21 A                | 07-Jun-21 A                |                        |                        | 24-Mar-21                | 29-Mar-21                              |                  |                       | 1                               |         |               |            | 1.1        |          |          |                                       |            |
| DC.81.1580d                | Installation of MiC Co-Office  | 18           | 2       | 100%           | 100%                 | 04-Jun-21              | 29-Jun-21              | 04-Jun-21 A                | 29-Jun-21 A                |                        |                        | 19-Jun-21                | 14-Jul-21                              |                  |                       | 4                               |         |               |            |            |          |          |                                       |            |
| Tranplanting V             | Norks of Tree T4   |              |         | 100%           |                      | 15-Jan-22              | 24-Nov-22              | 15-Jan-22 A                | 24-Nov-22 A                |                        |                        | 15-Jan-22                | 24-Nov-22                              |                  |                       |                                 |         |               | -          | 1.111      |          |          | r i 1                                 |            |
| DC.S3.10108                | Subjetting of Tree Transplant  | 4            | 0       | 100%           | 100%                 | 15-Jan-22              | 20-Jan-22              | 15-Jan-22 A                | 20-Jan-22 A                |                        |                        | 15-Jan-22                | 28-Feb-22                              |                  |                       |                                 | 1 4     |               |            |            |          |          |                                       |            |
| DC.S3.1010b                | Root prunning and Preparation Works for Transplanting  | 133          | 2       | 100%           | 100%                 | B4-Apr-22              | 17-Sep-22              | B4-Apr-22 A                | 17-Sep-22 A                |                        |                        | 01-Apr-22                | 17-Sep-22                              |                  |                       |                                 |         |               |            |            |          | 1        |                                       |            |
| DC.S3.1020                 | Transplanting works  | 2            | 1       | 100%           | 100%                 | 22-Nov-22              | 24-Nov-22              | 22-Nov-22 A                | 24-Nov-22 A                |                        |                        | 22-Nov-22                | 24-Nov-22                              |                  |                       |                                 |         |               | -          | 200        |          |          |                                       |            |
| Smart Sewage               | Monitoring System (Remaining Works)  |              |         | B7%            |                      | 27-Nov-20              |                        | 27-Nov-20 A                | 30-Jur-23                  | 28-Feb-23              | 30-Jun-23              | 27-Nov-20                | 07-Feb-23                              | 0                |                       |                                 |         |               |            | -          |          |          |                                       |            |
| DC.S1.1620b10              | Complete all trial installation of monitoring devices and sensors and submittan installation Report for trial inst.                                    | 225          | 4       | 100%           | 100%                 | 27-Nov-20              | 24-Jun-21              | 27-Nov-20 A                | 24-Jun-21 A                |                        |                        | 27-Nov-20                | 10-Jun-21                              |                  |                       |                                 |         |               |            | 21.22      |          |          |                                       |            |
| DC.S1.1620c10              | Preparation and submission of Draft Transmission Specification   | 196          | 0       | 100%           | 100%                 | 27-Nov-20              | 10-Jun-21              | 27-Nov-20 A                | 10-Jun-21 A                |                        |                        | 27-Nov-20                | 10-Jun-21                              |                  |                       |                                 |         |               |            |            |          |          |                                       |            |
| DC.S1.1620c10              | Completion of installation of monitoring devices and sensors and submission of installation report   | 720          | 0       | 87.08%         | 80%                  | 11-Jun-21              |                        | 11-Jun-21 A                |                            | 28-Feb-23              |                        | 11-Jun-21                | 28-Sep-22                              | 0                |                       | -                               |         | 1             |            | 21.22      |          |          |                                       |            |
| DC.S1.1620e10              | Completion testing of data transmission and compatability to DSD's Data Information System   | 29           | 1       | 0%             | 0%                   |                        |                        | 01-Jun-23                  | 30-Jur-23                  | 01-Jun-23              | 30-Jun-23              | 08-Jan-23                | 07-Feb-23                              | 0                |                       |                                 |         |               |            | <b>-</b> 8 |          |          | 6 I I -                               |            |
| CDS for Optin              | nization of Rock Socket Length for Socketed Steel H-Piles for PTF, SCB, SDB & SHT  |              |         | 100%           |                      | 31-May-21              | 16-Aug-21              | 31-May-21 A                | 16-ALg-21 A                |                        |                        | 30-May-21                | 16-Aug-21                              |                  |                       |                                 |         |               |            | 2.22       |          |          |                                       |            |
| DC.S3.1050                 | Structural Design Review After Completion of Predrilling Works (Phase 1)   | 70           | 0       | 100%           | 100%                 | 31-May-21              | 09-Aug-21              | 31-May-21 A                | 09-ALg-21 A                |                        |                        | 30-May-21                | 08-Aug-21                              |                  |                       |                                 |         |               |            | 1          |          |          |                                       |            |
| DC.S3.1060                 | ICE Checking and Issuance of ICE certificate   | 7            | 0       | 100%           | 100%                 | 10-Aug-21              | 16-Aug-21              | 10-Aug-21 A                | 16-ALg-21 A                |                        |                        | 10-Aug-21                | 16-Aug-21                              |                  |                       |                                 | ÷+      |               |            |            |          |          |                                       |            |
| Set Up of Tow              |  |              |         | DS-            |                      |                        |                        | 04-Mar-23                  |                            | 04-Mar-23              |                        |                          |  | 19               |                       |                                 |         |               |            |            |          |          |                                       |            |
| DC.S3.1070<br>DC.S3.1070a  | Subbiling of Tower Grane Erection  | 35           | 0       | 0%             | 0%                   |                        |                        | 04-Mar-23*                 |                            | 04-Mar-23              |                        |                          |  | 0<br>20          |                       |                                 |         |               | -          | 1          |          |          |                                       |            |
| DC.S3.10708<br>DC.S3.1070b | Design and Approval of Tower Grane<br>Pile Foundation Construction of Tower Crane  | 28           | 0       | 0%             | 0%                   |                        |                        | 22-Apr-23<br>20-Way-23     | 19-May-23<br>30-Jun-23     | 12-May-23<br>09-Jun-23 | 20-Jul-23              |                          |  | 16               |                       |                                 |         |               |            |            |          |          |                                       |            |
| DC.S3.10706<br>DC.S3.1070c | Erection of Tower Crane  | 12           | 0       | 0%             | 0%                   |                        |                        | 20-669-23<br>03-Jui-23     |                            |                        | 20-JUI-23<br>03-Aug-23 |                          |  | 16               |                       |                                 |         |               |            | G, (       |          |          |                                       |            |
|                            | of MBR Treatment Facilities  | 16           | 0       | 57.21%         | 0.9                  | 01-Apr-21              |                        | 01-Apr-21 A                | 02-Aug-24                  |                        | 02-Aug-24              | 01-Apr-21                | 19-Apr-24                              | 0                |                       | · · ·                           |         |               |            |            |          |          |                                       |            |
|                            | abrication and Delivery of Major E&M Equipment   |              |         | 58.57%         |                      | 12-Jul-21              |                        | 12-Jul-21 A                | 02-May-24                  | 17-Mar-23              | 19-blay-24             | 28-Aug-21                | 29-Oct-22                              | 17               |                       |                                 |         |               |            |            | HH II.   |          |                                       |            |
| DC.S3.1075a                | Tendering of Subcontrator  | 45           | 0       | 100%           | 100%                 | 12-Jul-21              | 26-Aug-21              | 12-Jul-21 A                | 26-ALG-21 A                |                        |                        | 28-Aug-21                | 14-Oct-21                              |                  |                       |                                 |         |               |            | i.         |          |          |                                       |            |
| DC.S3.1075b                | Equipment Submission and Approval  | 591          | 0       | 84.77%         | 70%                  | 15-Oct-21              |                        | 15-Oct-21 A                |                            | 20-Mar-23              | 17-Jun-23              | 15-Oci-21                | 29-Oct-22                              | 20               |                       |                                 | -       |               |            | • } -      |          |          | 6 F F                                 |            |
| Procurement                |  |              |         | 0.65%          |                      | 01-Nov-22              |                        | 01-Nov-22 A                | 01-Aug-23                  |                        | 25-Doc-23              |                          |  | 146              |                       |                                 |         |               |            |            |          |          |                                       |            |
| DC.S3.1080a10              | 0 Membrane Modules   | 1            | 0       | 100%           | 100%                 | 01-Nov-22              | 01-Nov-22              | 01-Nov-22 A                | 01-Nov-22 A                |                        |                        |                          |  |                  | •                     |                                 |         |               | μN         |            |          |          |                                       |            |
| DC.S3.1080a11              | 1 Perstocks  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-May-23*                 | 01-May-23                  | 27-44-9-23             | 27-Aug-23              |                          |  | 118              | •                     |                                 |         | 1 i i         | L          | 5          |          |          |                                       |            |
| DC.S3.1080a12              | 2 Submensible Mixers   | 1            | 0       | 100%           | 100%                 | 02-Jan-23              | 02-Jan-23              | 02-Jan-23 A                | 02-Jan-23 A                |                        |                        |                          |  |                  | •                     |                                 |         |               |            | 200        |          |          |                                       |            |
|                            | 3 Aeration Blowers & Air Scouring Blowers  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-Mar-23*                 | 01-Har-23                  | 27-Aug-23              |                        |                          |  | 179              | •                     |                                 |         |               |            |            |          |          |                                       |            |
|                            | 4 Fine Butble Diffuser   | 1            | 0       | 0%             | 63,                  |                        |                        | 01-May-23*                 |                            | 27-At.g-23             |                        |                          |  | 118              | *                     |                                 | uuu     |               |            | i.         |          |          |                                       |            |
|                            | 5 Permeste Purips  | 1            | 0       | D%             | 0%                   |                        |                        | 01-May-23*                 |                            | 27-Ai.g-23             |                        |                          |  | 118              | *                     |                                 |         |               | 1 1 2      |            |          |          |                                       |            |
|                            | 8 Drain Pumpa  | 1            | 0       | D%             | 0%                   |                        |                        | 01-May-23*                 |                            | 27-Asg-23              |                        |                          |  | 118              | •                     |                                 |         |               |            | 1.21       |          |          |                                       |            |
| DC.S3.1080u17              |  | 1            | 0       | D%             | 0%                   |                        |                        | 01-May-23*                 |                            | 27-Aug-23              |                        |                          |  | 118              | •                     |                                 |         |               |            |            |          |          |                                       |            |
|                            | 8 WAS Pumps  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-Apr-23*                 | 01-Apt-23                  |                        | 28-Jul-23              |                          |  | 118              |                       |                                 |         |               |            | 1.11       |          |          | ( i i i -                             |            |
|                            | 9 Soum Skimming Devices  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-May-23*<br>01-May-23*   | 01-May-23                  |                        | 28-Jul-23              |                          |  | 88               | -                     |                                 |         |               |            | 2          |          | -        | · · · · · · · · · · · · · · · · · · · |            |
|                            | 0 Citric Acid Storage & Dosing System<br>1 Sector Monthlein Storage & Desing System  | 1            | 0       | 0%             | 0%                   |                        |                        |                            | 01-May-23                  |                        | 28-Jul-23<br>28-Jul-23 |                          |  | 88<br>88         |                       |                                 |         |               |            |            |          |          |                                       |            |
|                            | Socium Hypochlorite Storage & Dosing System<br>2 Lifting Applance  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-May-23*<br>01-May-23*   | 01-May-23<br>01-May-23     |                        | 28-Jul-23<br>20-Sep-23 |                          |  | 142              |                       |                                 |         |               |            | 2.22       |          |          |                                       |            |
|                            | 2 Liting Applance<br>3 Duplex Stain ess Steel Air Scouring System  | 1            | 0       | DN-            | 0%                   |                        |                        | 01-May-23*                 |                            |                        | 20-585-23<br>27-Aug-23 |                          |  | 162              |                       |                                 |         |               |            |            |          |          |                                       |            |
|                            | SS31E Pipework (For Ar)  | 1            | 0       | D%             | 0%                   |                        | -                      | D1-Jun-23*                 | 01-Jur-23                  |                        | 19-Nov-23              |                          |  | 171              |                       |                                 |         |               |            | 1          |          |          |                                       |            |
|                            | 5 Ebre Gasket for Air Pipevork   | 1            | 0       | DN-            | 0%                   |                        |                        | 01-May-23*                 | 01-May-23                  |                        | 20-0d-23               |                          |  | 172              |                       | - - - - - - - - - - - - - - - - | HHH     |               |            |            |          |          |                                       |            |
|                            | 5 DI Fipevork (For Several)  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-Mar-23*                 | 01-May-23                  |                        | 20-00-20               |                          |  | 172              | •                     |                                 |         |               | III 🛛      | 5          |          |          |                                       |            |
|                            | 7 uPVC Pipevork  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-May-23*                 | 01-May-23                  |                        | 20-0ct-23              |                          |  | 172              | •                     |                                 |         |               | 1          | 100        |          |          |                                       |            |
|                            | 8 uPVC Pipevork (Double Containment)   | 1            | 0       | 0%             | 0%                   |                        |                        | 01-May-23*                 | 01-May-23                  |                        | 20-0ct-23              |                          |  | 172              | •                     |                                 |         |               | 1 🛛 🚺      | í.         |          |          |                                       |            |
|                            | 9 Valves for Process Picework (For Sewage and Air)   | 1            | 0       | 0%             | 0%                   |                        |                        | 01-Apr-23*                 | 01-Apr-23                  |                        | 28-Jul-23              |                          |  | 118              | •                     |                                 |         |               |            |            |          |          |                                       |            |
|                            | Actuator for Valves  | 1            | 0       | 0%             | 0%                   |                        |                        | 01-May-23*                 | 01-May-23                  | 27-ALg-23              | 27-Aug-23              |                          |  | 118              | •                     |                                 | nnti    | 11-1          |            |            |          | 1        |                                       |            |
|                            | 1 Decidorisation System Unit 2   | 1            | 0       | DN-            | 0%                   |                        |                        | 01-Jun-23*                 |                            | 26-Sep-23              |                        |                          |  | 117              |                       |                                 |         |               | i          | j į        |          |          |                                       |            |
|                            |  |              |         |                |                      |                        |                        |                            |                            |                        |                        |                          |  |                  |                       |                                 |         |               |            |            |          |          |                                       |            |
| -                          | iman Panelina  | DOIDO        | 0/07 01 |                |                      |                        |                        |                            |                            | E OUE                  |                        |                          |  | BACKIZ .         |                       |                                 | FAC"    |               |            | Date       | R/       | levision | Chec                                  | . Approv   |
|                            | imary Baseline   | DC/201       | 9/07 OL | JILYING        | ISLAND               | S SEWER                |                        | GE2 - UPG                  |                            |                        |                        |                          |  | MENT             | AND D                 | SPOSAL                          | - FACIL | THES          | 30-        | Nov-22     | Rev. 20  |          | JL                                    | CL         |
| Ac                         | stual Work   |              |         |                |                      |                        | REVISE                 | D PROGR                    | AMME -                     | REV. 22                | 2 (28 Fe               | bruary 2                 | 2023)                                  |                  |                       |                                 |         |               |            |            |          |          |                                       |            |
| Re                         | emaining Work  |              |         |                |                      |                        |                        |                            |                            | 4 of 13)               |                        |                          | ,                                      |                  |                       |                                 |         |               |            | Dec-22     | Rev. 21  |          | JL                                    | CL         |
|                            | -  |              |         |                |                      |                        |                        |                            | (i age                     | - 51 10)               |                        |                          |  |                  |                       |                                 |         |               | 28-        | Feb-23     | Rev. 22  | 2        | JL                                    | CL         |
|                            | itical Remaining Work  | 1            |         |                |                      |                        |                        |                            |                            |                        |                        |                          |  |                  |                       |                                 |         |               |            |            |          |          |                                       |            |
|                            | aseline Milestone  |              |         |                |                      |                        |                        |                            |                            |                        |                        |                          |  |                  |                       |                                 |         |               |            |            |          |          |                                       |            |



| Activity Name  | Orl. Dur (d) | TRA (d) | Time Elapsed % | Actual           | Actual Start | Actual Finish | Early Start | Early Finish | Late Start Late F | ish Early Start (Re | w. Early Finish T | otal Amended<br>loat Activities |      | 2021                                    | 20       | 22                    | 2123                                  | 2024             |         | 2025      | 2026           |
|--|--------------|---------|----------------|------------------|--------------|---------------|-------------|--------------|-------------------|---------------------|-------------------|---------------------------------|------|---|----------|-----------------------|---------------------------------------|------------------|---------|-----------|----------------|
| C.S3/1080x12 LV Switchzoard and Motor Control Panels   | 1            | 0       | 0%             | Workdone %<br>0% |              |               | 01-Jul-23*  | 01-Jul-23    | 26-Oct-23 26-Oc   | 20)                 |                   | kat Activities                  | Q1 0 | 03 0                                    | 01 02    | Q3 Q4                 | 01 02 03 04                           | Q1 Q2 Q3         | 04 01 0 | 2 03 04 0 | 02 03          |
| C.S. (3883) VSD  | 1            | 0       | 0%             | 0%               |              |               | 01-Jun-23*  |              | 25-Dac-23 25-De   |                     |                   | 207 *                           |      |   |          |                       | 161                                   |                  |         |           |                |
| C.S3.1080034 UPS with Isolation Transformer  | 1            | 0       | 0%             | 0%               |              |               | 01-Jun-23*  |              | 26-Sep-23 26-Se   |                     |                   | 117 *                           |      |   |          |                       |                                       |                  |         |           |                |
|  | 1            |         | DN-            | 0%               |              |               |             |              |                   |                     |                   | 56                              |      |   |          |                       |                                       |                  |         | -+        |                |
| C.S3.1080u35 PLC Parel   | 1            | 0       |                |                  |              |               | 01-Aug-23*  |              | 26-Sep-23 26-Se   |                     |                   | 56 1                            |      |   |          |                       |                                       |                  |         |           |                |
| C.S3.1080u38 Instrumentation   | 1            | 0       | DN-            | 0%               |              |               | 01-Aug-23*  |              | 26-Sep-23 26-Se   |                     |                   | 58 .                            |      |   |          |                       |                                       |                  |         | 1.1       |                |
| briation   |              |         | 24.34%         |                  | 01-Nov-22    |               | 01-Nov-22 A | 03-Har-24    | 17-Mar-23 20-Ma   |                     |                   | 17                              |      |   |          |                       |                                       |                  |         |           |                |
| C.S3.1088010 Mambrane Modules  | 459          | 0       | 24.34%         |                  | 01-Nov-22    |               | 01-Nov-22 A | 03-Mer-24*   | 17-Mar-23 20-Ma   |                     |                   | 17 *                            |      |   |          |                       |                                       |                  |         |           |                |
| C.S3.1080b11 Perstocks   | 135          | 0       | 0%             | 0%               |              |               | 02-May-23*  | 13-Sep-23    | 28-Aug-23 09-Ja   | 24                  |                   | 18 *                            |      |   |          |                       |                                       |                  |         | 1.1       |                |
| C.S3.1080b12 Submersible Mixers  | 257          | 0       | 22.18%         | 22%              | 02-Jan-23    |               | 02-Jan-23 A | 15-Sep-23    | 24-Jun-23 09-Ja   | 24                  |                   | 16 *                            |      |   |          | _ <u>¦</u> <b>\</b> + |                                       |                  |         |           |                |
| C.S3.1080b13 Aeration Blowers & Air Scouring Blowers   | 135          | 0       | 0%             | 0%               |              |               | 02-May-23*  | 13-Sep-23    | 28-Aug-23 09-Ja   | 24                  |                   | 18 *                            |      |   |          |                       |                                       |                  |         |           |                |
| C.S3.1080b14 Fine Butble Diffuser  | 135          | 0       | 0%             | 0%               |              |               | 02 Mar-23*  | 13-Sen-23    | 28-ALg-23 09-Ja   | 24                  |                   | 18 *                            |      |   |          |                       |                                       |                  |         | 1.1       |                |
| 2.S3.1080s15 Permeste Purros   | 125          | 0       | 0%             | 0%               |              |               | 02-May-23*  |              | 28-AL0-23 09-Ja   |                     |                   | 18 *                            |      |   |          |                       |                                       |                  |         |           |                |
|  | 125          | 0       | D24            | 0%               |              |               |             |              |                   |                     |                   | 18 '                            |      |   |          |                       |                                       |                  |         |           |                |
| .S3.1080u10 Drain Pumps  |              |         |                |                  |              |               | 02-May-23*  |              | 28-Aug-23 09-Ja   |                     |                   |                                 |      |   |          |                       |                                       | and and and      |         |           | لير ما مر ما م |
| 2.53.1080s17 RAS Pumps   | 125          | 0       | DS-            | 0%               |              |               | 02-May-23*  |              | 28-Aug-23 09-Ja   |                     |                   | 18 '                            |      |   |          | - 1 I                 |                                       |                  |         |           |                |
| .S3.1080o18 WAS Pumps  | 185          | 0       | U%             | 0%               |              |               | 02-Apr-23*  |              | 29-Jul-23 09-Ja   |                     |                   | 18 *                            |      |   |          | 3                     |                                       |                  |         |           |                |
| S3.1080o19 Soun Skimming Devices   | 185          | 0       | 0%             | 0%               |              |               | 02-May-23*  | 13-Oct-23    | 29-Jul-23 09-Ja   | 24                  |                   | 88 *                            |      |   |          |                       | -                                     |                  |         | 1.1       | 1.1.1          |
| 153.1080x20 Citric Acid Storage & Dosing System  | 185          | 0       | 0%             | 0%               |              |               | 02-Mar-23*  | 13-Oct-23    | 29-Jul-23 09-Ja   | 24                  |                   | 88 *                            |      |   |          |                       |                                       |                  |         |           |                |
| S3.1080b21 Socium Hypochlonie Storage & Dosing System  | 185          | 0       | 0%             | 0%               |              |               | 02 Mar-23*  | 13-Oct-23    |                   |                     |                   | 88 *                            |      |   |          |                       |                                       |                  |         |           |                |
| S3.1080x22 Lifting Appliance   | 165          | 0       | 0%             | 0%               |              |               | 02-May-23*  |              | 21-Sep-23 03-Ma   |                     |                   | 142 1                           |      |   |          |                       | i i i i i i i i i i i i i i i i i i i |                  |         |           |                |
|  | 125          | 0       | 0%             | 0%               |              |               |             |              |                   |                     |                   | 18 *                            |      |   |          | 4                     |                                       |                  |         | 1.1       |                |
| 53.1080t23 Duplex Stan ass Steel Air Scouring System   |              |         |                |                  |              | -             | 02-May-23*  |              | 28-Aug-23 09-Ja   |                     |                   |                                 |      |   |          |                       |                                       |                  |         |           |                |
| 53.1080s24 SS31E Pipework (For Art   | 105          | 0       | DS-            | 03.              |              | -             | 02-Jun-23*  |              | 20-Nov-23 03-Ma   |                     |                   | 171 *                           |      |   |          |                       |                                       |                  |         | 1.1       |                |
| 3.1080025 Fore Gasket for Air Pipework   | 125          | 0       | DS-            | 0%               |              |               | 02-May-23*  | 13-Sep-23    |                   |                     |                   | 172 .                           |      |   |          |                       |                                       |                  |         |           |                |
| 33.1080x26 DI Filpework (For Sewage)   | 135          | 0       | 0%             | 0%               |              |               | 02-May-23*  | 13-Sep-23    | 21-0cl-23 03-M    | -24                 |                   | 172 *                           |      |   |          | 1                     |                                       |                  |         |           |                |
| 3.1080x27 uPVC Ppevork   | 135          | 0       | 0%             | 0%               |              |               | 02-May-23*  | 13-Sep-23    | 21-Oct-23 03-Ma   | 24                  |                   | 72 *                            |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080x28 uPVC Poevork Double Containment  | 135          | 0       | 0%             | 0%               |              |               | 02 Mar-23*  | 13-Sep-23    |                   |                     |                   | 72 .                            |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080x29 Valves for Process Picework (For Servage and Air)  | 185          | 0       | 0%             | 0%               |              |               | 02-Apr-23*  | 13-Sep-23    |                   |                     |                   | 18 *                            |      |   |          |                       | k i i                                 |                  |         |           |                |
|  | 100          | 0       |                | 0%               |              |               |             |              |                   |                     |                   | 17 *                            |      |   |          |                       |                                       |                  |         |           |                |
| 3.1030x30 Actuator for Valves  |              |         | 0%             |                  |              |               | 03-May-23*  |              | 28-Al.g-23 09-Ja  |                     |                   |                                 |      |   |          |                       |                                       |                  |         | 1         |                |
| 8.1080s31 Deadorsation System Unit 2   | 105          | 0       | 0%             | 0%               |              |               | 02-Jun-23*  |              | 27-Sep-23 09-Ja   |                     |                   | 17                              |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080b32 LV Switchoosind and Motor Control Panels   | 75           | 0       | D%             | 0%               |              |               | 03-Jul-23   |              | 27-Oct-23 09-Ja   |                     |                   | 16 *                            | F    |   |          |                       |                                       |                  |         |           |                |
| 3.1080533 VSD  | 30           | 0       | 0%             | 0%               |              |               | 02-Jun-23*  | 01-Jul-23    | 28-Dec-23 24-Ja   | 24                  |                   | 207 *                           |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080x34 UPS with toolation Transformer   | 125          | 0       | 0%             | 0%               |              |               | 02-Jun-23*  |              | 27-Sop-23 09-Ja   |                     |                   | 17 *                            |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080035 PLC Parel  | 105          | 0       | 0%             | 0%               |              |               | 02-Aug-23*  |              | 27-Sep-23 09-Ja   |                     |                   | 56 *                            |      |   |          |                       | -                                     |                  |         |           |                |
| 3.1080x36 Instrumentation  | 105          | 0       | 0%             | 0%               |              |               | 02-Aug-23*  |              | 27-Sep-23 09-Ja   |                     |                   | 56 +                            |      |   |          |                       | -                                     |                  |         |           |                |
| 3. ISB0000 IIISB01701188001  | 100          | 0       | 0%             | 0%               |              |               | 02-Jul-23   | 02-h/m-24    |                   |                     |                   | 50                              |      |   |          |                       |                                       | السابة وليلبي    |         |           |                |
| ,  |              |         | 010            |                  |              |               |             |              |                   |                     |                   | 17                              |      |   |          |                       |                                       |                  |         |           |                |
| 33.1080c10 Membrane Modules  | 60           | 0       | 0%             | 0%               |              |               | 04-Mar-24   |              | 21-Mar-24 19-Ma   |                     |                   | 17 *                            |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080o11 Perstocks  | 30           | 9       | 0%             | 63,              |              |               | 14-Sep-23   | 13-Oct-23    | 10-Jan-24 08-Fe   | -24                 |                   | 18 *                            |      |   |          |                       | 1                                     |                  |         |           |                |
| 3.1080x12 Submensible Mixers   | 30           | 0       | D%             | 63,              |              |               | 16-Sep-23   | 15-Oct-23    | 10-Jan-24 08-Fe   | -24                 |                   | 16 *                            |      |   |          |                       |                                       |                  |         |           |                |
| 33.1080c13 Aeration Blowers & Air Scouring Blowers   | 30           | 0       | D%             | 0%               |              |               | 14-Sep-23   | 13-Ocl-23    | 10-Jan-24 08-Fe   | -24                 |                   | 18 1                            |      |   |          |                       |                                       |                  |         | 1.1       |                |
| 33.1080c14 Fine Butble Dillusor  | 32           | 0       | 0%             | 0%               |              |               | 14-Sep-23   | 13-Oci-23    | 10-Jan-24 08-Fo   |                     |                   | 18 *                            |      |   |          |                       |                                       | an di in di an i |         |           |                |
| S3.1080c15 Permeale Pumps  | 30           | 0       | 0%             | 0%               |              |               |             |              | 10-Jan-24 08-Fe   |                     |                   | 18 *                            |      |   |          |                       |                                       |                  |         |           |                |
|  |              |         |                |                  |              |               | 14-Sep-23   |              |                   |                     |                   |                                 |      |   |          |                       | 46                                    |                  |         | 1.1       |                |
| 3.1380c16 Drain Pumps  | 30           | 0       | 0%             | 0%               |              |               | 14-Sep-23   |              | 10-Jan-24 08-Fe   |                     |                   | 18 *                            |      |   |          |                       | E                                     |                  |         |           |                |
| 53.1080c17 RAS Pumps   | 30           | 0       | 0%             | 0%               |              |               | 14-Sep-23   | 13-Oct-23    | 10-Jan-24 08-Fe   |                     |                   | 18 *                            |      |   |          | 3                     | T                                     |                  |         |           |                |
| 3.1080c18 WAS Pumps  | 30           | 0       | 0%             | 03,              |              |               | 14-Sep-23   | 13-Oct-23    | 10-Jan-24 08-Fe   | -24                 |                   | 18 *                            |      |   |          |                       | 1                                     |                  |         | 1.1       |                |
| 3.1080x19 Soun Skimming Devices  | 30           | 0       | 0%             | 0%               |              |               | 14-Oct-23   | 12-Nov-23    | 10-Jan-24 08-Fe   | -24                 |                   | 88 <b>^</b>                     |      |   |          |                       | 1                                     |                  |         |           |                |
| 3.1080c20 Citric Acid Storage & Dosing System  | 30           | 0       | DN-            | 03,              |              |               | 14-Oct-23   | 12-Nov-23    | 10-Jan-24 08-Fe   | -24                 |                   | 58 1                            |      |   |          |                       | ÷                                     |                  |         |           |                |
| 3.1080c21 Socium Hypochtorite Storage & Dosing System  | 32           | 0       | DN-            | 0%               |              |               | 14-Oct-23   | 12-Nov-23    | 10-Jan-24 08-Fe   | .24                 |                   | 58 .                            |      |   |          |                       |                                       |                  |         |           |                |
|  | 30           | 0       | 0%             | 0%               |              |               | 14-00-23    |              | 04-Mar-24 02-Ap   |                     |                   | 142 .                           |      |   |          |                       | 4                                     |                  |         |           |                |
| 3.1080c22 Lifing Applance  |              |         |                | 0%               |              |               |             |              |                   |                     |                   | 18 *                            |      |   |          | 1                     |                                       |                  |         |           |                |
| 3.1080s23 Duptex Stain ess Steel Air Scouring System   | 30           | 0       | 0%             |                  |              |               | 14-Sep-23   |              |                   |                     |                   |                                 |      |   |          |                       |                                       |                  |         |           |                |
| 3.1380c24 SS318 Pipework (For Ar)  | 30           | 0       | 0%             | 0%               |              |               | 15-Sep-23   |              | 04-Mar-24 02-Ap   |                     |                   | 171 *                           |      |   |          |                       | 1 I T                                 |                  |         | 1.1       |                |
| 3.1080c25 Fbre Gasket for Air Pipework   | 30           | 0       | 0%             | 0%               |              |               | 14-Sep-23   | 13-Oct-23    | 04-Mar-24 02-Ap   | 24                  |                   | 172 *                           |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080c26 DI Pipework (For Sevage)   | 30           | 0       | 0%             | 0%               |              |               | 14-Sep-23   | 13-Oct-23    | 04-Mar-24 02-Ap   | 24                  |                   | 172 *                           |      |   |          |                       | - <b>-</b>                            |                  |         |           |                |
| 3.1080c27 uPVC Ppevork   | 30           | 0       | 0%             | 03,              |              |               | 14-Sep-23   |              | 04-Mar-24 02-Ap   |                     |                   | 172 *                           |      |   |          |                       | <b>-</b>                              |                  |         | 1.1       |                |
| 3.1080x28 uPVC Pipevork (Double Containment)   | 32           | 0       | DN.            | 03.              |              | -             | 14-Sep-23   |              | 04-Mar-24 02-Ap   |                     |                   | 72 '                            |      |   |          | - # L                 | -                                     |                  |         |           |                |
| 3.1030c20 Valves for Process Picework (For Servage and Air)  | 32           | 0       | DS-            | 0%               |              |               | 14-Sep-23   | 13-Oci-23    |                   |                     |                   | 18                              |      | +++++++++++++++++++++++++++++++++++++++ |          |                       | +                                     | <u> </u>  - - -  |         | -++       |                |
|  |              |         |                |                  |              |               |             |              |                   |                     |                   | 10                              |      |   |          |                       | - F                                   |                  |         |           |                |
| 3.1080c30 Actualor for Valves  | 32           | 0       | DS-            | 0%               |              |               | 15-Sep-23   |              | 10-Jan-24 08-Fe   |                     |                   | 17 1                            |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080c01 Deodorisation System Unit 2  | 32           | 0       | 0%             | 0%               |              |               | 15-Sep-23   |              | 10-Jan-24 08-Fe   |                     |                   | 117 *                           |      |   |          | - 1 I                 |                                       |                  |         | 1.1       | 1.1            |
| 3.1080c32 LV Switchboard and Motor Control Panels  | 30           | 0       | 0%             | 0%               |              |               | 18-Sep-23   | 15-Oct-23    | 10-Jan-24 08-Fe   |                     |                   | 16 *                            |      |   |          |                       | T                                     |                  |         |           |                |
| 1080e33 VSD  | 15           | 0       | 0%             | 0%               |              |               | 02-Jui-23   | 16-Jul-23    | 25-Jan-24 08-Fe   | -24                 |                   | 207 *                           |      |   |          |                       |                                       |                  |         |           |                |
| 3.1080c34 UPS with Isolation Transformer   | 30           | 0       | 0%             | 0%               |              |               | 15-Sep-23   | 14-Oct-23    | 10-Jan-24 08-Fe   |                     |                   | 17 *                            |      |   |          |                       |                                       |                  |         | 1.1.      |                |
| 3.1080c35 PLC Parel  | 30           | 0       | 0%             | 0%               |              | -             | 15-\\07-23  | 14-Dec-23    | 10-Jan-24 08-Fe   |                     |                   | 56 *                            |      |   |          |                       |                                       |                  |         |           | 1.1            |
| 3.1080c36 Instrumentation  | 30           | 0       | 0%             |                  |              |               | 15-\07-23   |              |                   |                     |                   | 56 *                            |      |   |          |                       | -                                     |                  |         |           |                |
|  | 52           | J       |                | 0%               | 54.4 DV      |               |             |              | 10-Jan-24 08-Fe   |                     |                   |                                 | 14   |   |          |                       |                                       | ا ا اسلا         |         | 1.1       | 1.1            |
| Structural Works   |              |         | 65.54%         |                  | 01-Apr-21    |               | 01-Apr-21 A |              | 28-Feb-23 29-Fe   |                     |                   | 0                               | I T  |   |          |                       |                                       |                  |         |           |                |
| 1990a Site Preparation Works for Piling (including relocation of Existing Studge Storage Sheller)                  | 23           | 4       | 100%           |                  | 31-May-21    | 03-Jul-21     | 31-May-21 A | 03-Jul-21 A  |                   | 31-May-21           | 03-Jul-21         |                                 |      |   | +        |                       |                                       |                  |         | 1         |                |
| 1990b Subicting of Pling Works   | 48           | 0       | 100%           |                  | 01-Apr-21    | 29-May-21     | 01-Apr-21 A | 29-May-21 A  |                   | 01-Apr-21           | 29-May-21         |                                 | 1    |   | -        |                       |                                       |                  |         | 1.1       |                |
| 1090c Material Testing for Piling Works  | 29           | 0       | 100%           | 100%             | 30-Apr-21    | 29 May-21     | 30-Apr-21 A | 29-May-21 A  |                   | 09-May-21           | 07-Jun-21         |                                 | 1 4  |   |          |                       |                                       |                  |         |           |                |
| 1090d Mobilization and Setting up of 2nd Set Piling Rig and Associated Equipment                                   | 9            | 0       | 100%           |                  | 24-Sep-21    | 24-Sep-21     | 24-Sep-21 A | 24-Sep-21 A  |                   | 24-Feb-22           | 04-Mar-22         |                                 |      | 1                                       |          | 11                    |                                       |                  |         |           |                |
| 3.1100 Piling works for pre-borec socket H-piles (67 nos, dia610)  | 90           | 5       | 100%           | 100%             | 07-Oct-21    | 31-Jan-22     | 07-0ct-21 A | 31-Jan-22 A  |                   | 07-Oct-21           | 31-Jan-22         |                                 |      |   |          |                       |                                       |                  |         |           |                |
| International Activities of pre-corect social Repression Pile     Design and Pile Loading Test of Compression Pile | 54           | 3       | 100%           |                  | 31-Jan-22    | 12-Apr-22     | 31-Jan-22 A |              |                   | 28-Feb-22           |                   |                                 |      |   |          |                       |                                       |                  |         | 1.1       | 1.1            |
|  | DRI .        |         |                |                  |              |               |             |              |                   |                     |                   |                                 |      | + + + +                                 |          |                       | <b> </b>                              | ╽┟╴┋╞╾┊┊╾╿       |         |           |                |
| 8.1110a Pie Loading Test of Compression Pie  | 1            | 2       | 100%           | 100%             | 26-Sec-22    | 29-Sep-22     | 26-Sep-22 A | 29-Sep-22 A  |                   | 08-Sep-22           | 21-Sep-22         |                                 |      |   |          | - 1                   |                                       |                  |         |           |                |
| .111' Proof Drill  | 3            | 1       | 100%           | 100%             | 19-Mar-22    | 24-Ma-22      | 19-Mar-22 A | 24-Mar-22 A  |                   | 17-Mar-22           | 24-Mar-22         |                                 |      |   | 184      |                       |                                       |                  |         |           |                |
|  |              |         |                |                  |              |               |             |              |                   |                     |                   |                                 |      |   |          |                       | Date                                  | Pe               | vision  | Chec      | Аррг           |
| Primary Baseline   | DC/201       | 9/07 OL | JTLYING I      | SLANDS           | SEWER        | AGE STA       | GE2 - UPG   | RADING (     | OF CHEUNG         | HAU SEWA            | GE TREATM         | ENT AND DI                      | SPOS | AL FA                                   | CILITIES | 6                     |                                       |                  | 13011   |           |                |
|  |              |         |                |                  |              |               |             |              |                   |                     |                   |                                 |      |   |          |                       | 30-Nov-22                             | Rev. 20          |         | JL        | CL             |
|  |              |         |                |                  |              | REVISE        | D PROGR     | AMINE -      | REV. 22 (2)       | repruary            | 2023)             |                                 |      |   |          |                       | 24 D 22                               | Rev. 21          |         | JL        | CL             |
| Actual Work  |              |         |                |                  |              |               |             |              |                   |                     |                   |                                 |      |   |          |                       |                                       |                  |         |           |                |
|  |              |         |                |                  |              |               |             | (Page        | 5 of 13)          |                     |                   |                                 |      |   |          |                       | 31-Dec-22                             |                  |         | 1. 1      |                |
| Remaining Work   |              |         |                |                  |              |               |             | (Page        | 5 of 13)          |                     | ŕ                 |                                 |      |   |          |                       | 28-Feb-23                             | Rev. 22          |         | JL        | CL             |
| Actual Work Remaining Work Critical Remaining Work & Baseline Milestone  |              |         |                |                  |              |               |             | (Page        | 5 of 13)          |                     | ,                 |                                 |      |   |          |                       |                                       |                  |         | JL        | CL             |



| Activity Name   | Ori. Dur (d) | TRA (d) | Time Expeed %  | Actual             | Actual Start           | Actual Finish          | Early Start                | Early Finish               | Late Start             | Lite Finish            | Early Start (Rev.<br>20) | Early Finish<br>(Rev. 20) | Total Amen<br>Float Activ | ied   | 2021  |                      | 2022     |                      | 2923       | 2024<br>Q1 Q2 Q3 Q4 | 2025        | 2026            |
|---|--------------|---------|----------------|--------------------|------------------------|------------------------|----------------------------|----------------------------|------------------------|------------------------|--------------------------|---------------------------|---------------------------|-------|-------|----------------------|----------|----------------------|------------|---------------------|-------------|-----------------|
| C.S3.1140 Pre-boring for Installation of Sheet Piles (Total 372nos., 3rics)   | 194          | 0       | 100%           | Workdone 5<br>100% | 31-Mar-22              | 24-Nov-22              | 31-Mar-22 A                | 24-Nov-22 A                |                        |                        | 20)<br>31-Mar-22         | (Rev. 20)<br>24-Nov-22    | ridat Activi              | 10 01 | 02 03 | G4 01                | Q2 Q3    |                      | uz 03 04   | <u>un 02 03 04</u>  | un 02 03 04 | <u>un az as</u> |
| C.S3.1140a Installation of Sheet Files  | 92           | 1       | 100%           | 100%               | 18-Aug-22              | 06-Dec-22              | 16-Aug-22 A                | 06-Dec-22 A                |                        |                        | 16-Aug-22                | 06-Dec-22                 |                           |       |       |                      | -        | ÷.                   |            |                     |             |                 |
| C.S3.1160a Excevation to +3.0mPD  | 10           | 0       | 100%           | 100%               | 23-Nov-22              | 05-Dec-22              | 23-Nov-22 A                | 05-Dec-22 A                |                        |                        | 23-Nov-22                | 05-Dec-22                 |                           |       |       |                      |          | <u>iu</u>            |            |                     |             |                 |
| 2.53.1160b Installation of wailing and shuffor ELS Layer 1  | 20           | 0       | 100%           | 100%               | 13-Dec-22              | 07-Jan-23              | 13-Dec-22 A                | 07-Jan-23 A                |                        |                        | 13-Dec-22                | 30-Dec-22                 |                           |       | 111   | tit ti               |          | ( <b>1</b> 1)        | 1          | lt thirt            | 11111       |                 |
| C.SS.116Cc Excavation to +0.5mPD  | 29           | 0       | 100%           | 103%               | 31-Dec-22              | 06-Feb-23              | 31-Dec-22 A                | 06-Fab-23 A                |                        |                        | 31-Dec-22                | 12-Jan-23                 |                           |       |       |                      |          | 4                    |            |                     |             |                 |
| C.S3.1160d Installation of wailing and shut for ELS Layer 2   | 15           | 0       | 100%           | 107%               | 30-Jan-23              | 18-Feb-23              | 30-Jan-23 A                | 18-Fab-23 A                |                        |                        | 13-Jan-23                | 0'-Feb-23                 |                           |       |       |                      | 11       |                      |            |                     |             |                 |
| C.S3.116Ge Excavation to -3 8mPD  | 17           | 0       | 41.15%         | 41%                | 20-Feb-23              |                        | 20-Feb-23 A                |                            | 28-Feb-23              | 10-Mar-23              | 02-Feb-23                | 18-Feb-23                 | 0.                        |       |       |                      |          | i 🚽                  |            |                     |             |                 |
| C.S3.1160f Installation of walling and strut for ELS Layer 3  | 15           | 0       | 0%             | 0%                 |                        |                        | 11-Mar-23                  |                            | 11-Mar-23              |                        | 20-Feb-23                | 04-Mar-23                 | 0 .                       |       |       |                      |          | :  ₩                 |            |                     |             |                 |
| C.S3.1160g Excevation to -5 0mPD  | 10           | 0       | 0%             | 0%                 |                        |                        | 29-Mar-23                  | 13-Apt-23                  | 29-Mar-23              | 13-Apr-23              | 06-Mar-23                | 18-Mar-23                 | 0 .                       |       |       |                      |          | :   <del>   </del>   | 4 i i l    |                     |             |                 |
| C.S3.1160h Installation of walling and strut for ELS Layer 4  | 15           | 0       | 0%             | 0%                 |                        |                        | 14-Ap+-23                  |                            | 14-Apr-23              |                        | 20-Mar-23                | 01-Apr-23                 | 0 .                       |       |       |                      |          | :   <mark> </mark> = |            |                     |             |                 |
| C.S3.11601 Excevation to -7.0mPD and concrete blinding layer  | 15           | 0       | 0%             | 0%                 |                        |                        | 03-¥sy-23                  | 19-May-23                  |                        | 19-May-23              | 03-Apr-23                | 13-Apr-23                 | 0 *                       |       |       |                      |          | ( <b>  (</b> h       | 1          |                     |             |                 |
| ubstructure Construction (Water Tanks, Pump Room and Blower Room)   |              |         | DN-            |                    |                        |                        | 20-Vey-23                  |                            | 20-May-23              | 29-Nov-23              |                          |                           | 0                         |       |       |                      |          | 8 I N.               |            |                     |             |                 |
| 30:S3.1170a Construction of File Cap (Grid 3-4)(830m3, 4 pour)  | 4'           | 0       | DS-            | 0%                 |                        |                        | 20-9ay-23                  |                            | 20-May-23              |                        |                          |                           | 0 '                       | _     |       |                      |          | i                    | <b>-</b>   |                     | . J. J. J.  |                 |
| 3C.S3.1170a10 Removal of 4th Walling & Struts   | 7            | 0       | DS-            | 0%                 |                        |                        | 11-Jui-23                  | 18-Jul-23                  | 11-Jul-23              | 18-Jul-23              |                          |                           | 0 '                       |       |       |                      |          |                      |            |                     |             |                 |
| IC S3.1170a20 RC Wall Construction from -5.0mPD to -3.8mPD (150m3 1 pour)   | 24           | 0       | 0%             | 0%                 |                        |                        | 19-Jui-23                  |                            | 19-Jul-23              | 15-Aug-23              |                          |                           | 0 .                       |       |       |                      |          | i                    | 1          |                     |             |                 |
| IC S3.1170a30 Removal of 3rd Walling & Stuta  | 7            | 0       | 0%             | 0%                 |                        |                        | 18-Aug-23                  |                            |                        | 23-Aug-23              |                          |                           | 0 .                       | _     |       |                      |          |                      |            |                     |             |                 |
| 3C.S3.1170a40 Construction of Pile Cap (Grid 1-3) & RC Wall (Grid 3-4) from -3.8mPD to +0.5mPD(1700m3, 9 pour)  | 50           | 0       | 0%             | 0%                 |                        |                        | 08-Jui-23                  | 04-Sep-23                  |                        | 04-Sep-23              |                          |                           | 0 .                       |       |       |                      |          |                      | टु         |                     |             |                 |
| IC S3.1170a50 Removal of 2nd Walling & Struts   | 9            | 0       | 0%             | 0%                 |                        |                        | 05-Sep-23                  |                            | 05-Sep-23              | 14-Sep-23              |                          |                           | 0 0                       |       |       |                      |          | (                    | <b>C</b>   |                     |             |                 |
| 30.S3.1170e80 RC Well Construction from +0.5mPD to +3.0mPD (\$20m3, 4 pour)   | 24           | 0       | 0%             | 03,                |                        |                        | 15-Sep-23                  | 14-Oct-23                  | 15-Sep-23              | 14-0ct-23              |                          |                           | 0                         |       |       |                      |          | :                    | Ē. 1       |                     |             |                 |
| IC S3.1170a70 Removal of 1st Walling & Struts<br>IC S3.1170a80 RC Walliand Room Stab Construction from +3.0mPC to +4.60mPD (530m3, 3 pp.r.)                 | 9            | 0       | 0%<br>0%       | 0%                 |                        |                        | 16-0ct-23<br>27-0ct-23     | 26-Oct-23<br>29-Nov-23     | 16-0ct-23<br>27-0ct-23 | 26-0ct-23<br>29-Nov-23 |                          |                           | 0 .                       |       |       |                      |          |                      |            |                     |             |                 |
| IC.S3.1170e80 RC Wall and Floor Stab Construction from +3.0mPD to +4.60mPD (330m3, 3 pour)<br>ubstructure Construction (Switchroom, hist Well and DOU Roem) | 29           | 0       |                | 0%                 |                        |                        |                            |                            |                        |                        |                          |                           | 0 .                       |       |       |                      |          |                      |            |                     | 1 1 1       |                 |
|   | 48           |         | DS-            | D.F                |                        |                        | 03-0ct-23                  | 11-Jar-24                  | 05-Oct-23              | 11-Jan-24              |                          |                           | J .                       |       |       |                      |          | (   II               | L          |                     |             |                 |
| IC.S3.1180a Installation of Shoet Files Wall<br>IC.S3.1180a10 Excervation Work  | 15           | 0       | 0%<br>0%       | 0%                 |                        |                        | 03-0cl-23<br>27-0cl-23     | 24-0c1-23<br>15-Nov-23     |                        | 26-0cl-23<br>15-Nov-23 |                          |                           | 2 .                       |       |       |                      |          | e                    |            |                     |             |                 |
| IC.S3.1180a10 Excession Work<br>IC.S3.1180a20 Construction of Pile Cap (280m3, 2 pour)  | 21           | 0       | 0%             | 0%                 |                        |                        | 27-0cl-23<br>16-Nor-23     | 15-N09-23<br>09-Dec-23     | 27-06023<br>16-Nov-23  | 15-Noy-23<br>09-Dec-23 |                          |                           | 0 .                       |       |       |                      |          |                      | 1 📫        |                     |             |                 |
| IC.S3.1180a20 Construction of Pile Cap (280m3, 2 pour)<br>IC.S3.1180a30 Construction of Wall and Ground State (150m3, 1 pour)                               | 21           | 0       | 0%             | 0%                 |                        |                        | 16-N09-23<br>11-Dec-23     | 30-Dec-23                  | 16-Nov-23<br>11-Dec-23 | 30-Dec-23              |                          |                           | 0 .                       |       |       |                      |          |                      |            |                     |             |                 |
| IC.S.116630 Constitution of war and shore state ( some, 1 publ)   | 10           | 0       | 0%             | 0%                 |                        |                        | 02-Jan-24                  |                            |                        | 11-Jan-24              |                          |                           | 0 *                       |       |       |                      |          | :                    |            |                     |             |                 |
| Interstructural Construction (Grid B - F)   | "            | u .     | 0%             |                    |                        |                        | 30-Vor-23                  | 08-Feb-24                  | 30-Nov-23              | 08-Feb-24              |                          |                           | 0                         |       |       |                      | 11       | (   I                | - I -      | <b>F</b>            |             |                 |
| C.S3.1190a Viali and Column Construction from +4.55mPD to ~10.25mPD (290m3, 2 pour)   | 47           | Û       | 0%             | 0%                 |                        |                        | 30-Vor-23                  |                            | 30-Nov-23              |                        |                          |                           | 0 *                       |       | -+    | ++++                 |          | i - H                | L <b>-</b> |                     |             |                 |
| IC.S3.1190a10 Vitall, Column and Roof Sate Construction from +10.25mPD to +13.55mPD (900m3.4 pour)  | 25           | 0       | 0%             | 0%                 |                        | -                      | 11-Jan-24                  | 08-Feb-24                  | 11-Jan-24              |                        |                          |                           | 0 .                       |       |       |                      |          | :                    |            |                     |             |                 |
| perstructural Construction (Drid A-B)   |              |         | 0%             |                    |                        |                        | 13-Jan-24                  | 29-Fob-24                  | 13-Jan-24              | 29-Fob-24              |                          |                           | 0                         |       |       |                      |          |                      |            |                     |             |                 |
| C.S3.11900 Vital, Column and Stab Construction from +4.65mPD to +8.95mPD (150mS, 1 pour)  | 19           | 0       | 0%             | 0%                 |                        |                        | 13-Jan-24                  | 03-Feb-24                  |                        | 03-Feb-24              |                          |                           | 0 .                       |       |       |                      |          | 8                    |            |                     |             |                 |
| C.S3.1190o10 Wall, Column and Roof Construction from +6.95mPD to +13.55mPD (210m3, 1 pour)  | 19           | 0       | 0%             | 0%                 |                        |                        | 05-Feb-24                  | 29-Feb-24                  | 05-Feb-24              | 29-Feb-24              |                          |                           | 0 *                       |       |       |                      |          |                      |            |                     |             |                 |
| csign Submission  |              |         | 91.03%         |                    | 01-Jun-21              |                        | 01-Jan-21 A                | 30-Apr-23                  |                        | 04-Jun-28              | 08-Jun-21                | 27-Feb-23                 | 35                        |       |       |                      |          | -                    | ÷.         |                     |             |                 |
| CS3.1220 Updating of Foundation and Pile Cap Design based on Technical Proposal   | 97           | 0       | 100%           | 100%               | 01-Jun-21              | 06-Sep-21              | 01-Jun-21 A                | 06-Sep-21 A                |                        |                        | 08-Jun-21                | 13-Sep-21                 |                           |       | فبببا | ш. П                 |          | i                    |            |                     |             |                 |
| C S3.1230 Other substructures and Superstructs Design   | 387          | a       | 100%           | 100%               | 69-Jan-22              | 28-Feb-23              | 09-Jan-22 A                | 28-Feb-23 A                |                        |                        | 08-Jan-22                | 29-Dec-22                 |                           |       |       |                      |          | <b></b>              | 4          |                     |             |                 |
| 0C.S3.1270 Architecture & Landscaping Desgn   | 578          | 0       | 89.27%         | 70%                | 30-Sep-21              |                        | 30-Sep-21 A                | 30-Apr-23                  | 04-Apr-23              | 04-Jun-28              | 30-Srp-21                | 27-Feb-23                 | 35                        |       |       |                      |          |                      | <u></u>    |                     |             |                 |
| MWorks  |              |         | D%             |                    |                        |                        | 09-Feb-24                  | 02-Aug-24                  | 09-Feb-24              | 02-Aug-24              | 31-Oci-23                | 19-Apr-24                 | 0                         |       |       |                      |          | : []                 |            |                     |             |                 |
| C.S3.1210 E&H. Mechanical Installation (MBR: Air Blower DO system, Pamp etc.)   | 80           | 10      | 0%             | 0%                 |                        |                        | 09-Feb-24                  | 03-Jur-24                  | 09-Feb-24              | 03-Jun-24              | 31-Ocl-23                | 16-Feb-24                 | 0                         |       |       | 1111                 |          |                      | -          |                     | 1111        |                 |
| C.S3.1210a Electrical Installation (Cable, Instrument, PLC Planet LVSB, etc)  | 80           | 10      | 0%             | 0%                 |                        |                        | 09-Feb-24                  | 03-Jur-24                  | 09-Feb-24              | 03-Jun-24              |                          |                           | 0                         |       |       |                      |          | : N                  |            |                     |             |                 |
| C.S3.1210b Installation of BS Equipment   | 45           | 5       | 0%             | 0%                 |                        |                        | 13-Mar-24                  | 16-h/ay-24                 |                        | 03-Jun-24              |                          |                           | 15                        |       |       |                      |          | ÷                    |            | . <del>.</del>      |             |                 |
| C.S3.1210c Installation of Lifting Applicance   | 45           | 5       | 0%             | 0%                 |                        |                        | 13-Mar-24                  | 16-May-24                  |                        | 03-Jun-24              |                          |                           | 15                        | _     |       |                      |          |                      |            | 5 <b></b>           |             |                 |
| C.S3.1220a SCADA System Site Acceptance Test (Prase 1 MBR Construction)   | 30           | 0       | 0%             | 0%                 |                        |                        | 14-Ap+-24                  | 13-May-24                  |                        |                        | 30-Nov-23                | 29-Dec-23                 | 30                        |       |       | 1111                 |          |                      | r+         |                     |             |                 |
| C.S3.1220b SCADA System Commissioning Test (Phase 1 MBR Construction)   | 30           | 0       | 0%             | 0%                 |                        |                        | 13-Jun-24                  | 12-Jul-24                  | 13-Jin-24              | 12-Jul-24              | 29-Jan-24                | 27-Feb-24                 | 0                         |       |       |                      |          | <u> (     </u>       |            |                     |             |                 |
| C.S3.1230b Seeding of MBR System  | 30           | 0       | DN-            | 0%                 |                        |                        | 04-Jun-24                  |                            |                        | 03-Jul-24              | 20-Feb-24                | 19-Apr-24                 | 0                         |       |       |                      |          | : NI                 |            |                     |             |                 |
| C.53.1230c System Commissioning Test  | 30           | 0       | D%-            | 0%                 |                        |                        | 04-Jui-24                  | v                          |                        | 02-Aug-24              |                          |                           | 0                         |       |       |                      |          |                      |            |                     | -           |                 |
| ernal Architectural Works   |              |         | DN-            |                    |                        |                        | 09-Feb-24                  | 29-Apt-24                  | 16-Mar-24              | 03-Jun-24              | 31-OcH23                 | 01-Feb-24                 | 28                        |       |       |                      |          | : / I                |            | T                   |             |                 |
| G.83.1200 Archilectural Works (Internal)  | 60           | 2       | 0%             | 0%                 |                        |                        | 09-Feb-24                  | 29-Apr-24                  | 16-Mar-24              |                        | 31-Oci-23                | 0'-Feb-24                 | 28                        |       |       |                      |          | : <b>(</b>           |            |                     |             |                 |
| nstruction of Sludge Digestor Building with 3 Sludge Holding Tanks<br>ocurement, Fabrication and Delivery of Major E&M Equipment                            |              |         | 89.88%         |                    | 31-May-21              |                        | 31-May-21 A                | 29-Nov-23                  | 12-Mar-23              |                        | 31-May-21                | 11-Nov-23                 | 18                        |       | 11    |                      |          | · \                  |            |                     |             |                 |
| curement, Fabrication and Delivery of Major EBM Equipment C.SS.1235a Tendering of Subcontrator  | 45           | 0       | 75.83%<br>100% | 100%               | 12-Jul-21<br>12-Jul-21 | 35 Aug 31              | 12-Jul-21 A<br>12-Jul-21 A | 05-Sep-23<br>25-Aug-21 A   | 12-Mar-23              | 01-001-23              | 12-Jul-21<br>12-Jul-21   | 18-Apr-23<br>25-Aup-21    | 26                        |       |       |                      |          | i   N                |            |                     |             |                 |
|   | 45           | 0       | 92.65%         | 85%                | 12-JU-21<br>10-Aug-21  | 25-Aug-21              | 12-JUE21 A<br>10-Aug-21 A  | 25-ALG-21 A<br>13-Apr-23   | 13 Mar 22              | 15 Acr 22              | 12-301-21<br>10-Aug-21   | 25-Aug-21<br>18-Oct-22    | 12                        |       | 1     |                      | 1 1 1    |                      |            |                     |             |                 |
| 2.83.1235b Equipment Submission and Approval  | 420          | u       | 100%           | 03.36              | 10-Aug-21<br>31-Jan-22 | 31-Jan-22              | 10-80g-21 A<br>31-Jan-22 A | 13-Apr-23<br>31-Jan-22 A   | -2-Mar-23              | 23-901-23              | 10-Aug-21<br>10-Nov-21   | 18-001-22<br>10-Nov-21    | 12                        |       |       |                      |          |                      |            |                     |             |                 |
| C.S3.1240a1 Stucce Dicester Feed Pump and Dicested Studge Pump  | 4            | 0       | 100%           | 107%               | 31-Jan-22<br>31-Jan-22 | 31-Jan-22<br>31-Jan-22 | 31-Jan-22 A<br>31-Jan-22 A | 31-Jan-22 A<br>31-Jan-22 A |                        |                        | 10-309-21                | 104Nov-21<br>104Nov-21    |                           |       |       | HH                   |          | ÷N                   |            | ┢╾┿╺┾┽╸┢╌╍╴         |             |                 |
| S3.1240a1 Slucge Digester Feed Pump and Digested Sludge Pump     S3.1240a10 Slucge Digester Air Blover  | 1            | 0       | 100%           | 107%               | 31-Jan-22<br>31-Jan-22 | 31-Jan-22<br>31-Jan-22 | 31-Jan-22 A<br>31-Jan-22 A | 31-Jan-22 A<br>31-Jan-22 A |                        |                        | 10-309-21                | 104Nov-21<br>104Nov-21    |                           |       |       | an li                |          | : I 1                |            |                     |             |                 |
| 2.53.1240a10 Shidge Digester Ar Bibler<br>2.53.1240a11 Air Diffuser for Sludge Digester   | 1            | 0       | 100%           | 107%               | 31-Jan-22<br>31-Jan-22 | 31-Jan-22              | 31-Jan-22 A<br>31-Jan-22 A | 31-Jan-22 A                |                        |                        | 10-309-21                | 104Nov-21                 |                           |       |       |                      | 11       | :                    |            |                     |             |                 |
| 2.53.1240a1 Par bindge orgester<br>2.53.1240a2 Subnersible Mixer for Digested Studge Holding Tank   | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-309-21                | 10-Nov-21                 |                           |       |       | 1. HU                |          | e                    | - 1   I    |                     |             |                 |
| 1.53.1240a2 contensite when or orgenerating name  | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       | 4,00                 |          |                      |            |                     |             |                 |
| 153.1240a/ LV Switchos rds, Motor Control Centers and Associated Components   | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 8                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       | 40 H                 | 1        | e h H                |            | 1-11 1 1-1          |             |                 |
| 1.53.1240a5 Variable Speed Drive (VSD)  | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       | 40]6                 |          | :                    |            |                     |             |                 |
| 1.53.1240e6 Cable   | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       | 4010                 |          |                      |            |                     |             |                 |
| :S3.1240a7 Pipe Work/Valve  | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       |                      |          | :                    |            |                     |             |                 |
| 1.53.1240a8 Instrument  | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       |                      |          | :                    |            |                     |             |                 |
| 1S3.1240a9 Lifting Appliance  | 1            | 0       | 100%           | 100%               | 31-Jan-22              | 31-Jan-22              | 31-Jan-22 A                | 31-Jan-22 A                |                        |                        | 10-Nov-21                | 10-Nov-21                 |                           |       |       | 5. U                 |          |                      |            |                     | 1111        |                 |
| rization  |              |         | 87.35%         |                    | 01-Feb-22              |                        | 01-Feb-22 A                | 05-Sep-23                  | 23-Mar-23              | 01-0ct-23              | 01-Feb-22                | 15-Jan-23                 | 26                        |       |       | ×                    |          | -++                  | <u> </u>   |                     |             |                 |
| 183.1240o1 Slucge Digester Feed Pump and Digested Sludge Pump   | 239          | 0       | 100%           | 100%               | 01-Feb-22              | 28-Sep-22              | 01-Feb-22 A                | 28-Sep-22 A                |                        |                        | 01-Feb-22                | 28-Sep-22                 |                           |       |       | (     <del>   </del> |          | ,                    |            |                     |             |                 |
| C.S3.1240o10 Sluppe Digester Air Blower   | 189          | 0       | 100%           | 100%               | 01-Feb-22              | 20-Jul-22              | 01-Feb-22 A                | 20-Jul-22 A                |                        |                        | 31-Jul-22                | 15-Jan-23                 |                           |       |       |                      | <u> </u> | <u>+</u>             |            |                     |             |                 |
| C.S3.1240b11 Air Diffuser for Sludge Digester   | 240          | 0       | 100%           | 100%               | 01-Feb-22              | 28-Sep-22              | 01-Feb-22 A                | 28-Sep-22 A                |                        |                        | 01-Feb-22                | 28-Sep-22                 |                           |       |       |                      |          |                      |            |                     |             |                 |
| 0C.S3.1240t2 Submensible Mixer for Digested Studge Holding Tank   | 164          | 0       | 100%           | 100%               | 01-Feb-22              | 15-Jul-22              | 01-Feb-22 A                | 15-Jul-22 A                |                        |                        | 01-Feb-22                | 14-Jul-22                 |                           |       |       | 11                   | -        |                      |            |                     |             |                 |
| 3C S3.1240s3 Decidorization Unit 4  | 437          | 0       | 89.7%          | 90%                | 01-Feb-22              |                        | 01-Feb-22 A                | 13-Apr-23                  | 06-Apr-23              | 20-May-23              | 01-Feb-22                | 29-Dec-22                 | 37 *                      |       |       | )     <del>   </del> |          |                      | 4          |                     |             |                 |
| T   |              |         |                |                    |                        |                        |                            |                            |                        |                        |                          |                           |                           |       |       |                      |          |                      | Date       | Revisio             | n Cheo      | c Appr          |
|   | DC/201       | 9/07 OL | JTLYING        | ISLAND             | S SEWER                | AGE STA                | GE2 - UPG                  | RADING C                   | of Cheu                | NG CHA                 | U SEWAG                  | GE TREAT                  | MENT AN                   | DISP( | OSAL  | FACILI               | TIES     | -                    |            | Rev. 20             | - 0180      |                 |
| Primary Baseline  |              |         |                |                    |                        |                        |                            |                            |                        |                        |                          |                           |                           |       |       |                      |          | 130                  | 0-Nov-22   |                     | IJL         | CL              |
| Primary Baseline<br>Actual Work   |              |         |                |                    |                        | REVISE                 | D PROGR                    | AMME -                     | REV. 2                 | 2 (28 F4               | hruary 3                 | 2023)                     |                           |       |       |                      |          |                      |            |                     |             |                 |
| Actual Work   |              |         |                |                    |                        | REVISE                 | D PROGR                    |                            |                        | 2 (28 Fe               | bruary 2                 | 2023)                     |                           |       |       |                      |          | 31                   | 1-Dec-22   | Rev. 21             | JL          | CL              |
| Actual Work Remaining Work  |              |         |                |                    |                        | REVISE                 | D PROGR                    |                            | REV. 2<br>6 of 13)     | 2 (28 Fe               | bruary 2                 | 2023)                     |                           |       |       |                      |          | 31                   |            |                     | JL<br>JL    | CL<br>CL        |
| Actual Work   |              |         |                |                    |                        | REVISE                 | D PROGR                    |                            |                        | 2 (28 Fe               | bruary 2                 | 2023)                     |                           |       |       |                      |          | 31                   | 1-Dec-22   | Rev. 21             | JL<br>JL    |                 |



| ty ID  | Addylty Name   | Orl, Dur (d)              | TRA /d | Time Elensed N               | Actual               | Actual Start                        | Actual Finish                                  | Early Start  | Early Finish                                     | Late Start             | Late Finish            | Early Start (Rev.       | Early Finish Tetal Amende                  | ed 2021 2022 2023 2024 2025 2026  |
|--|--|---------------------------|--------|------------------------------|----------------------|-------------------------------------|--|--|--|------------------------|------------------------|-------------------------|--|---|
| .,   |  |                           |        | The Capacity                 | Workdone 5           |                                     | Provide Thinks                                 |  |  |                        |                        | 20)                     | (Rav. 20) Float Activitie                  | es Q1 02 03 04 01 02 03 Q4 Q1 02 03 Q4 Q1 02 03 Q4 Q1 Q2 Q3 04 01 02 03 Q4 Q1 Q2 Q3   |
| DC.S3.124064   | LV Switchoosids, Motor Control Centers and Associated Components   | 512                       | 0      | 76.58%                       | 76%                  | 01-Feb-22                           |  | 01-Feb-22 A  | 27-Jur-23  | 15-Apr-23              | 12-Aug-23              | 01-Feb-22               | 27-Sep-22 46 *                             |   |
| DC.S3.124055   |  | 190                       | 0      | 100%                         | 100%                 | 01-Feb-22                           | 30-Jul-22                                      | 01-Feb-22 A  | 30-Jul-22 A                                      |                        |                        | 01-Feb-22               | 30-Jul-22                                  |   |
| DC.S3.124066   | Cable  | 240                       | 9      | 100%                         | 100%                 | 01-Feb-22                           | 28-Sep-22                                      | 01-Feb-22 A  | 28-Stp-22 A                                      |                        |                        | 01-Feb-22               | 28-Sep-22                                  |   |
| DC.S3.124067   |  | 351                       | 0      | 100%                         | 100%                 | D1-Feb-22                           | 28-Jan-23                                      | 01-Feb-22 A  | 28-Jan-23 A                                      |                        |                        | 01-Feb-22               | 14-Dec-22                                  |   |
| DC.S3.1240s8<br>DC.S3.1240s9   |  | 572                       | 0      | 68.52%<br>67.35%             | 68%<br>67%           | 01-Feb-22<br>01-Feb-22              |  | 01-Fab-22 A<br>01-Fab-22 A                             | 26-Aug-23<br>05-Sep-23                           | 23-Mar-23<br>26-Mar-23 | 18-Sep-23<br>01-Ocl-23 | 01-Feb-22<br>01-Feb-22  | 14-Dec-22 23 14-Dec-22 26                  |   |
| DC:S3.124059   | Lifing Applance  | 552                       | 9      | 67.35%<br>89.12%             | 6/%                  | 24-May-22                           |  | 01-Heb-22 A<br>24-May-22 A                             | 05-SEP-23  | 26-Mar-23<br>21-May-23 | 01-00-23               | 01-He0-22<br>24-May-22  | 14-060-22 26                               |   |
| Civil & Structura  | al Works   |                           |        | 76.04%                       |                      | 24-May-22<br>31-May-21              |  | 24-May-22 A<br>31.54m-21 A                             | 16-Sep-23  | 21-May-25<br>17-May-25 | 07-04-23               | 24-bidy-22<br>31-May-21 | 25 May 23 21                               |   |
| DC.83.1250   | She Preparation Works for Piling (including removal of existing Studge Tank)   | 38                        | 4      | 100%                         | 100%                 | 31-May-21                           | 17-Jul-21                                      | 31-May-21 A  | 17-JUE21 A                                       | Trindices              | 01-00-20               | 31-May-21               | 17-36-21                                   |   |
| DC.S3.1280a  | Subjecting of Supply and installation of ELS   | 29                        | 0      | 100%                         | 100%                 | 01-Aug-21                           | 29-Aug-21                                      | 01-Aug-21 A  | 29-Aug-21 A                                      |                        |                        | 01-Aug-21               | 28-Aup-21                                  |   |
| DC.S3.1280a10  | Preimnary Pie and Pie Load Test  | 45                        | 3      | 100%                         | 100%                 | 12-Jul-21                           | 06-Sep-21                                      | 12-Jul-21.A  | 06-Sep-21 A                                      |                        |                        | 03-Dec-21               | 04-Feb-22                                  |   |
| DC.SS.1283b  | Piling works for pre-bored sockel H-piles (37 ros. die610, fiteem)   | 79                        | 4      | 100%                         | 100%                 | 23-Jul-21                           | 01-Nov-21                                      | 23-Jul-21.A  | 01-Nov-21 A                                      |                        |                        | 15-Dec-21               | 28-Mar-22                                  |   |
| DC.53.1290a  | Pre-boring for instalation of sheet piles  | 122                       | 1      | 100%                         | 100%                 | 01-Nov-21                           | 31-Mar-22                                      | 01-Nov-21 A  | 31-Mer-22 A                                      |                        |                        | 01-Nov-21               | 30-Mar-22                                  |   |
| DC.53.1290b  | Installation of sheet piles (FSPVL)  | 25                        | 2      | 100%                         | 107%                 | 01-Apr-22                           | 10-May-22                                      | 01-Apr-22 A  | 10-Way-22 A                                      |                        |                        | 01-Apr-22               | 07-May-22                                  | ╺──┫╺╺┥╼╽╸┟╠┟╁╶╢╩ <mark>╌</mark> ╸┥╸┥╸┥╸┥┥┥╸╸ <mark>┟╴╋╸╞┾┊╞╞╸╸╸</mark> ┥╸┽╸┾╺╺╶┝╺╎╸╸   |
| DC 53 1300   | Excavation for basement of Studge Digestor Building (3425m3 exca, 1 team)  | 111                       | 2      | 100%                         | 107%                 | 10-May-22                           | 22-Stp-22                                      | 10-May-22 A  | 22-Sto-22 A                                      |                        |                        | 10-May-22               | 2'-Sep-22                                  |   |
| DC.S3.1310a  | Subethin of Rebar Fixing   | 45                        | 0      | 100%                         | 100%                 | 25-Nov-21                           | 19-Jan-22                                      | 25-Nov-21 A  | 19-Jan-22 A                                      |                        |                        | 25-Nov-21               | 19-Jan-22                                  |   |
| DC.S3.1310b  | Subjecting of Formworks, Concretor and Miscellaneous Works   | 45                        | 0      | 100%                         | 100%                 | 25-Nov-21                           | 19-Jan-22                                      | 25-Nov-21 A  | 19-Jan-22 A                                      |                        |                        | 25-Nov-21               | 18-Jan-22                                  |   |
| DC \$31312c  | Construction of Pile Cap. (Grid 2-4)   | 64                        | 2      | 100%                         | 100%                 | 20-Sec-22                           | 08-Dec-22                                      | 20-Sep-22 A  | 08-Dec-22.6                                      |                        |                        | 20-Sep-22               | (8-Dec-22                                  |   |
| DC.SS.1310d  | Removal of Formwork and Backfilling and Removal of ELS (Laver 3)   | 23                        | 0      | 100%                         | 100%                 | 09-Dec-22                           | 03-Jan-23                                      | 09-Dep-22 A  | 03-Jan-23 A                                      |                        |                        | 09-Dec-22               | 24-Dec-22                                  | ╺╾┫╸┑╸╸╞╞╢╡╢╢╕┑┑┑┊╗╻┦┥╡╸╻┟╴╢╸╢╸╞╴╸┝┑╴┥╸┼╸┼╸╴╸   |
| DC.S3.1312e  | Construction of Underground Well (Grid 2-4) (from -1.2mPD to +1.0 mPD)   | 23                        | 0      | 100%                         | 100%                 | 04-Jan-23                           | 01-Feb-23                                      | 04-Jan-23 A  | 01-Feb-23 A                                      |                        |                        | 27-Dec-22               | 20-Jan-23                                  |   |
| DC 53 1310f  | Removal of Formwork and Backfilling and Removal of ELS (Layer 2)   | 15                        | 0      | 100%                         | 100%                 | 02-Feb-23                           | 18-Feb-23                                      | 02-Feb-23 A  | 18-Feb-23 A                                      |                        |                        | 21-Jan-23               | 06-Eeb-23                                  |   |
| DC.S3.1310g  | Construction of Underground Wall (Grid 2-4) (from +1.0mPD to +3.1mPD)  | 22                        | 0      | 22.72%                       | 31%                  | 20-Feb-23                           |  | 20-Feb-23 A  | 18-Har-23  | 17-Mar-23              | 06-Apr-23              | 07-Feb-23               | 27-Feb-23 15                               |   |
| DC.S3.1310h  | Removal of Formvork and Backfilling and Removal of ELS (Layer 1)   | 6                         | 0      | 0%                           | 0%                   |                                     | -  | 20-Mar-23  | 25-Har-23  |                        | 17-Apr-23              | 28-Feb-23               | 14-Mar-23 15                               |   |
| DC.S3.1310   | Construction of ground state (Grid 2-4) (from +3.1mPD to +4.4mPD, 180m3, 1 pour)   | 22                        | 0      | 0%                           | 0%                   |                                     |  | 27-Mar-23  | 25-4pt-23  |                        | 22-blay-23             | 15-Mar-23               | 28-Apr-23 22                               |   |
| DC.S3.1330   | Installation of ELS and excavation for pile cap of Sludge Holding Tanks (523xr3)   | 6                         | 0      | 0%                           | 0%                   |                                     |  | 17-Jul-23  | 22-Jul-23  | 04-44-9-23             | 10-Aug-23              | 15-Mar-23               | 2'-Mar-23 16                               |   |
| DC.S3.1340   | Construction of RC structure of Sludge Holding Tanks (below ground, 210m3, 1 pour)   | 12                        | 0      | 0%                           | 0%                   |                                     |  | 24-Jui-23  | 05-Aug-23  |                        | 24-Aug-23              | 22-Mar-23               | 04-Apr-23 16                               |   |
| DC.\$3,1350  | Removal of Formwork and Backfilling to ground level and removal of ELS (Studge Holding Tank)   | 6                         | 0      | 0%                           | 0%                   |                                     |  | 07-Aug-23  | 12-Aug-23  | 25-ALg-23              | 31-Aug-23              | 0E-Apr-23               | 19-Apr-23 16 *                             |   |
| DC.\$3.1351  | Construction of RC superstructure (Sludge Holding Tank) (\$75m3, 2 pour)   | 30                        | 0      | 0%                           | 634                  |                                     |  | 14-Aut-23  | 16-Sep-23  |                        | 07-0ct-23              | 20-Apr-23               | 25-May-23 16 1                             |   |
| DC.S3.1360a  | Construction of RC Wall (Gride 2-4) (from +4.4mPD to +9.15mPD, 100m3, 1 ptur)  | 24                        | 0      | D%                           | 636                  |                                     |  | 26-Ap23  | 24-May-23  |                        | 20-Jun-23              |                         | 22 *                                       | ╶╴╢╴╺╌┥╸╞╎╡╡╡╢┊╴┥╴┑┝╲┫╍╔┨╴╶╎╴╢╸╞╴┥╸╞╸╸╸┝╌╸╸╸╸╸╸╸╸   |
| DC.S3.1360b  | Construction of RC Wall (Gride 2-4) (from +9.25mPD to +12.3mPD, 60m3, 1 pour)  | 23                        | 0      | D%                           | 0%                   |                                     |  | 25-Hav-23  | 17-Jur-23  | 21-Jun-23              | 15-Jul-23              |                         | 22 *                                       |   |
| DC.S3.1360c  | Construction of RC Roof State (Gride 2-4) (230m8.1 pour)   | 18                        | 0      | 0%                           | 0%                   |                                     |  | 19-Jun-23  | 08-Jul-23  | 17-Jul-23              | 03-Aug-23              |                         | 22 *                                       |   |
| DC.S3.1363d  | Installation of ELS and excavation for subtrhuctures of Studge Digestor Building (Gride 1-2)   | 8                         | 0      | 0%                           | 0%                   |                                     |  | 29-Mar-23  | 11-401-23  | 20-Apr-23              | 28-Apr-23              |                         | 15 *                                       |   |
| DC.S3.1360e  | Construction of RC oile cap (Grid 1-2) (65m3. 1 pour)  | 12                        | 0      | 0%                           | 0%                   |                                     |  | 12-Apr-23  | 25-Apt-23  | 29-Apr-23              | 13-May-23              |                         | 15 •                                       |   |
| DC.\$3,1360f   | Construction of RC ground sisb (Gride 1-2) (80m3, 1 pour)  | 18                        | 0      | 0%                           | 0%                   |                                     |  | 26-Ap-23   | 15-May-23  | 15-May-23              | 02-Jun-23              |                         | 15   |   |
| DC.S3.1360g  | Backfilling to ground level and removal of ELS (Gride 1-2)   | 6                         | 0      | 0%                           | 636                  |                                     |  | 16-Vav-23  | 22-biav-23                                       | 03-Jun-23              | 09-Jun-23              |                         | 15 *                                       |   |
| DC.S3.1360h  | Construction of RC Wall and Sixb (Gride 1-2) (from +4 AmpD to +9, 15mpD) (90m3, 1 pour)  | 2'                        | a      | 0%                           | 03,                  |                                     |  | 23-Vey-23  | 16-Jur-23  | 10-Jin-23              | 06-Jul-23              |                         | 15 *                                       |   |
| DC.S3.1360i  | Construction of RC Vit   (Gride 1-2) (from +9, 15mpD to +12.3mpD) (35m3, 1 pour)   | 17                        | a      | 0%                           | 63                   |                                     |  | 17-Jun-23  | 08-Jul-23  |                        | 26-Jul-23              |                         | 15 *                                       |   |
| DC.53.1360j  | Construction of RC Roof Stab (Gride 1-2) (110m3) (110m3, 1 pour)   | 17                        | 0      | D%                           | 0%                   |                                     |  | 10-Jul-23  | 28-Jul-23  | 27-Jul-23              | 15-Aug-23              |                         | 15 *                                       |   |
| E&M Works  |  |                           |        | D.W.                         |                      |                                     |  | 10-Aug-23  | 29-Nov-23  | 28-Aug-23              | 17-Dec-23              | 26-Jul-23               | 11-Nov-23 18                               |   |
| DC.83.1360a  | Installation of Submonsible Wixer, Air Blover, Air Diffuser, Food Pump, DOU  | 58                        | -0     | 0%                           | 0%                   |                                     |  | 10-Aug-23  | 18-Oci-23  | 28-Asg-23              | 03-Nov-23              | 26-Jul-23               | 28-Sep-23 15                               |   |
| DC.83.1380b  | Installation of Cable Containment & Conduit  | 25                        | 0      | 0%                           | 0%                   |                                     |  | 10-Aug-23  | 07-Sep-23  | 28-46-9-23             | 25-Sep-23              | 26-Jul-23               | 23-Aug-23 15                               |   |
| DC.\$3.1380c   | Instellation of BS Equipment, Cable, Instrument, P. C Panel  | 43                        | 0      | 0%                           | 0%                   |                                     |  | 25-Aug-23  | 18-Oct-23  | 12-Sep-23              | 03-Nov-23              | 10-Aug-23               | 28-Sep-23 15                               |   |
| DC.S3.1380c10  | Installation of Lifting Applicance   | 25                        | 0      | 0%                           | 0%                   |                                     |  | 02-Sep-23  | 26-Sep-23  | 10-0ct-23              | 03-Nov-23              |                         | 38 *                                       |   |
| DC.S3.1360d  | SAT of Equipment   | 7                         | 9      | 0%                           | 0%                   |                                     |  | 17-0ct-23  | 25-Oct-23  | 04-Nov-23              | 11-Nov-23              | 29-Sep-23               | 12-Out-23 15                               |   |
| DC.53.1360d10  | Seeding for sludge digestion system  | 14                        | 0      | DN-                          | 0%                   |                                     |  | 17-0ct-23  | 30-OcI-23  | 04-Nov-23              | 17-Nov-23              |                         | 18 *                                       |   |
| DC.53.1390a  | SCADA System Site Acceptance Test (Prese 1 Studge Digestor Building Construction)  | 32                        | 0      | DN-                          | 8%                   |                                     |  | 09-Sep-23  | 05-OcI-23  | 19-Oct-23              | 17-Nov-23              | 25-Aug-23               | 23-Sep-23 40                               |   |
| DC.53.1390b  | SCADA System Commissioning Test (Phase 1 Sudge Digestor Building Construction)   | 32                        | 0      | D.W                          | 0%                   |                                     |  | 09-0cl-23  | 07-Nov-23  | 18-Nov-23              | 17-Dec-23              | 24-Sep-23               | 23-Oct-23 40                               |   |
| DC.83.1400b  | System Commissioning Test  | 30                        | 0      | 0%                           | 0%                   |                                     |  | 31-00-23   | 29-Nov-23  | 18-Nov-23              | 17-Dec-23              | 13-Oci-23               | 11-Nov-23 18                               |   |
| Internal Architec  |  |                           |        | 0%                           |                      |                                     |  | 18-Jui-23  | 03-Oct-23  | 04-Asg-23              | 20-001-23              | 26-Jul-23               | 10-Nov-23 15                               |   |
| DC.\$3.1370  | Architectural Works (Internal)   | 63                        | 2      | 0%                           | 0%                   |                                     |  | 18-Jui-23  | 03-Oct-23  | 04-Aug-23              |                        | 26-Jul-23               | 10-Nov-23 15                               |   |
|  | of LV Main Switch Room, Transformer Room   |                           |        | 78.28%                       |                      | 12-Jul-21                           |  | 12-Jul-21 A  | 02-Aug-23  | 09-Mar-23              | 17-Dec-23              | 12-Jul-21               | 02-Aug-23 137                              |   |
|  | abrication and Delivery of Major E&M Equipment   |                           |        | 97.39%                       |                      | 12-JU-21                            |  | 12-Jul-21 A  | 15-9ar-23  | 20-Aug-23              | 04-Sep-23              | 12-Jul-21               | 18-Mey-23 173                              |   |
| DC.SS.1405a  | Tendering of Subcontrator  | 45                        | 0      | 100%                         | 100%                 | 12-Jul-21                           | 25-Aug-21                                      | 12-Jul-21.A  | 25-ALG-21 A                                      |                        |                        | 12-Jul-21               | 25-Aug-21                                  |   |
| DC.53.1405b  | Equipment Submission and Approval  | 140                       | 0      | 100%                         | 103%                 | 10-Sep-21                           | 18-Dec-21                                      | 10-Sep-21 A  | 18-Dec-21 A                                      |                        |                        | 10-Sep-21               | 18-Dec-21                                  |   |
| DC.53.1410a  | Procurament  | 30                        | 0      | 100%                         | 107%                 | 14-Feb-22                           | 14-Feb-22                                      | 14-Feb-22 A  | 14-Feb-22 A                                      |                        |                        | 20-\far-22              | 18-Apr-22                                  |   |
| Pebricetion  |  |                           |        | 100%                         |                      | 18-Jan-22                           | 25-Feb-23                                      | 18-Jan-22 A  | 25-Feb-23 A                                      |                        |                        | 18-Jan-22               | 18-May-23                                  |   |
| DC.S3.14106  | Cable  | 247                       | 0      | 100%                         | 100%                 | 18-Jan-22                           | 22-Sep-22                                      | 18-Jan-22 A  | 22-Sep-22 A                                      |                        |                        | 18-Jan-22               | 13-Nov-22                                  |   |
| DC.S3.1410b20  | LV Switchboard, Motor Control Centers and Associated Components  | 118                       | 0      | 100%                         | 100%                 | 31-Oct-22                           | 25-Feb-23                                      | 31-0ct-22 A  | 25-Feb-23 A                                      |                        |                        | 31-Oct-22               | 18-May-23                                  |   |
| Dakery   |  |                           |        | 86.89%                       |                      | 01-Sep-22                           |  | 01-Sep-22 A  | 15-War-23  | 20-Aug-23              | 04-Sep-23              | 14-Nov-22               | 18-Apr-23 173                              |   |
| DC.S3.1410c  | Cable  | 21                        | 0      | 100%                         | 100%                 | 01-Sep-22                           | 22-Sep-22                                      | 01-Sep-22 A  | 22-Sep-22 A                                      |                        |                        | 14-Nov-22               | 13-Dec-22                                  |   |
|  | 20 LV Switchboard, Motor Control Centers and Associated Components   | 15                        | 0      | 11.11%                       | 03,                  | 26-Feb-23                           |  | 26-Feb-23 A  | 15-Har-23  | 20-ALg-23              | 04-Sep-23              | 20-\far-23              | 18-Apr-23 173                              |   |
| Civil & Structura<br>DC.S3.1420  |  |                           |        | 100%                         |                      | 04-Oct-21                           | 31-Jan-23                                      | 04-0ct-21 A  | 31-Jan-23 A                                      |                        |                        | 04-0ci-21               | 31-Jan-23                                  |   |
|  | Piling works for pre-bored sockal H-piles (17 ros. dia210) (1team)   | 54                        | 5      | 100%                         | 100%                 | 15-Oct-21                           | 18-Nov-21                                      | 15-0ct-21 A  | 18-Nov-21 A                                      |                        |                        | 28-Feg-22               | 02-Apr-22                                  | ┉╫╺╺┤╸┥┑┑╗┓╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗╗   |
|  |  | 58                        | 2      | 100%                         | 100%                 | 19-Nov-21                           | 29-Jan-22                                      | 19-Nov-21 A  | 29-Jan-22 A                                      |                        |                        | 04-Apr-22               | 18-Jin-22                                  |   |
| DC.\$3.1430  | Pro-boring of sheet piles & installation of pipe pile wall   | 40                        | 2      | 100%                         | 100%                 | \$1-Jan-22                          | 01-Apr-22                                      | \$1-Jan-22 A   | 01-Apr-22 A                                      |                        |                        | 31-Jan-22               | 01-Apr-22                                  |   |
| DC.S3.1430<br>DC.S3.1431   | Grouting Curtain Works   | 48                        |        | 100%                         | 100%                 | 30-Mar-22                           | 11-Apr-22<br>25-Nov-21                         | 30-Mar-22 A  | 11-Apr-22 A                                      |                        |                        | 30-Mar-22               | 11-Apr-22                                  |   |
| DC.S3.1430<br>DC.S3.1431<br>DC.S3.1450   | Grouting Curtain Works<br>Installation of Sheet Piles  | 8                         | 2      |                              |                      |                                     |  | 04-Oct-21 A  | 25-Nov-21 A                                      |                        |                        | 04-Oct-21               | 25-Nov-21                                  |   |
| DC.83.1430<br>DC.83.1431<br>DC.83.1450<br>DC.83.1460a  | Grouting Cursini Works<br>Installation of Sheet Piles<br>Subjecting of Earthoorks  | 8                         | 2      | 100%                         | 100%                 | 04-Oct-21                           |  |  | 00.1 07.1  |                        |                        | 48.4 . 07               | 00 1 00                                    |   |
| DC.S3.1430<br>DC.S3.1431<br>DC.S3.1450<br>DC.S3.1460a<br>DC.S3.1460a   | Grouting Curtain Works<br>Installation of Sheet Piles<br>Substring of Entransis<br>Installation of ELS and association for basement of LV Main Sector Room and Transformst Room  | 8<br>45<br>54             | 2      | 100%<br>100%                 | 100%                 | 12-Apr-22                           | 23-Jun-22                                      | 12-Apr-22 A  | 23-Jun-22 A                                      |                        |                        | 12-Apr-22               | 22-Jun-22                                  |   |
| DC.S3.1430<br>DC.S3.1431<br>DC.S3.1450<br>DC.S3.14608<br>DC.S3.14608<br>DC.S3.14608  | Courts of Junit Yorks<br>Installation of Store Price<br>Subarting of Earnworks<br>Installation of ELS are assumed on the basement of UV Main Senter Room and Transformer Room<br>Communication (Fill Senter Specification Senter Specification Senter Specification Senter Specification Senter<br>Communication (Fill Senter Specification Senter | 8<br>45<br>54<br>25       | 2      | 100%<br>100%<br>100%         | 100%<br>100%         | 12-Apr-22<br>25-Jun-22              | 23-Jun-22<br>28-Jul-22                         | 12-Apr-22 A<br>25-Jun-22 A                             | 28-Jul-22 A                                      |                        |                        | 31-May-22               | 02-Jul-22                                  |   |
| DC.83.1430<br>DC.83.1431<br>DC.83.1450<br>DC.83.1460a<br>DC.83.1460a   | Grouting Curtain Works<br>Installation of Sheet Piles<br>Substring of Entransis<br>Installation of ELS and association for basement of LV Main Sector Room and Transformst Room  | 8<br>45<br>54             | 2      | 100%<br>100%                 | 100%                 | 12-Apr-22                           | 23-Jun-22                                      | 12-Apr-22 A  |  |                        |                        |                         |  |   |
| DC.S3.1430<br>DC.S3.1431<br>DC.S3.1450<br>DC.S3.1460e<br>DC.S3.1460e<br>DC.S3.1460e<br>DC.S3.1460<br>DC.S3.1460  | Court of Julian Horis<br>Installant of Store Priek<br>Subarty of Estmooks<br>Installant of Store Priek<br>Commonier of Roman Store Priek<br>Commonier of Roman Store (Store Priek<br>Remost of Iomecks, faiteerdis, aactil rightes Ning and tenroid of ELS   | 8<br>45<br>54<br>25<br>13 | 2 2    | 100%<br>100%<br>100%<br>100% | 100%<br>100%<br>100% | 12-Apr-22<br>25-Jun-22<br>29-Jul-22 | 23-Jun-22<br>28-Jul-22<br>15-Aug-22            | 12-Apr-22 A<br>25-Jun-22 A<br>29-Jul-22 A              | 28-Jul-22 A<br>15-Aug-22 A                       |                        |                        | 31-May-22<br>19-Jul-22  | 02-Jul-22<br>02-Aug-22                     |   |
| D0.83.1430<br>D0.83.1451<br>D0.83.1460<br>D0.83.1460a<br>D0.83.1460b<br>D0.83.1460b<br>D0.83.1460b<br>D0.83.1460<br>D0.83.1460   | Courtor Outwin Yorks<br>Installation of Steer Files<br>Substring of Famodes<br>Installation of ELS are secarised for parameter of UV Hain Switch Rect is tell Transformer Rector<br>Installation of ELS are secarised and the second secon       | 8<br>45<br>54<br>25<br>13 | 2 2    | 100%<br>100%<br>100%<br>100% | 100%<br>100%<br>100% | 12-Apr-22<br>25-Jun-22<br>29-Jul-22 | 23-Jur-22<br>28-Jul-22<br>15-Aug-22<br>AGE STA | 12-Apr-22 A<br>25-Jun-22 A<br>29-Jul-22 A<br>GE2 - UPG | 28-Jul-22 A<br>15-Aug-22 A<br>RADING (           |                        |                        | 31-May-22<br>19-Jul-22  | 02-Jul-22<br>02-Jup-22<br>GE TREATMENT AND | DISPOSAL FACILITIES Date Revision Chec Appre  |
| D0.83.1430<br>D0.83.1431<br>D0.83.1450<br>D0.83.1460a<br>D0.83.1460a<br>D0.83.1460b<br>D0.83.1460b<br>D0.83.1460<br>D0.83.1460<br>D0.83.1460   | Court of Julian Horis<br>Installant of Store Priek<br>Subarty of Estmooks<br>Installant of Store Priek<br>Commonier of Roman Store Priek<br>Commonier of Roman Store (Store Priek<br>Remost of Iomecks, faiteerdis, aactil rightes Ning and tenroid of ELS   | 8<br>45<br>54<br>25<br>13 | 2 2    | 100%<br>100%<br>100%<br>100% | 100%<br>100%<br>100% | 12-Apr-22<br>25-Jun-22<br>29-Jul-22 | 23-Jur-22<br>28-Jul-22<br>15-Aug-22<br>AGE STA | 12-Apr-22 A<br>25-Jun-22 A<br>29-Jul-22 A              | 28-Jul-22 A<br>15-Aug-22 A<br>RADING (           |                        |                        | 31-May-22<br>19-Jul-22  | 02-Jul-22<br>02-Jup-22<br>GE TREATMENT AND | DISPOSAL FACILITIES Date Revision Chec Appr<br>30-Nov-22 Rev. 20 JL CL  |
| D0.83.1430<br>D0.83.1431<br>D0.83.1450<br>D0.83.1460<br>D0.83.1460b<br>D0.83.1460b<br>D0.83.1460b<br>D0.83.1460<br>D0.83.1460<br>Pri   | Courts Outwark Yorks<br>Franslation of Sear Prine<br>Substript of Samoode<br>Incritation of Elds and counterform of UV Nan Surbit Room and Transformer-Room<br>Construction of Elds and counter of provide the search<br>Removal of Demochs, Saker Oris, Saker O     | 8<br>45<br>54<br>25<br>13 | 2 2    | 100%<br>100%<br>100%<br>100% | 100%<br>100%<br>100% | 12-Apr-22<br>25-Jun-22<br>29-Jul-22 | 23-Jur-22<br>28-Jul-22<br>15-Aug-22<br>AGE STA | 12-Apr-22 A<br>25-Jun-22 A<br>29-Jul-22 A<br>GE2 - UPG | 28-Jul-22 A<br>15-Aug-22 A<br>RADING (<br>AMME - | REV. 2                 |                        | 31-May-22<br>19-Jul-22  | 02-Jul-22<br>02-Jup-22<br>GE TREATMENT AND | Disposal Facilities         Date         Revision         Chec         Approximation           30-Nov-22         Rev. 20         JL         CL           31-Dec-22         Rev 21         JL         CL |
| DC.83.1433<br>DC.83.1431<br>DC.83.1451<br>DC.83.1450<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460<br>DC.83.1460 | Courts Outom Yorks Installated 34 set Pile Saltet Type (2 famouse Installated 34 set Pile Constructor of RC thattars (in eque) Constructor of RC thattars (in eque) Remond of themesha, stated in ghreas illing and remond of ELS Imany Baseline Luai Work amaining Work   | 8<br>45<br>54<br>25<br>13 | 2 2    | 100%<br>100%<br>100%<br>100% | 100%<br>100%<br>100% | 12-Apr-22<br>25-Jun-22<br>29-Jul-22 | 23-Jur-22<br>28-Jul-22<br>15-Aug-22<br>AGE STA | 12-Apr-22 A<br>25-Jun-22 A<br>29-Jul-22 A<br>GE2 - UPG | 28-Jul-22 A<br>15-Aug-22 A<br>RADING (<br>AMME - |                        |                        | 31-May-22<br>19-Jul-22  | 02-Jul-22<br>02-Jup-22<br>GE TREATMENT AND | DISPOSAL FACILITIES Date Revision Chec Appr<br>30-Nov-22 Rev. 20 JL CL  |
| 00.83.1433<br>00.83.1437<br>00.83.1450<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.83.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.1460e<br>00.85.14   | Courts Outwark Yorks<br>Franslation of Sear Prine<br>Substript of Samoode<br>Incritation of Elds and counterform of UV Nan Surbit Room and Transformer-Room<br>Construction of Elds and counter of provide the search<br>Removal of Demochs, Saker Oris, Saker O     | 8<br>45<br>54<br>25<br>13 | 2 2    | 100%<br>100%<br>100%<br>100% | 100%<br>100%<br>100% | 12-Apr-22<br>25-Jun-22<br>29-Jul-22 | 23-Jur-22<br>28-Jul-22<br>15-Aug-22<br>AGE STA | 12-Apr-22 A<br>25-Jun-22 A<br>29-Jul-22 A<br>GE2 - UPG | 28-Jul-22 A<br>15-Aug-22 A<br>RADING (<br>AMME - | REV. 2                 |                        | 31-May-22<br>19-Jul-22  | 02-Jul-22<br>02-Jup-22<br>GE TREATMENT AND | Disposal Facilities         Date         Revision         Chec         Approximation           30-Nov-22         Rev. 20         JL         CL           31-Dec-22         Rev 21         JL         CL |



| /D                            | Activity Name   | Ori. Dur (d) | TRA (d) TI | ine Elapsed X | Actual<br>Workdone S | Actual Start           | Actual Finish          | Early Start                | Early Finish               | Late Start             | Late Finish            | Early Start (Rev.<br>20) | Early Finish<br>(Rev. 20) | Total Ameri<br>Filoat Activ | 1ded   | 2021             | 1.04    | 2022          | 04 04 0      | 2023     | 2024     | 01 01 0               | 2025    | 2026<br>Q1 Q2 Q3 I |
|-------------------------------|---|--------------|------------|---------------|----------------------|------------------------|------------------------|----------------------------|----------------------------|------------------------|------------------------|--------------------------|---------------------------|-----------------------------|--------|------------------|---------|---------------|--------------|----------|----------|-----------------------|---------|--------------------|
| DC.S3.1490a                   | Subjecting of Finishing Works   | 181          | 0          | 100%          | 100%                 | 18-Jul-22              | 31-Jan-23              | 19-Jul-22 A                | 31-Jan-23 A                |                        |                        | 20)<br>19-Jul-22         | (Hav. 20)<br>31-Jan-23    | - ACIN                      |        |                  |         | - uz us       |              | x us ut  | 41 42 43 | un 01 02              | 43 44 6 | a uz ud            |
| DC.S3.1490b                   | Construction of RC Structure (Remaining)  | 103          | 2          | 100%          | 100%                 | 15-Aug-22              | 19-Dec-22              | 15-Aug-22 A                | 19-Dec-22 A                |                        |                        | 15-Aug-22                | 19-Dec-22                 |                             |        |                  |         | -             | <b>-</b>     |          |          |                       |         |                    |
| E&M Works                     |   |              |            | 1.89%         |                      | 25-Feb-28              |                        | 25-Feb-23 A                | 02-Aug-23                  | 22-Jil-23              | 17-Dec-23              | 16-Feb-23                | 02-Aug-23                 | 137                         |        |                  | 21.21   |               |              |          |          |                       |         |                    |
| DC.S8.1500                    | Installation of other E&M equipments  | 70           | 2          | DN-           | 03.                  |                        |                        | 01-Ap+23                   | 03-Jul-23                  | 23-ALg-23              | 17-Nov-23              | 19-Apr-23                | 03-Jul-23                 | 115                         |        |                  | 010     | 111           |              | <u>+</u> |          |                       |         |                    |
| DC.53.1500b                   | Installation of Electrical System   | 70           | 2          | D%-           | 0%                   |                        |                        | 01-Ap+23                   | 28-Jur-23                  | 25-Aug-23              | 17-Nov-23              |                          |                           | 117                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.53.1500c                   | Installation of SCADA.  | 35           | 0          | D%            | 0%                   |                        |                        | 15-9Ey-23                  | 28-Jur-23                  | 07-Ocl-23              | 17-Nov-23              |                          |                           | 120                         |        |                  | 2.11    |               |              |          |          |                       |         |                    |
| DC.83.1500d<br>DC.83.1510     | Installation of BS System<br>Site Acceptance Test   | 45           | 0          | 0%<br>0%      | 0%                   |                        |                        | 03-9ay-23<br>04-Jul-23     | 28-Jur-23<br>02-Aug-23     | 23-Sep-23<br>18-Nov-23 | 17-Nov-23<br>17-Dec-23 | 04-Jul-23                | 02-Aug-23                 | 120                         |        |                  | 11      | 1.1.1         |              | 1. II I  |          |                       |         |                    |
| ESM Works at Pans             | ond ALLESTER OF Test  | 00           | 0          | 2.38%         | 0.29                 | 25-Feb-23              |                        | 25-Feb-23 A                | 30-Jur-23                  | 22-Jul-23              | 17-boy-23              | 16-Feb-23                | 20-Jun-23                 | 140                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.\$3.1530a                  | Installation of BS equipment at CLP Transformer Room  | 34           | 2          | 5.58%         | 0%                   | 25-Feb-23              |                        | 25-Feb-23 A                | 12-Apr-23                  | 22-Jul-23              | 30-Aug-23              | 16-Feb-23                | 29-Mar-23                 | 116                         |        |                  | 22      |               | -            |          |          |                       |         |                    |
| DC.S3.1530b                   | She Acceptance Test   | 4            | 0          | 0%            | 03,                  |                        |                        | 13-Ap+23                   | 16-Apr-23                  |                        | 03-Sep-23              | 30-Mar-23                | 02-Apr-23                 | 140                         |        |                  |         | 1.1.1         | -            |          |          |                       | 1.1     |                    |
| DC.S3.1530c                   | CLP Inspection and Defect Rectification   | 9            | 0          | DN-           | 0%                   |                        |                        | 17-Apr-23                  | 26-Apr-23                  |                        | 13-Sep-23              | 03-Apr-23                | 20-Apr-23                 | 116                         |        |                  |         | 111           |              |          |          |                       |         |                    |
| DC.S3.1530d                   | CLP Re-inspection and Minor Defect Redification   | 4            | 0          | DS-           | 0%                   |                        |                        | 27-Ap-23                   | 02-May-23                  | 14-Sep-23              | 18-Sep-23              | 21-Apr-23                | 25-Apr-23                 | 116                         |        |                  | 12      |               | - P          |          |          |                       |         |                    |
| DC.S3.1530d10                 | Temporary Reinstatement of Access for CLP's Works   | 12           | 0          | DS-           | 0%                   |                        |                        | 17-Apr-23                  | 29-Apr-23                  |                        | 18-Sep-23              |                          |                           | 117                         |        |                  |         |               | 1            |          |          |                       |         |                    |
| DC.S3.1530e                   | Handover to CLP for CLP's Works   | 45           | 0          | 0%            | 0%                   |                        |                        | 03-¥ey-23                  | 29-Jun-23                  |                        | 16-Nov-23              | 28-Apr-23                | 19-Jun-23                 | 116                         |        |                  |         |               |              | ₹     {  |          |                       |         |                    |
| DC.S3.1530f                   | Engenzing   | 1            | 0          | 0%<br>45.1%   | 0%                   | 01-Feb-23              |                        | 30-Jun-23<br>01-Feb-23 A   | 30-Jun-23<br>31-War-23     | 17-Nov-23<br>09-Mar-23 | 17-Nov-23<br>22-Aug-23 | 20-Jun-23<br>01-Feb-23   | 20-Jun-23<br>24-Mar-23    | 116                         |        |                  |         |               |              | 7        |          |                       |         |                    |
| DC.S3.1550                    | Architectural Works (Internal)  | 48           | 5          | 45.1%         | 33%                  | 01-Feb-23<br>01-Feb-23 |                        | 01-Feb-23 A<br>01-Feb-23 A | 31-Har-23<br>31-Har-23     |                        | 22-Aug-23<br>22-Aug-23 | 01-Feb-23<br>01-Feb-23   | 24-Mar-23<br>24-Mar-23    | 115                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.1550                    | Architectural Works for CLP Transformer Room (Internal)   | 40           | 1          | 53,49%        |                      | 01-Feb-23              |                        | 01-Feb-23 A                | 22-Har-23                  |                        | 31-b/ar-23             | 01-Feb-23                | 15-Feb-23                 | 8 1                         |        |                  |         |               | - 7          |          |          | · · · · · · · · · · · |         |                    |
|                               | Underground Utilities   |              |            | 0%            |                      | 1110020                |                        | 18-Sep-23                  | 30-Oct-23                  | 09-Oct-23              | 17-Nov-23              | 14-Jun-23                | 25-Jul-23                 | 16                          |        |                  | 212     |               |              | +        |          |                       |         |                    |
| DC.S3.1600                    | Construction of Drainage and Severage System. Fire Services, Electrical & Plumping Undergound Utilities | 32           | 2          | 0%            | 0%                   |                        |                        | 18-Sep-23                  | 30-Oct-23                  | 09-0st-23              | 17-Nov-23              | 14-Jun-23                | 25-Jul-23                 | 16                          |        |                  |         |               | 11           | •↓+ ● ┃  |          |                       |         |                    |
| lemporary Sluc                | ge Digestion System   |              |            | 97.68%        |                      | 24-Jun-22              |                        | 24-Jun-22 A                | 30-Dec-23                  |                        | 30-Dec-23              | 24-Jun-22                | 29-Nov-23                 | 0                           |        |                  |         | - <del></del> |              |          |          |                       |         |                    |
| DC.S3.1700                    | Construction of Temporary Studge Digestion System T&C   | 88           | 3          | 100%          |                      | 24-Jun-22              | 10-OcI-22              | 24-Jun-22 A                | 10-0cl-22 A                |                        |                        | 24-Jun-22                | 10-0cl-22                 |                             |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.1710                    | Temporary Row Diversion and isolate existing aerobic studge digestor and relevant buildings             | 8            | 1          | 100%          | 100%                 | 11-0ct-22              | 20-Oct-22              | 11-0:022 A                 | 20-0ct-22 A                |                        |                        | 11-Oct-22                | 20-Oct-22                 |                             |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.1720                    | Removal of Temporary Sludge Digestion System  | 10           | 0          | 0%            | 0%                   |                        |                        | 18-Dec-23                  |                            | 18-Dec-23              | 30-Dec-23              | 13-Nov-23                | 29-Nov-23                 | 0                           |        |                  |         |               | _  (         |          |          |                       |         |                    |
|                               | Clearance at the area of Proposed Preliminay Treatment Facilities                                       |              |            | 100%          |                      | 20-Oct-22              | 24-Nov-22              | 20-Oct-22 A                | 24-Nov-22 A                |                        |                        | 20-Oct-22                | 09-Dec-22                 |                             |        |                  |         |               | -            |          |          |                       |         |                    |
| Demolition work<br>DC.83/2010 |   | 29           | 0          | 100%          | 100%                 | 20-Oct-22<br>21-Oct-22 | 24-Nov-22<br>24-Nov-22 | 20-Oct-22 A<br>21-Oct-22 A | 24-Nov-22 A<br>24-Nov-22 A |                        |                        | 20-0ct-22<br>21-0ct-22   | 09-Dec-22<br>09-Dec-22    |                             |        |                  |         |               |              |          |          |                       |         |                    |
| DC.832010<br>DC.832620        | Demolition of existing Aerobic Studge Digestor<br>Demolition of existing Blower and Pump House          | 28           | 0          | 100%          |                      | 21-Oct-22<br>21-Oct-22 | 24-Nov-22<br>24-Nov-22 | 21-0ct-22 A                | 24-Nov-22 A<br>24-Nov-22 A |                        |                        | 21-0ct-22<br>21-0ct-22   | 09-Dec-22<br>09-Dec-22    |                             |        |                  | and and |               |              |          |          |                       |         |                    |
| DC.S32030                     | Demolition of existing denset more improved   | 29           | 0          | 100%          |                      | 21-Oct-22              | 24-Nov-22              | 21-0:0-22 A                | 24-Nov-22 A                |                        |                        | 21-Oct-22                | 09-Dec-22                 |                             |        |                  | 100     |               |              |          |          |                       |         |                    |
| DC.S3.2010                    | Disconnecting data link of removed existing equipment from the existing SCADA system                    | 7            | 0          | 100%          |                      | 20-Oct-22              | 26-Oct-22              | 20-0:t-22 A                | 26-Oct-22 A                |                        |                        | 20-Oct-22                | 26-Out-22                 |                             |        |                  |         |               | []           |          |          |                       |         |                    |
| HASE 3 - Con                  | struction of Preliminary Treatment Facilities   |              |            | 53.12%        |                      | 12-Jul-21              |                        | 12-Jul-21 A                | 06-Aug-24                  | 28-Feb-23              | 06-Aug-24              | 12-Jul-21                | 23-Apr-24                 | 0                           |        | - I <del>-</del> |         |               |              |          | ++++     |                       |         |                    |
|                               | Preliminary Treatment Facilities  |              |            | 53.31%        |                      | 12-Jul-21              |                        | 12-Jul-21.A                | 02-Aug-24                  | 28-Feb-23              | 02-Aug-24              | 12-Jul-21                | 19-Apr-24                 | 0                           |        | -                |         |               |              |          |          |                       |         |                    |
| Procurement, Fak              | vication and Delivery of Major E&M Equipment  |              |            | 61.25%        |                      | 12-Jul-21              |                        | 12-Jul-21.A                | 10-Har-24                  | 21-Mar-23              | 08-Jun-24              | 12-Jul-21                | 14-Dec-22                 | 90                          |        | -                | 111     | 1 1 1         |              |          | -        |                       |         |                    |
| DC.S3.3005a                   | Tendering of Subcontrator   | 45           | 0          | 100%          |                      | 12-Jul-21              | 25-Aug-21              | 12-Jul-21 A                | 25-ALG-21 A                |                        |                        | 12-Jul-21                | 25-Aug-21                 |                             |        | -                | 1       | 1.1.1         |              |          |          |                       | 1.1     |                    |
| DC.83.3005b                   | Equipment Submission and Approval   | 544          | 0          | 83.09%        | 50%                  | 03-Dcc-21              |                        | 03-Dec-21 A                |                            | 21-Mar-23              |                        | 03-Dec-21                | 14-Dec-22                 | 21                          |        |                  | -       |               |              |          |          |                       |         |                    |
| Procurement                   |   |              |            | 0%            |                      |                        |                        | 01-Jun-23                  |                            |                        | 11-Feb-24              |                          |                           | 72                          |        |                  | 21.221  |               | $\mathbf{N}$ |          |          |                       |         |                    |
| DC.83.3015<br>DC.83.3025      | Stopiog<br>Perstock   | 1            | 0          | 0%            | 0%<br>0%             |                        |                        | 01-Aug-23*                 | 01-Aug-23<br>01-Aug-23     |                        | 02-Dec-23<br>02-Dec-23 |                          |                           | 123                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC 53,5025                    | Her stork<br>Mechanical Bar Screen - Coarse Screen  | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Aug-23*<br>01-Aug-23*   | 01-Aug-23<br>01-Aug-23     |                        | 02-Dec-23              |                          |                           | 123                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.5045                    | Sorew Conveyor  | 1            | 0          | 0%            | 03,                  |                        |                        | 01-Aug-23*                 | 01-Aug-23                  |                        | 02-Dec-23              |                          |                           | 123                         | _      |                  | 21.21   |               |              |          |          |                       |         |                    |
| DC.S3.3055                    | Sorew Compactor   | 1            | 0          | 0%            | 03,                  |                        |                        | 01-Aug-23*                 |                            | 02-Deo-23              |                        |                          |                           | 123                         |        |                  |         | 1.1.1         |              |          |          |                       |         |                    |
| DC.S3.3065                    | Submersible Pump  | 1            | 0          | D%            | 0%                   |                        |                        | 01-Aug-23*                 |                            | 02-Dec-23              |                        |                          |                           | 123                         |        |                  | 1.11    | 111           |              |          |          |                       |         |                    |
| DC.S3.3075                    | Submersible Jig. Mixor  | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Aug-23*                 | 01-Aug-23                  |                        | 02-Dec-23              |                          |                           | 123                         |        |                  | 111     |               |              | -p       |          |                       |         |                    |
| DC.S3.3085                    | Gri Punç  | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Aug-23*                 | 01-Aug-23                  |                        | 02-Dec-23              |                          |                           | 123                         |        |                  |         |               |              | H        |          |                       |         |                    |
| DC.\$3.3095                   | Grit Classifier & Grit Mater  | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Aug-23*                 | 01-Aug-23                  |                        | 02-Dec-23              |                          |                           | 123                         |        |                  |         |               |              | HIII     |          |                       |         |                    |
| DC.S3.5105<br>DC.S3.5115      | Mechanical Filter Mesh<br>Lifting Applance  | 1            | 0          | 0%<br>0%      | 0%                   |                        |                        | 01-Aug-23*<br>03-Jul-23*   | 01-Aug-23<br>03-Jul-23     |                        | 02-Dec-23<br>06-Dec-23 |                          |                           | 123 ·                       |        |                  | 21      |               |              |          |          |                       |         |                    |
| DC 53.3115<br>DC 53.3125      | Uting applance<br>OI Skimmer Pump   | 1            | 0          | 0%            | 0%                   |                        |                        | 03-JUI-23*<br>01-Auc-23*   |                            |                        | 06-Dec-23<br>02-Dec-23 |                          |                           | 136                         | -      |                  |         | ala al a d    |              |          |          |                       | +-+     |                    |
| DC 53.5135                    | Deadorzation Unit (DOU/)  | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Auc-23*                 |                            |                        | 02-Dec-23              |                          |                           | 123                         |        |                  | 511     |               |              |          |          |                       |         |                    |
| DC.S3.3145                    | LV Switchnos rd/MCC   | 1            | 0          | DS-           | 0%                   |                        |                        | 01-Aug-23*                 | 01-Aug-23                  |                        | 13-Dec-23              |                          |                           | 134                         |        |                  | 11.12   |               |              |          |          |                       |         |                    |
| DC.S3.3155                    | VSD   | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Aug-23*                 | 01-Aug-23                  | 13-Dec-23              | 13-Dec-23              |                          |                           | 134                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.3165                    | UPS with Isolation Transformer  | 1            | 0          | 0%            | 0%                   |                        |                        | 02-Ocl-23*                 | 02-Oc1-23                  | 11-Feb-24              | 11-Feb-24              |                          |                           | 132                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.3175                    | PLC Parel   | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Dec-23*                 | 01-Dec-23                  |                        | 06-Feb-24              |                          |                           | 87                          |        |                  |         |               |              |          |          |                       |         |                    |
| DC.\$3.3185                   | Instrumentation   | 1            | 0          | 0%            | 0%                   |                        |                        | 01-Jun-23*                 | 01-Jur-23                  |                        | 14-0ct-23              |                          |                           | 135                         |        |                  |         |               |              | 1        |          |                       |         |                    |
| Fabrication                   |   |              |            | 0%            |                      |                        |                        | 02-Jun-23                  | 09-Feb-24                  | 15-Oct-23              | 09-May-24              |                          |                           | 90                          |        |                  | 1.11    |               |              |          | T        |                       |         |                    |
| DC.S3.3195                    | Stoplag   | 125          | 0          | 0%            | 0%,                  |                        |                        | 02-Aug-23                  | 04-Dec-23                  |                        | 05-Apr-24              |                          |                           | 123                         |        |                  |         | 1.1.1         |              |          |          |                       |         |                    |
| DC.S3.3206<br>DC.S3.3216      | Pensizok<br>Machanical Bar Schein - Coarse Screen   | 125          | 0          | D%-<br>D%-    | 0%<br>0%             |                        | -                      | 02-Aug-23<br>02-Aug-23     | 04-Dec-23<br>04-Dec-23     |                        | 05-Apr-24<br>05-Apr-24 |                          |                           | 123                         | - 11-  |                  | SH H    |               |              |          |          |                       |         |                    |
| DC S3.3215                    | Nechanical Bar Schein - Coarse Schein<br>Schwitzung   | 120          | 0          | D%            | 0%                   |                        | -                      | 02-Aug-23<br>02-Aug-23     | 04-Dec-23<br>04-Dec-23     |                        | 05-Apr-24              |                          |                           | 123                         |        |                  | 2       |               |              | H        |          |                       |         |                    |
| DC.S3.3235                    | Screw Consattor   | 125          | 0          | D%            | 0%                   |                        | -                      | 02-Aug-23                  | 04-Dec-23                  |                        | 05-Apr-24              |                          |                           | 123                         |        |                  |         |               |              | H        |          |                       |         |                    |
| DC.83.3245                    | Submersible Pump  | 125          | 0          | 0%            | 0%                   |                        |                        | 02-Aug-23                  | 04-Dec-23                  |                        | 05-Apr-24              |                          |                           | 123                         |        |                  |         |               |              | Hettal   |          |                       |         |                    |
| DC.83.3255                    | Submensible Jet Mixer   | 125          | 0          | 0%            | 0%                   |                        |                        | 02-Aug-23                  | 04-Dec-23                  |                        | 05-Apr-24              |                          |                           | 123                         |        |                  | 2       |               |              |          |          |                       |         |                    |
| DC.S3.3265                    | Grit Punc   | 125          | 0          | 0%            | 0%                   |                        |                        | 02-Aug-23                  | 04-Dec-23                  |                        | 05-Apr-24              |                          |                           | 123                         | ·      |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.3275                    | Grit Classifier & Grit Mixer  | 125          | 0          | 0%            | 0%                   |                        |                        | 02-Aug-23                  | 04-Dec-23                  |                        | 05-Apr-24              |                          |                           | 123                         | · .    |                  |         | 111           |              | 174      |          |                       |         |                    |
| DC.S3.3285                    | Mechanical Filter Mesh  | 125          | 0          | D%            | 0%                   |                        |                        | 02-Aug-23                  |                            |                        | 05-Apr-24              |                          |                           | 123                         |        |                  |         | 1.1.1         |              |          |          |                       |         |                    |
| DC.S3.3295                    | Lifting Appliance   | 155          | 0          | DN-           | 0%                   |                        | -                      | 04-Jui-23                  | 05-Dec-23                  |                        | 09-b/ay-24             |                          |                           | 156                         |        |                  |         |               |              | +        |          | . I                   |         |                    |
| DC.S3.3305<br>DC.S3.3315      | OI Skimmer Pump<br>Deodorization Unit (2001)  | 125          | 0          | D%<br>D%      | 0%                   |                        |                        | 02-Aug-23                  |                            | 03-Dec-23              |                        |                          |                           | 123                         |        |                  |         |               |              |          |          |                       |         |                    |
| DC.S3.3315<br>DC.S3.3325      | Deodorization Unit (DOU1)<br>EV Switchboard/MCC   | 125          | 0          | 0%            | 0%                   |                        |                        | 02-Aug-23<br>02-Aug-23     | 04-Dec-23<br>04-Dec-23     | 03-Dec-23<br>14-Dec-23 |                        |                          |                           | 123                         |        |                  |         |               |              |          |          |                       |         |                    |
|                               |   | 1            |            |               |                      |                        |                        | ,                          |                            |                        |                        |                          |                           |                             | Ш      |                  | iti i   |               |              |          |          | !                     | IChai   |                    |
| Prin                          | nary Baseline   | DC/201       | 9/07 OU1   | TLYING IS     | SLANDS               | SEWER                  | AGE STA                | GE2 - UPG                  | RADING (                   | OF CHEU                | NG CHA                 | J SEWAG                  | E TREAT                   | MENT AN                     | D DISF | POSAL            | FACI    | ITIES         |              | Date     |          | vision                | Chec    | Approv             |
| Act                           | ual Work  |              |            |               |                      |                        |                        | PROGR                      |                            |                        |                        |                          |                           |                             |        |                  |         |               |              | Nov-22   | Rev. 20  |                       |         | CL                 |
|                               |   |              |            |               |                      |                        | INC FIGE               | - Rook                     |                            |                        | - (                    | or uary 2                |                           |                             |        |                  |         |               |              | Dec-22   | Rev. 21  |                       |         | CL                 |
| rter                          | maining Work  |              |            |               |                      |                        |                        |                            | (rage                      | 8 of 13)               |                        |                          |                           |                             |        |                  |         |               | 28-          | Feb-23   | Rev. 22  |                       | JL      | CL                 |
|                               |   |              |            |               |                      |                        |                        |                            |                            |                        |                        |                          |                           |                             |        |                  |         |               |              |          |          |                       |         |                    |
|                               | ical Remaining Work   |              |            |               |                      |                        |                        |                            |                            |                        |                        |                          |                           |                             |        |                  |         |               |              |          |          |                       |         |                    |



| in th   | Assists these  | Ori, Dur id    | TRUM        | Time Diseased P   | fature total flast        | Astual Dalah Essle Staat  | Fach: Finish  | Late Start   | Late Childh   | Easts Start (Day                    | Easts Einish Tetal Amande                                       |             | 2021       | _        | 5022   |                            | 2177             |              | 503                |                 | 505           | _              | 20       | 200      |
|---|--|----------------|-------------|-------------------|---------------------------|---|---|--|---|-------------------------------------|---|-------------|------------|----------|--|----------------------------|------------------|--------------|--------------------|-----------------|---------------|----------------|----------|----------|
|   | Activity Name  |                |             | Time Elapsed N    | Workdone %                | Actual Finish Early Start   | Early Finish  | Late Start   |   | Early Start (Rev.<br>20)            |   | s <u>Q1</u> | 2 03       | 14 Q1 Q  | 2 03   | Q4 Q1                      | 02 01            | 1 04         | Q1 Q2              | Q3 Q4           | 01 02         | 04 04          | Q1 Q2    | Q3 Q     |
| DC.\$3.3335   | V80  | 125            | 0           | 0%                | 0%                        | 02-Aug-23   | 04-Dec-23   |  | 16-Apr-24   |                                     | 134 *   | _           | 1          |          |  |                            |                  | æ            |                    |                 |               |                |          |          |
| DC.\$3.3345   | UPS with Isolation Transformer   | 65             | 0           | 0%                | 0%                        | 03-0ct-23   | 06-Dec-23   |  | 16-Apr-24   |                                     | 1.32  | _           | 1.121      |          | 1.1  | :                          |                  |              |                    |                 |               |                |          |          |
| DC.S3.3355<br>DC.S3.3365  | PLC Panel  | 70             | 0           | 0%<br>D%          | 0%                        | 02-Dec-23<br>02-Jun-23  | 09-Feb-24<br>03-Dec-23                                    |  | 16-Aph-24   |                                     | 67 *  |             |            | 4 4 - (- | 4-4  |                            |                  |              | <u> A H H H</u>    |                 | - dani        |                |          |          |
| DC:S3.3365  | Instrumentation  | 150            | 0           | DN DN             | 0%                        | 02-301-23   | 03-Dec-23<br>10-Har-24                                    |  |   |                                     | 136 1   |             |            |          |  | ;                          |                  |              | ц.                 |                 |               |                |          |          |
| DC.S3.3375  | Display .  | 30             | 0           | DN-               | 0%                        |   | 10-887-24<br>03-Jan-24                                    | D8-Apr-24  | 08-Jun-24<br>05-May-24                                      |                                     | 123 '   |             | 1.1.1      |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3375<br>DC.S3.3385  | Sloping  | 30             |             |                   | 0%                        | 05-Dec-23<br>05-Dec-23  | 03-Jan-24<br>03-Jan-24                                    | 08-Apr-24<br>08-Apr-24                                   | 05-May-24<br>05-May-24                                      |                                     | 123   |             |            |          |  |                            |                  |              |                    |                 |               |                |          |          |
| DC.83.3385<br>DC.83.3395  | Pensiock<br>Mechanical Bar Screen - Coarse Screen  |                | 0           | 0%                | 0%                        | 05-Dec-23   | 03-Jan-24<br>03-Jan-24                                    |  | 05-May-24<br>05-May-24                                      |                                     | 123 *   | _           |            |          | 1.1  |                            |                  |              | 1 10 11            |                 | 1.1           |                |          |          |
| DC.S3.3405  | Mechanical bar screen - Joanse screen<br>Screw Conveyor  | 30             | 0           |                   | 0%                        | 05-Dec-23   | 03-Jan-24<br>03-Jan-24                                    |  | 05-blay-24  |                                     | 123   | _           |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.83.3405<br>DC.83.3415  |  | 30             | 0           | 0%                | 0%                        | 05-Dec-23<br>05-Dec-23  | 03-Jan-24<br>03-Jan-24                                    |  |   |                                     | 123 *   | _           | 1.11       |          |  | ;                          |                  |              |                    |                 |               |                |          |          |
| DC.\$3.3415<br>DC.\$3.3425  | Screw Compactor<br>Submersible Pump  | 30             | 0           | 0%                | 0%                        | 05-Dec-23<br>05-Dec-23  | 03-Jar-24   |  | 05-May-24<br>05-May-24                                      |                                     | 123 *   | _           |            |          | 1.11   |                            |                  |              |                    |                 |               | 1              |          |          |
|   |  | 30             | 0           |                   | 0%                        |   |   |  |   |                                     |   | _           |            |          | 1.1  |                            |                  |              |                    |                 | 1.1           | 1              |          |          |
| DC.S3.3435  | Submensible Jet Mixer  | 33             |             | DN-               |                           | 05-Dec-23   | 03-Jar-24   | DG-Apr-24  | 05-b/ay-24  |                                     | 123 *   | _           |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3445  | Grt Pump   |                | 0           | DN-               | 0%                        | 05-Dec-23   | 03-Jar-24   |  | 05-May-24   |                                     | 123 *   |             |            | 44       |  |                            | + -              |              |                    |                 | الما الما الم | . i            |          |          |
| DC.S3.3455  | Grit Classifier & Grit Mixer   | 30             | 0           | DS-               | 0%                        | 05-Dec-23   | 03-Jar-24   | 08-Apr-24  | 05-May-24   |                                     | 123 *   | _           |            |          | 1 1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3465  | Mechanical Filter Mesh   | 30             | 0           | 0%                | 0%                        | 05-Det-23   | 03-Jan-24   |  | 05-May-24   |                                     | 123 *   | _           |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.83.3475  | Lifting Applance   | 30             | 0           | 0%                | 0%                        | 06-Dec-23   | 04-Jan-24   |  | 08-Jun-24   |                                     | 156 *   |             |            |          | 1.11   |                            |                  |              | rti i              |                 |               |                |          |          |
| DC.S3.3485  | OI Skimmer Pump  | 30             | 0           | 0%                | 0%                        | 05-Dec-23   | 03-Jan-24   |  | 05-May-24   |                                     |   | _           |            |          |  |                            |                  |              |                    |                 |               |                |          |          |
| DC.\$3.3495   | Deodorization Unit (DOU1)  | 30             |             | 0%                |                           | 05-Dec-23   | 03-Jar-24   |  | 05-May-24   |                                     | 123 *   |             | È-         | 4        |  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3505  | LV Switchcos rd/MCC  | 30             | 0           | 0%                | 0%                        | 05-Det-23   | 03-Jar-24   | 17-Apr-24  | 16-May-24   |                                     | 134 *   | _           |            |          |  |                            |                  |              |                    |                 | 1.1           | -              |          |          |
| DC.S3.3515<br>DC.S3.3525  | VSD  | 30             | 0           | D%.<br>D%         | 0%                        | 05-Der-23<br>07-Der-23  | 03-Jar-24   | 17-Apr-24  | 16-blay-24  |                                     | 134 *   |             | 1 2        |          | 1.1  |                            |                  |              | rti I I            |                 |               | 1              |          |          |
|   | UPS with ladation Transformer<br>PLC Panel   | 30             | 0           | DS-<br>DS-        | 0%                        | 07-Dec-23<br>10-Feb-24  | 05-Jar-24<br>10-Har-24                                    | 17-Apr-24  | 16-blay-24<br>16-blay-24                                    |                                     | 132 .   |             | 1.15       |          | 11   | .                          |                  |              | FII I              |                 |               |                |          |          |
| DC.S3.3535  |  |                |             |                   |                           |   |   | 17-Apr-24  |   |                                     |   |             |            |          |  |                            |                  | المال        | 111                | 11              |               |                |          |          |
| DC.S3.3545  | Instrumentation  | 30             | 0           | 0%                | 0%                        | 04-Dec-23   | 02-Jar-24   |  | 16-May-24   | 05.000.00                           | 135 *   |             |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| Civil & Structura   |  |                |             | 18,03%            | 25-Nov-22                 | 25-Nov-22 A   | 04-May-24   | 28-Feb-23  | 04-May-24   | 25-Nov-22                           | 20-Jan-24 0   |             |            |          |  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3020  | Pre-boring Works for Sheet Pile Wall Installation  | 113            | 0           | 80.18%            | 51% 25-Nov-22             | 25 Nov-22 A   | 25-4pt-23   |  | 25-Apr-23   | 25-Nov-22                           | 15-Mar-23 0 *   |             |            |          |  | TOT .                      | <u>-</u>         |              |                    |                 |               |                |          |          |
| DC.S3.3040  | Installation of Sheet Pile Wall  | 24             |             | 0%                | 0%                        | 31-Mar-23   | 03-May-23   |  |   | 09-Feb-23                           | 27-Mar-23 0 -   |             |            |          | 1.1  | 111                        | <u>, 111</u>     |              | 11                 | 11              | 11.1          | 1              |          |          |
| DC.S3.3050a   | Excevation to +2.5mPD  | 7              | 0           | 0%                | 0%                        | 04-Vsy-23   |   | 04-May-23  |   |                                     | u -   |             |            |          | 11   | 11                         | <b>1</b>         |              |                    |                 |               |                |          |          |
| DC.S3.3050a10   |  | 14             | 0           | 0%                | 0%,<br>0%,                | 06-Vay-23   |   | 06-May-23  |   |                                     | 0   |             |            | 44       |  |                            | <u>c</u> [       | -            | 1-14 - L           |                 | a dana        |                |          |          |
| DC.S3.3050a20   |  |                | 0           | DS-               |                           | 23-Vay-23   |   | 23-May-23  |   |                                     | 0 *   | _           |            |          | 1.1  |                            | C.I.I.           |              |                    |                 |               | 1              |          |          |
| DC.S3.3050a30   |  | 14             | 0           | 0%                | 0%                        | 01-Jun-23   |   | 01-Jun-23  |   |                                     | 0 .   | _           |            |          |  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3050a40   | Excavation to -3 5mPD (approx 1000m3 rock excavation)  | 18             | 0           | 0%                | 0%                        | 17-Jun-23   | 07-Jul-23   |  | 07-Jul-23   |                                     | 0   | _           |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3050a50   | Installation to 3rd Walling & Struts   | 14             | 0           | 0%                | 0%                        | 08-Jui-23   | 24-Jul-23   |  | 24-Jul-23   |                                     | 0 *   |             |            |          | 1.1  |                            | H                |              |                    |                 |               | 1              |          |          |
| DC.S3.3050a60   | Excavation to -5mPD (approx, 950m3 rock excavation)  | 18             | 0           | 0%                | 0%                        | 25-Jui-23   | 11-Aug-23   |  | 11-Aug-23   |                                     | 0 .   |             |            |          |  |                            | - E.             |              |                    |                 |               |                |          |          |
| DC.S3.3050a70   |  | 12             | 0           | 0%                | 0%                        | 12-Aug-23   | 24-Aug-23   |  |   |                                     | u   | _           |            |          | 1.1  |                            | 18               |              |                    |                 | 1.1           | ÷              |          |          |
| DC.S3.3050e80   |  | 18             | 0           | 0%                | 0%                        | 25-Aug-23   |   | 25-ALg-23  |   |                                     | 0 *   | _           |            |          |  |                            |                  |              |                    |                 | 1.1           | 1              |          |          |
| DC.S3.3660  | Plate Lord Test (Total 3 nos.)   | 5              | 0           | 0%                | D3;                       | 13-Sep-23   |   |  | 17-Sep-23   |                                     | 11-Jul-23 0 *   | _           |            |          |  | KI                         | 1                | 11           |                    |                 |               |                |          |          |
| DC.SS.3080  | Construction of File Cap (Grid E to Grid H) (1200m3; 6 pouns)  | 30             | 0           | D%                | 0%                        | 28-Sep-23   |   | 28-Sep-23  |   | 12-Jul-23                           | 27-Oot-23 0 *   | _           |            |          | 1.1  | 1                          | 1                | t I          |                    |                 |               | 1              |          |          |
| DC.S3.3080a   | Removal of 4th Walling and Struts  | 6              | 0           | D%                | 0%                        | 06-\\or-23  | 11-Nov-23   |  | 11-Nov-23   |                                     | 0 *   |             |            | 44       | dad.   |                            |                  | - C- J       |                    |                 |               | . i            |          | i        |
| DC.83.3983b   | Construction of Pile Cap (Grid A to Grid E) and R.C. Wall to -3 5mPD (Grid E to Grid H) (929m3, 5 pouns)   | 25             | 0           | D.W.              | 0%                        | 13-\\or-23  | 11-Dec-23   |  |   |                                     | 0.  | _           |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.\$3.3080c  | Removal of Srd Walling and Sizula  | 6              | 0           | 0%                | 0%                        | 12-Dec-23   | 18-Dec-23   |  |   |                                     | 0   |             |            |          | 1.1  |                            |                  |              |                    |                 |               | 1              |          |          |
| DC.83.3080d   | Construction of RC Wall (from -3.5mPD to +0.5mPD) (380m3, 2 pours)   | 15             | 0           | 0%                | 0%                        | 19-Det-23   | 11-Jan-24   |  | 11-Jan-24   |                                     | 0 ·   | _           |            |          | 1.1  |                            |                  |              |                    |                 | 1.1           |                |          |          |
| DC.S3.3080e   | Removal of 2nd Wailing and Strate  | ь              | 0           | 0%                | 0%                        | 12-Jan-24   | 18-Jar-24   |  | 18-Jan-24   |                                     | 0 ·   | _           |            |          | 11   |                            |                  |              | 4                  |                 |               |                |          |          |
| DC.88.3080f   | Construction of RC Well (from +0.5mPD to +2.5mPD;  | 18             | 0           | 0%                | 0%                        | 19-Jan-24   | 08-Feb-24   |  | 08-Feb-24   |                                     |   |             |            | 4 4      | de la composición de |                            |                  |              | <u>C          </u> |                 | a da de       |                |          |          |
| DC.S8.3080g   | Removal of 1st Visiling and Stute  | 6              |             | 0%                |                           | 09-Feb-24   | 19-Feb-24   |  |   |                                     |   | _           |            |          |  |                            |                  |              | 2                  |                 |               |                |          |          |
| DC.53.3080h   | Construction of RC Ground State (from +2.5mPD to +4.8mPD)  | 23             | 0           | DN-               | 0%                        | 20-Feb-24<br>14-Mar-74  | 13-Har-24   | 23-Feb-24  | 13-b/ar-24  |                                     | 0 .   | _           |            |          | 1.1  |                            |                  |              | (C                 |                 |               | 1              |          |          |
|   | Construction of RC Weil and MCC Room Slab (from +4.5mPD to +9.25mpD)   |                | -           | DN-               |                           |   | 10-Apr-24   | 14-Mar-24  |   |                                     |   | _           |            |          | 1.1  |                            |                  |              |                    |                 |               |                |          |          |
| DC.53.3100<br>E&M.Works   | Construction of RC Weil and Roof State (from +9.35 to +13.55)  | 20             | 0           | DN-               | 0%                        | 11-Ap24   | 04-May-24   |  | 04-May-24   |                                     | 20-Jan-24 0 *   |             |            |          | 1.1  | ſ I                        |                  |              | HG                 | ÷ .             |               |                |          |          |
| DC.S3.3120  | E&M, Mechanicla Installation (Mixers, Intel Pumps, Gritnemoval system, DD systems and etc.)  | 48             | 2           | 0%                | 0%                        | 05-Wey-24<br>06-Wey-24  | 02-Aug-24<br>03-Jul-24                                    |  | 02-Aug-24<br>03-Jul-24                                      | 22-Jan-24<br>22-Jan-24              | 19-Apr-24 0<br>20-Mar-24 0                                      |             |            |          | 4.4  |                            |                  |              |                    |                 |               |                |          |          |
| DC.83.3120<br>DC.83.3120a   | Earl, Mechanida Instalation (Akters, The Pumps, on the rowal system, Do systems and etc.)<br>Electrical Installation (Cable, Instrument, PLC Place) LVSB, etc.)  | 40             | 2           | 0%                | 0%                        | 06-889-24   | 21-Jur-24   |  | 03-Jul-24   | 22-J6I-24                           | 20-M01/24 0   | _           |            |          | 1.1  |                            |                  |              | 7                  |                 |               |                |          |          |
| DC.88.31208<br>DC.88.3120b  | Instellation of BS Equipment, His numeric HLC, Panet Livers, etc.;   | 40             | 0           |                   | 0%                        |   | 21-JUI-24<br>11-JUI-24                                    |  | 03-Jul-24   |                                     | 22 *  | _           |            |          | 1.1  | 11                         |                  |              |                    |                 |               | 1              |          |          |
| DC.S3.31206<br>DC.S3.3120610  | Installation of Lifting Appliance  | 25             | 0           | 0%                | 0%                        | 18-¥sy-24<br>18-¥sy-24  | 11-Jur-24   |  | 03-Jul-24<br>03-Jul-24                                      |                                     | 22 -  |             | 1.1        |          | 1.1  |                            |                  |              | 111 G C            |                 |               |                |          |          |
| DC.53.3120610<br>DC.53.3130a  | Instatation of Linting Appliance<br>SCADA System Site Acceptance Test (Phase 3 PTF Construction)   | 25             | 0           | DS-               | 0%                        | 18-98y-24<br>14-98y-24  | 11-Jur-24<br>12-Jur-24                                    | 09-Jun-24<br>04-Jun-24                                   | 03-Jul-24<br>03-Jul-24                                      | 22-Jan-24                           | 22 -<br>20-Feb-24 21  |             |            |          | 11   | $\boldsymbol{\mathcal{I}}$ |                  |              | 41 🔓               |                 |               |                |          |          |
| DC.53.3130a   | SCALA System Site Adoptande Test (mase 3 MTH Construction)<br>SCADA System Commissioning Test (Prase 3 PTF Construction)   | 30             | 0           | DS-               | 0%                        | 14-98y-24<br>13-Jun-24  | 12-Jul-24   | 04-Jun-24<br>04-Jul-24                                   | 03-Jul-24<br>02-Aug-24                                      | 22-JER-24<br>21-Feb-24              | 20-Heb-24 21<br>21-Mar-24 21                                    |             |            | +++      | 4-4-   |                            |                  | - -          |                    | d- <del> </del> |               | - <del> </del> |          |          |
| DC.53.31335<br>DC.53.31435  | Scaluk system commissioning Test (Hase 3 PTF Construction)<br>System Commissioning Test  | 30             | 0           | DS-               | 0%                        | 12-JUI-24<br>04-JUI-24  |   | 04-Jul-24<br>04-Jul-24                                   | 02-Aug-24<br>02-Aug-24                                      |                                     | 2 - Mar-24 21<br>19-Apr-24 0                                    |             | 1.1.1.1    |          | 1.1  |                            |                  |              | n -                |                 |               | 1              |          |          |
| Internal Architec   |  | 22             | 0           | DS-               | 076                       | 06-984-24   | 02-40g-24<br>17-30-24                                     | 23-May-24  | 02-Aug-24<br>02-Aug-24                                      | 21-Mar-24<br>22-Jan-24              | 19-Apr-24 0<br>08-Apr-24 14                                     |             |            |          | 1.1  |                            |                  |              | -                  |                 |               |                |          |          |
| DC.S3.3110  | Architectural Works (Internal)   | 58             | 2           | 0%                | 0%                        | 06-989-24   | 17-Jul-24   |  | 02-Aug-24<br>02-Aug-24                                      |                                     | 08-Apr-24 14  |             |            |          | 11   | N I                        |                  |              |                    |                 |               |                |          |          |
| Temporary Flo   | mensee w meter (IICIII)  | 55             | 2           | 0%                | 0.2                       | 06-939-24<br>14-Mar-24  | 17-JUI-24<br>06-Aug-24                                    | 23-May-24<br>08-Apr-24                                   | 02-Aug-24<br>06-Aug-24                                      | 22-Jan-24<br>02-Dec-23              | 32 Apr 24 0   |             |            |          | 11   |                            |                  | . [] 🛛       |                    | 4               |               |                |          |          |
| DC-S3 1550s   | Installation of Temporary Sudge Thiovening System  | 92             | 8           | 0%                | 0%                        | 14-Mar-24<br>14-Mar-24  | 22-14-24  | 08-Apr-24  | 06-Aug-24<br>06-Aug-24                                      |                                     | 23-Apr-24 0<br>10-Apr-24 13                                     | -           |            |          |  |                            |                  |              |                    | <u>.</u>        |               |                |          |          |
| DC.53.15508<br>DC.53.3150   | Installation of removing sudge Trickening system<br>Temporary WAS Pipe Construction from MBR to Sludge Digastor Building with temp pre-thickening system   | 92             | 2           | 0%                | 0%                        | 19-Mar-24   | 12-Apr-24   | 08-Apr-24  |   | 05-Dec-23<br>02-Dec-23              | 10-Apr-24 13<br>29-Dep-23 42                                    | -11         | 1          |          | 11   |                            |                  |              |                    |                 |               | 1              |          |          |
| DC.S3.3150<br>DC.S3.3160  | Temporary VAS Hipe Construction from Mark to Sludge Digestor Building with empire-mokening system.<br>Temporary severage pipe from existing manhole FVH7000149 to manhole FVH21 to isdate Intel Chamber  | 42             | 3           | 0%                | 0%                        | 14-MBF-24<br>06-V8v-24  | 12-Apr-24<br>28-Jur-24                                    | D8-May-24<br>D8-May-24                                   |   | 02-Jec-23<br>22-Jen-24              | 254De0-25 42<br>16-Mar-24 3                                     |             |            |          | 11   |                            |                  |              |                    |                 |               |                |          |          |
| DC.S3.3160<br>DC S3.3170  |  | 42             | 3           | DS.               | 0%                        | 06-98y-24<br>03-Aug-24  |   |  |   | 22-Jen-24<br>20-Apr-24              | 16-Mar-24 3<br>23-Apr-24 0                                      |             |            | 11 i i   | 11   |                            |                  | . [] 🗗       | n E                | 11              |               |                |          |          |
|   | Temporary Flow Diversion to isolate existing preliminary treatment system  | 2              |             | DS-<br>DS-        | 0%                        | 03-Aug-24<br>07-Aug-24  | 06-Aug-24<br>07-May-25                                    | 03-Aug-24  | 06-Aug-24<br>07-May-26                                      | 20-Apr-24<br>24-Apr-24              | 23-Apr-24 0<br>19-Jan-25 0                                      |             | 10.00      |          |  |                            |                  |              | ന്                 | ₩               | _             |                |          |          |
| 00.0000110  | 20 month and an an an all a the state of the based of an anther based on the state of the  |                | 0           |                   |                           |   |   |  |   |                                     |   |             | يترا م مار | 444      | da da  | 4-4-                       |                  |              | 1                  | -               | . Link        | . į            |          | tan adam |
| E&M Works -   | 30-month performance verification (At least 9 months before End of S3)   | 071            |             | D%-               | 0%                        | 07-Aug-24   |   |  | 07-May-26   |                                     | 18-Jan-25 0   |             | 10.00      |          | 11   |                            |                  |              |                    | П               |               |                |          |          |
| E&M Works -<br>DC S3.3180   | 32-month performance verification (At least 3 months before End of S3) (Period from (thito 9th month)  | 274            | U           |                   |                           |   | 22-Jur-24   |  | 03-Jul-24   | 22-Jan-24                           | 11-Mar-24 8   |             | 1110       | 111 1    | 1.1  | 1                          | C 111            |              | u E'               | 111             | 11.1          |                |          |          |
| E&M Works -<br>DC S3.S180<br>Construction   | 33-month performance restriction (At least 3 months before End of S3) (Period from (thillo 9th month)<br>of Underground Utilities  |                |             | DS-               |                           | 06-Vay-24   |   |  |   |                                     |   |             | 1 1 2 2    | 111 1    |  | 1                          |                  |              | a 🖬 🖬 👘            |                 |               |                |          |          |
| E&M Works -<br>DC S3.3180<br>Construction<br>DC S3.5250   | 32-month performance verification (44 last 3 months before End of S2) (Period from (th to Brin month)<br>of Undorgnound Utilities<br>Construction uncerground utilities for MBR Treatment Facilities and Performany Treatment Facilities   | 274            | 2           | DN-<br>DN-        | 0%                        | 06-Vay-24   | 22-Jur-24   |  | 03-Jul-24   | 22-Jan-24                           | 1'-Mar-24 8   |             | 1.00       |          |  |                            |                  |              |                    |                 |               |                |          |          |
| E&M Works -:<br>DC S13130<br>Construction<br>DC S13250<br>PHASE 4 - Dep   | 33-month performance verification (Al least 3 months belt we End of 32) (Perios from On to 3m month)<br>of Underground Utilities<br>Construction anaroground utilities for MBR Treatment Facilies and 9e limnary Treatment Facilies<br>molition of excluding Proliminary Treatment System  | 39             | 2           | DN-               |                           | 06-9xy-24<br>07-Jun-24  | 18-Oci-24   | 20-Jin-24  | 09-Nov-24   | 08-Feb-24                           | 09-JLI-24 22  |             |            |          |  |                            |                  |              | -                  | -               |               |                |          |          |
| E&M Works -:<br>DC S3.3180<br>Construction<br>DC S3.3250<br>PHASE 4 - Del<br>DC S3.4010                                     | 30-orch geformans writetain in Ukaul 3 moths active E of al 31; (Princ from Anto Sminnith)<br>of Underground Utilities<br>Constantin unerground villities br ABR Treatment Facilies and Pelimany Treatment Facilies<br>motificition of colding Preliminary Treatment System<br>Deralisko of cellos (Peri peri peri peri peri peri peri peri p  | 38             | 2           | DN-<br>DN-        | 0%                        | 06-9xy-24<br>07-Jun-24<br>07-Aug-24   | 18-Ocl-24<br>03-Sep-24                                    | 20-Jin-24<br>07-Aug-24                                   | 09-Nav-24<br>03-Sep-24                                      | 08-Feb-24<br>24-Apr-24              | 09-Jul-24 22<br>15-Jun-24 0                                     |             |            |          |  |                            |                  |              | -                  | -               |               |                |          |          |
| E&M Works -:<br>DC S3.3180<br>Construction<br>DC S3.3250<br>PHASE 4 - Del<br>DC S3.4010                                     | 33-month performance verification (Al least 3 months belt we End of 32) (Perios from On to 3m month)<br>of Underground Utilities<br>Construction anaroground utilities for MBR Treatment Facilies and 9e limnary Treatment Facilies<br>molition of excluding Proliminary Treatment System  | 39             | 2           | DN-               |                           | 06-9xy-24<br>07-Jun-24  | 18-Ocl-24<br>03-Sep-24                                    | 20-Jin-24<br>07-Aug-24                                   | 09-Nov-24   | 08-Feb-24<br>24-Apr-24              | 09-JLI-24 22  |             |            |          |  | )                          |                  | -            |                    | -               | -             | -              | -        |          |
| E&M Works -:<br>DC \$3,3180<br>Construction<br>DC \$3,3250<br>PHASE 4 - Del<br>DC \$3,4010                                  | 30-orch geformans writetain in Ukaul 3 moths active E of al 31; (Princ from Anto Sminnith)<br>of Underground Utilities<br>Constantin unerground villities br ABR Treatment Facilies and Pelimany Treatment Facilies<br>motificition of colding Preliminary Treatment System<br>Deralisko of cellos (Peri peri peri peri peri peri peri peri p  | 38             | 2           | DN-<br>DN-        | 0%                        | 06-9xy-24<br>07-Jun-24<br>07-Aug-24   | 18-Ocl-24<br>03-Sep-24                                    | 20-Jin-24<br>07-Aug-24                                   | 09-Nav-24<br>03-Sep-24                                      | 08-Feb-24<br>24-Apr-24              | 09-Jul-24 22<br>15-Jun-24 0                                     |             |            |          |  |                            | -                |              |                    |                 |               | -              |          |          |
| Construction<br>DC S3:3180<br>DC S3:3250<br>PHASE 4 - Del<br>DC S3:4010<br>DC S3:4020                                       | 30-root aperturnation verification (14 kmail Franchis safes E et al 32) (Preac from Chris Sim month)<br>d Indiangement Millitiki<br>Constituction and approximation (14 kmail Franchise T approximation (14 kmail))<br>Constituction of existing (14 proximation) (14 kmail)<br>Devolution of existing (14 proximation) (14 kmail)<br>Devolution (14 kmail)<br>Devol | 38<br>24<br>55 | 2<br>0<br>4 | DN-<br>DN-<br>DN- | 0%<br>0%                  | 06-98y-24<br>07-Jun-24<br>07-Aug-24<br>07-Aug-24  | 18-OcI-24<br>03-Sep-24<br>18-OcI-24                       | 20-Jun-24<br>07-Aug-24<br>29-Aug-24                      | 09-Nov-24<br>03-Sep-24<br>09-Nov-24                         | 08-Feb-24<br>24-Apr-24<br>25-Apr-24 | 09-Jul-24 22<br>15-Jun-24 0<br>09-Jul-24 19                     |             |            |          |  | )                          | Dat              | te           |                    | Revisio         | n l           | Chec           | Ac       | prove    |
| E&M Works -<br>DC 53:3180<br>Construction<br>DC 53:3250<br>PHASE 4 - Der<br>DC 53:4010<br>DC 53:4020<br>Pri                 | 30-roch geformson verification III kanal Anosha sab-s E di di 31( pPice from Anto Sim nonit) of Underground Utilities Constant analogund utilities br MBR Treatment Facilities and Petimeny Treatment Petities mobilition of disabling Preliminary Treatment System Derollo of disabling Preliminary Treatment System Derollo of disabling Preliminary Treatment System Derollo of disabling Antanana and Antana and Antana An  | 38<br>24<br>55 | 2<br>0<br>4 | DN-<br>DN-<br>DN- | 0%<br>0%<br>ISLANDS SEWER | 06-48:9-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>AGE STAGE2 - UPC | 18-0ci-24<br>03-Sep-24<br>18-0ci-24                       | 20-Jun-24<br>07-ALg-24<br>29-ALg-24<br>OF CHEU           | 09-Nov-24<br>03-Sep-24<br>09-Nov-24                         | 08-Feo-24<br>24-Apr-24<br>25-Apr-24 | 06-Jul-24 22<br>15-Jun-24 0<br>06-Jul-24 19<br>SE TREATMENT AND | DISPOS      | SAL F#     | CILITI   | ES   |                            |                  |              |                    |                 | n             | Chec           |          | pprove   |
| 28.4 Works -<br>DC 533180<br>Construction<br>DC 533250<br>HASE 4 - Der<br>DC 534010<br>DC 534020<br>Pri                     | 30-root a performance verification (14 kmail Franchis safes E et al 32) (Piece from Chris Sim month)<br>d Indiangement Millitiki<br>Constances metry provide safes (14 kmail Franchise T and 14 kmail) Transmer Facilies<br>medican of oscieding Panelinniany Transmer System<br>Devolution of oscieding Panelinniany Transmer System<br>Devolution for exciting the party systems provide safes (14 kmail)<br>Abdification of Intel Charther  | 38<br>24<br>55 | 2<br>0<br>4 | DN-<br>DN-<br>DN- | 0%<br>0%<br>ISLANDS SEWER | 06-98y-24<br>07-Jun-24<br>07-Aug-24<br>07-Aug-24  | 18-0ci-24<br>03-Sep-24<br>18-0ci-24                       | 20-Jun-24<br>07-ALg-24<br>29-ALg-24<br>OF CHEU           | 09-Nov-24<br>03-Sep-24<br>09-Nov-24                         | 08-Feo-24<br>24-Apr-24<br>25-Apr-24 | 06-Jul-24 22<br>15-Jun-24 0<br>06-Jul-24 19<br>SE TREATMENT AND | DISPOS      | SAL F4     | CILITI   | ES   |                            | 0-Nov-           | /-22         | Rev. 2             | 20              |               | JL             | CL       | prove    |
| EaM Works -<br>DC 533100<br>DC 53350<br>PHASE 4 - Der<br>DC 534010<br>DC 534020<br>Pri<br>Pri<br>Ac                         | 30-roch geformson serification NL kenil Produkt setter E of d 31; (Privat from find to to in monit) of Underground Utilities Construction unergine of class by ABR Transmert Facilities and Performing Transmert To a lites molition of excising Preliminary Transmert System Denotes of excising in express sectors, preliminary it testiment facilities 5 privary sediment tool Modification of Inst Orantee many Baseline tual Work   | 38<br>24<br>55 | 2<br>0<br>4 | DN-<br>DN-<br>DN- | 0%<br>0%<br>ISLANDS SEWER | 06-48:9-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>AGE STAGE2 - UPC | 15-Oct-24<br>03-Sep-24<br>15-Oct-24<br>GRADING<br>RAMME - | 20-Jin-24<br>07-Aug-24<br>29-Aug-24<br>OF CHEU<br>REV. 2 | 29-Nov-24<br>03-Sep-24<br>29-Nov-24<br>JNG CHA<br>22 (28 F) | 08-Feo-24<br>24-Apr-24<br>25-Apr-24 | 06-Jul-24 22<br>15-Jun-24 0<br>06-Jul-24 19<br>SE TREATMENT AND | DISPOS      | SAL F#     | CILITI   | ES   | 31                         | 0-Nov-<br>1-Dec- | /-22<br>:-22 | Rev. 2<br>Rev. 2   | 20<br>21        |               | JL<br>JL       | CL<br>CL | prove    |
| E&M Works -<br>DC 533180<br>Construction<br>DC 533250<br>PHASE 4 - Der<br>DC 534010<br>DC 534020<br>Pri<br>AC               | 35-roch server non-vertical roll kinal incredu sets 5 of d 31(Piece from the 6 minore)  Constored of Underground Unities Constored and the 6 minore)  Constored of Underground Unities & Delta Transmer Settings Developed receipting the previous System Inary Baseline Lucal Work Inary Maximum System  | 38<br>24<br>55 | 2<br>0<br>4 | DN-<br>DN-<br>DN- | 0%<br>0%<br>ISLANDS SEWER | 06-48:9-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>AGE STAGE2 - UPC | 15-Oct-24<br>03-Sep-24<br>15-Oct-24<br>GRADING<br>RAMME - | 20-Jun-24<br>07-ALg-24<br>29-ALg-24<br>OF CHEU           | 29-Nov-24<br>03-Sep-24<br>29-Nov-24<br>JNG CHA<br>22 (28 F) | 08-Feo-24<br>24-Apr-24<br>25-Apr-24 | 06-Jul-24 22<br>15-Jun-24 0<br>06-Jul-24 19<br>SE TREATMENT AND | DISPOS      | SAL FA     | CILITI   | ES   | 31                         | 0-Nov-           | /-22<br>:-22 | Rev. 2             | 20<br>21        |               | JL             | CL       | prove    |
| E&M Works -<br>DC 513130<br>Construction<br>DC 513250<br>PHASE 4 - Der<br>DC 534010<br>DC 534020<br>Pri<br>ACC<br>Ref<br>Cr | 30-roch geformson serification NL kenil Produkt setter E of d 31; (Privat from find to to in monit) of Underground Utilities Construction unergine of class by ABR Transmert Facilities and Performing Transmert To a lites molition of excising Preliminary Transmert System Denotes of excising in express sectors, preliminary it testiment facilities 5 privary sediment tool Modification of Inst Orantee many Baseline tual Work   | 38<br>24<br>55 | 2<br>0<br>4 | DN-<br>DN-<br>DN- | 0%<br>0%<br>ISLANDS SEWER | 06-48:9-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>07-8:0-24<br>AGE STAGE2 - UPC | 15-Oct-24<br>03-Sep-24<br>15-Oct-24<br>GRADING<br>RAMME - | 20-Jin-24<br>07-Aug-24<br>29-Aug-24<br>OF CHEU<br>REV. 2 | 29-Nov-24<br>03-Sep-24<br>29-Nov-24<br>JNG CHA<br>22 (28 F) | 08-Feo-24<br>24-Apr-24<br>25-Apr-24 | 06-Jul-24 22<br>15-Jun-24 0<br>06-Jul-24 19<br>SE TREATMENT AND | DISPOS      | SAL FA     | CILITI   | ES   | 31                         | 0-Nov-<br>1-Dec- | /-22<br>:-22 | Rev. 2<br>Rev. 2   | 20<br>21        |               | JL<br>JL       | CL<br>CL | oprove   |



| the D   | Lukida Maas  | Of Burney                       | 704.14           | Time Discoul V | ( at all       | Laboral Front          | Astron Dalah  | Easts Staat   | Fach: Einish  | Late Chief   | 1 as Ficks  | Easte Staat (Day                    | Easts Similah Tatal Amand  | ul 2021 1022   | 2022 2024 2015 2020  |
|---|--|---------------------------------|------------------|----------------|----------------|------------------------|---------------|---|---|--|---|-------------------------------------|--|--|--|
| nty to  | Acostry Name   | on, bur (a)                     | TRAC (d)         | The Eupled X   | Workdone %     | Acts a start           | Actual Hiniba | Early Start   | Early Finish  | Lite Start   |   | Early Start (Rev.<br>20)            | (Rev. 20) Float Activiti   |  | Q1 02 03 04 01 02 03 04 01 02 03 04 01 02  |
| DC 83.4025  | Notification to CLP for Demolition of Existing Transformer House   | 1                               | 0                | 0%             | 0%             |                        |               | 07-Jun-24   | 07-Jur-24   | 20-Jin-24  | 20-Jun-24   | 06-Feb-24                           | 10-Feb-24 13   |  |  |
| DC 53.4030<br>DC 53.4031  | Demolition of existing Transformer House<br>Ground Investigation (7 nos. 1 nis. 1 term)  | 38                              | 3                | 0%<br>0%       | 0%             |                        |               | 07-Aug-24<br>07-Aug-24  | 25-Sep-24<br>03-Sep-24                                    | 20-ALg-24<br>07-ALg-24                                   | 09-Oct-24<br>03-Sep-24                                      | 24-Apr-24<br>18-May-24              | 14-Jun-24 11<br>15-Jun-24 0                                      |  |  |
| DC 53.4031<br>DC 53.4040  | Cround Intestigation (2 nos, 1 ng, 1 term)<br>Disconnecting data link of removed existing equipment from the existing SCADA system (Phase 4 Demolition Existing PTS)   | 4                               | 3                | D%             | 0%             |                        |               | 20-Sep-24   | 26-Sep-24   | 03-Nov-24  | 03-560-24<br>09-Nov-24                                      | 03-Jul-24                           | 15-JUI-24 U<br>05-JUI-24 44                                      |  | i la   |
| PHASE 5 - Co  | 5 511 5 7 C 5 1  |                                 | 3                | 42.51%         | 0,4            | 12-Jul-21              |               | 12-Joi-21 A   | 13-May-25   | 11-Jun-22  | 13-May-25   | 12-Jul-21                           | 02-06-25 0   | and the second s |  |
|   | of WAS Storage Tank of Sludge Centrifuge House   |                                 |                  | 0%             |                |                        |               | 02-Jan-24   | 30-Nov-24   | 24-Jan-24  | 23-Dec-24   | 30-Nov-23                           | 07-Nov-24 19   |  |  |
| Civil & Structura   |  |                                 |                  | DS-            |                |                        |               | 02-Jan-24   | 30-Nov-24   | 24-Jan-24  | 23-Dec-24   | 30-Nov-23                           | 07-Nov-24 19   |  |  |
| DC.53.3190  | Piling works for pre-bored sockel H-piles (14 ros. dis.010 x 14m, 1 teams)   | 28                              | 4                | DS-            | 0%             |                        |               | 02-Jan-24   | 05-Feb-24   | 24-Jan-24  | 01-Mar-24   | 30-Nov-23                           | 06-Jan-24 19   |  |  |
| DC.83.3200  | Installation of sheet piles and Proof Drift  | 30                              | 2                | D'S-           | 0%             |                        |               | 08-Feb-24   | 16-Har-24   | 02-Mar-24  | 12-Apr-24   | 08-Jan-24                           | 22-Feb-24 19   |  |  |
| DC.83.3201  | Pile Leading Test of Tension Pile  | 6                               | 1                | 0%             | 0%             |                        |               | 15-Mar-24   | 25-Har-24   | 13-Apr-24  | 20-Apr-24   | 23-Feo-24                           | 0'-Mar-24 19   |  |  |
| DC.83.3210<br>DC.83.3220  | Excevation and installation of ELS for WAS Storage Tank  | 60<br>70                        | 2                | 0%             | 0%             |                        |               | 28-Mar-24<br>14-Jun-24  | 13-Jur-24<br>05-Sep-24                                    | 22-701-24  | 06-Jul-24<br>28-Sep-24                                      | 02-Mar-24<br>21-May-24              | 20-May-24 19   |  |  |
| DC.S3.3220<br>DC.S3.3230  | Construction of RC Structure (below ground)<br>Removal of formworks, fakeworks, application of osterpropring, backfilling and removal of ELS   | 12                              | 1                | 0%             | 0%             |                        |               | 14-JU1-24<br>06-Sep-24  | 05-Sep-24<br>23-Sep-24                                    | 08-Jul-24<br>30-Sep-24                                   | 28-560-24<br>17-Oct-24                                      | 21-May-24<br>14-Aug-24              | 13-Aug-24 19<br>28-Aug-24 19                                     |  |  |
| DC.53.3240  | Construction of RC Structure (above ground)  | 55                              | 2                | 0%             | 0%             |                        |               | 24-Sep-24   | 20-5ep-24<br>30-5cp-24                                    |  | 23-Dec-24   | 30-Aug-24                           | 28-A0g-24 19<br>07-Nov-24 19                                     |  |  |
|   | of Effluent Reuse Building   |                                 |                  | 42.72%         |                | 12-Jul-21              |               | 12-Jul-21.A   | 06-May 25   | 23-Apr-23  | 07-May-25   | 12-Jul-21                           | 24-Feb-25 1  |  |  |
| Procurement, F  | abrication and Delivery of Major E&M Equipment   |                                 |                  | 50.68%         |                | 12-Jul-21              |               | 12-Jul-21 A   | 29-Sep-24   | 23-Apr-23  | 22-Nov-24   | 12-Jul-21                           | 29-Aug-24 54   |  |  |
| DC.S3.5125a   | Tendering of Subcontrator  | 45                              | 0                | 100%           | 100%           | 12-Jul-21              | 25-Aug-21     | 12-Jul-21 A   | 25-ALG-21 A   |  |   | 12-Jul-21                           | 25-Aug-21  |  |  |
| DC.S3.5125b   | Equipment Submission and Approval  | 681                             | 0                | 80.91%         | 40%            | 28-Aug-21              |               | 28-Aug-21 A   |   |  | 30-Aug-23   | 26-Aug-21                           | 08-Jun-23 54   |  |  |
| DC.S3.5130a<br>DC.S3.5130b  | Procurement  | 90 240                          | 0                | 0%             | 0%             |                        |               | 08-Jul-23   | 05-Oct-23   |  | 28-Nov-23   | 07-Jun-23                           | 04-Sep-23 54   |  | and a state the second state of a |
| DC.83.51300<br>DC.83.5130c  | Fabrication Delivery   | 240                             | 0                | 0%             | 0%             |                        |               | 06-0ct-23<br>02-Jun-24  | 01-Jur-24<br>29-Sep-24                                    | 29-Nov-23<br>26-Jul-24                                   | 25-Jul-24<br>22-Nov-24                                      | 05-Sep-23<br>02-May-24              | 01-May-24 54<br>28-Auc-24 54                                     |  |  |
| Chill& Structure  |  | 120                             | 0                | 0%             | 0%             |                        |               | 04-Sep-24   | 29-56p-24   | 05-Sep-24  | 20-Dec-24   | 17-Jun-24                           | 12-0ot-24 04   |  |  |
| DC.S3.5142a   | Installation of size pile well of ELS (55 nos. die323 x 8m, 1 teem)  | 12                              | 1                | 0%             | 63%            |                        |               | 04-Sep-24   | 19-Sep-24   | 05-Sep-24  |   | 17-JLn-24                           | 15-Jul-24 1  |  |  |
| DC.S3.5142b   | Proof Drill  | 7                               | 2                | D%             | 03.            |                        |               | 20-Sep-24   | 30-Sep-24   | 25-Sep-24  | 05-Oct-24   | 11-Jul-24                           | 24-Jul-24 4  |  |  |
| DC.S3.5150  | Grout Curtain Works  | 11                              | 1                | D%             | 0%             |                        |               | 20-Sep-24   | 04-Cc1-24   | 21-Sep-24  | 05-Oct-24   | 11-Jul-24                           | 24-Jul-24 1  |  |  |
| DC.S3.5160  | Installation of ELS and Excavation for basement(970m3 exca, 1/earr)  | 11                              | 1                | 0%             | 0%             |                        |               | 05-0cl-24   | 19-Oc1-24   | 07-Oct-24  | 21-0cl-24   | 25-Jul-24                           | 07-Aug-24 1  |  |  |
| DC.S3.5170  | Construction of RC structure (bolow ground, 437m3)   | 22                              | 1                | 0%             | 0%             |                        |               | 21-0ct-24   | 15-Nov-24   | 22-Oct-24  | 16-Nov-24   | 08-Aug-24                           | 04-Sep-24 1  |  |  |
| DC.83.5180<br>DC.83.5190  | Removal of formworks, fakeworks, application of eaterproofing, backfilling and removal of ELS<br>Construction of RC Structure (above ground, 213m3)  | 5 22                            | 1                | 0%             | 0%<br>0%       |                        |               | 16-Nor-24<br>23-Nor-24  | 22-Nov-24<br>19-Dec-24                                    | 18-Nov-24<br>25-Nov-24                                   | 23-Nov-24   | 05-Sep-24<br>12-Sep-24              | 11-Sep-24 1<br>12-Ont-24 1                                       |  |  |
| ESM Works   | Construction of HC Structure (above ground, 213m3)   | 22                              |                  | 0%             | 0%             |                        |               | 23-307-24<br>22-Nor-24  | 19-De0-24<br>06-May-26                                    | 23-NOV-24  | 20-Dec-24<br>07-blay-25                                     | 12-Stp-24<br>12-Stp-24              | 12-005-24 1<br>24-Feb-25 1                                       |  | 1  |
| DC.83.5210  | E&MLVSB and BS Installation (UV system, Chemical tanks and dosing system and etc.)   | 67                              | 5                | 0%             | 03,            |                        |               | 22-Nov-24   | 20-Feb-25   | 23-Nov-24  | 21-Feb-25   | 12-Sep-24                           | 07-Dec-24 1  |  |  |
| DC.S3.5220a   | SCADA System Site Acceptance Test (Press 5 Effuent Reuse Construction)   | 62                              | 0                | DN-            | 0%             |                        |               | 07-Jan-25   | 07-Har-25   | 08-Jan-25  | 08-b/ar-25  | 28-Oci-24                           | 26-Dec-24 1  |  | /  |
| DC.S3.5220b   | SCADA System Commissioning Test (Phase 5 Effuent Reuse Construction)   | 60                              | 0                | D%             | 0%             |                        |               | 05-Mar-25   | 06-May-25   | 09-Mar-25  | 07-May-25   | 27-Dec-24                           | 24-Feb-25 1  |  |  |
| DC.83.5230b   | System Commissioning Test  | 30                              | 0                | 0%             | 0%             |                        |               | 07-Apr-25   | 06-May-25   | 08-Apr-25  | 07-May-25   | 27-Dec-24                           | 24-Feb-25 1  |  |  |
| Internal Architor   |  |                                 |                  | 0%             |                |                        |               | 20-Dec-24   | 10-Apr-25   | 15-Jan-25  | 07-May-25   | 14-Oc1-24                           | 01-Feb-25 19   |  |  |
| DC.83.5200  | Architectural Works (internal)   | 84                              | 6                | 0%<br>42.51%   | 0%             | 12-16-21               |               | 20-Dec-24<br>12-Jul-21 A                                      | 10-Apr-25<br>13-May-25                                    | 15-Jan-25<br>14-May-23                                   | 07-May-25<br>13-May-25                                      | 14-Oct-24<br>12-04-21               | 01-Feb-25 19<br>08-Are-25 0                                      |  |  |
| Programment E   | of Sludge Centrifuge Building & Genset and Fuel Tank Rooms<br>fabrication and Delivery of Major ESM Equipment  |                                 |                  | 42.51%         |                | 12-Jul-21              |               | 12-Jul-21 A<br>12-Jul-21 A                                    | 13-May-25<br>09-Oct-24                                    | 14-May-23<br>14-May-23                                   |   | 12-00-21                            | 08-Apr-2a 0<br>08-Ser-24 75                                      |  |  |
| DC.S3.5005a   | Tenderira of Subcontrator  | 45                              | -0               | 100%           | 100%           | 12-Jul-21              | 25-Aug-21     | 12-Jul-21.A   | 25-ALg-21 A   |  |   | 12-Jul-21                           | 25-Aug-21  |  |  |
| DC.S3.5005b   | Equipment Submission and Approval  | 691                             | 0                | 73.74%         | 43%            | 28-Aug-21              |               | 26-Aug-21 A   | 17-Jul-23   | 14-May-23  | 30-Sep-23   | 26-Aug-21                           | 16-Jun-23 75   |  |  |
| DC.53.5010a   | Procurement  | 45                              | 0                | D.N.           | 0%             |                        |               | 18-Jui-23   | 31-Aug-23   | 01-Ocl-23  | 14-Nov-23   | 17-Jun-23                           | 31-Jul-23 75   |  |  |
| DC.83.50105   | Fabrication  | 225                             | 9                | 0%             | 0%             |                        |               | 01-Sep-23   | 12-Apr-24   |  | 26-Jun-24   | 01-Aug-23                           | 12-Mar-24 75   |  |  |
| DC.83.5010c   | Deirery  | 150                             | 0                | 0%             | 0%             |                        |               | 13-Apt-24   | 09-CcI-24   |  | 23-Doc-24   | 13-Mar-24                           | 08-Sep-24 75   |  |  |
| Civil & Structura<br>DC.S3.5020a  | Piling works for pre-borec socket H-ples (24 ros, dir810 x 15m, 1team)   | 20                              |                  | 0%<br>0%       | 0%             |                        |               | 28-Aug-24<br>28-Aug-24  | 23-Dec-24<br>21-Sep-24                                    | 28-ALg-24<br>28-ALg-24                                   | 23-Dec-24<br>21-Sep-24                                      | 08-Jun-24<br>08-Jun-24              | 21-Nov-24 0<br>11-Jul-24 0                                       |  |  |
| DC.S3.5030  | Installation of pipe pie wall of ELS (80 nos. dia323 x 6m, 1 terms)  | 12                              | 1                | 0%             | 0%             |                        |               | 10-Sep-24   | 25-Sep-24   | 10-Sep-24  | 25-Sep-24   | 29-Jun-24                           | 27-Jul-24 0  |  |  |
| DC.S3.5040  | Graut Curtain Warks  | 9                               | 1                | 0%             | 03,            |                        |               | 26-Sep-24   | 08-Oct-24   | 26-Sep-24  | 08-Oct-24   | 29-Jul-24                           | 17-Aug-24 0  |  |  |
| DC.53.5050  | Excavation for purpting tank (130n3 exca, 1team)   | 11                              | 1                | DS-            | 0%             |                        |               | 09-0ct-24   | 23-OcI-24   | 09-Oct-24  | 23-Oct-24   | 19-Aug-24                           | 3'-Aug-24 0  |  |  |
| DC.53.5960  | Construction of RC structure (below ground, 887 m3)  | 22                              | 1                | DS-            | 0%             |                        |               | 24-0cl-24   | 19-Nov-24   | 24-Oct-24  | 19-Nov-24   | 02-Sep-24                           | 30-Sep-24 0  |  |  |
| DC.83.5070  | Removal of formetorks, fakeworks, application of waterproping, backfilling and removal of ELS  | 5                               | 1                | 0%             | 0%             |                        |               | 20-\\o+-24  | 26-Nov-24   | 20-Nov-24  | 26-Nov-24   | 02-OcI-24                           | 09-Ocl-24 0  |  |  |
| DC.83.5080  | Construction of RC Structure (above ground, 1310 m3)   | 22                              | 1                | 0%             | 0%             |                        |               | 27-Nor-24<br>24-Dec-24  | 23-Dec-24<br>13-May-25                                    | 27-Nov-24  | 23-Det-24<br>13-May-25                                      | 10-0cl-24                           | 21-Nov-24 0  |  |  |
| DC \$3,5100   | E&H(LVSB and BS Installation (certifluges and its auxiliary equipment and Polymer preparation system)  | 55                              | 0                | 0%             | 0%             |                        |               | 24-Dec-24<br>24-Dec-24  | 13-May-25<br>04-Har-25                                    | 24-Dec-24  | 13-May-25<br>04-Mar-25                                      | 22-Nov-24<br>22-Nov-24              | 08-Apr-25 0<br>28-Jan-25 0                                       |  |  |
| DC.S3.5100<br>DC.S3.5110a   | EXMLVSH and tis installation (certimuges and its auxiliary equipment and Polymer preparation system)<br>SCADA System Site Accentance Test (Prase 5 Studie Centrifune Construction)   | 30                              | 0                | 0%             | 0%             |                        |               | 24-Dec-24<br>24-Dec-24  | 04-987-25<br>22-Jan-25                                    | 24-Dec-24<br>03-Feb-25                                   | 04-Mar-25<br>04-Mar-25                                      | 22-Nov-24<br>22-Nov-24              | 28-Jan-25 0<br>21-Dec-24 41                                      |  |  |
| DC.S3.5110b   | SCADA System Commissioning Test (Prase 5 Sudge Centrituge Construction)  | 30                              | 0                | 0%             | 0%             |                        |               | 23-Jan-25   | 21-Feb-25   | 05-Mar-25  | 03-Apr-25   | 22-307-24<br>22-Dec-24              | 20-Jan-25 41   |  | ┍┨┫╕╶┨╪╎╸╬╫╴┋╣╢┥╎┠╠╸ <mark>╗</mark> ╺┟┊╸╸╸╸╸╸╸╸╸   |
| DC.S3.5120b   | System Commissioning Test  | 30                              | 0                | DS-            | 0%             |                        |               | 05-Mar-25   | 03-Apr-25   | DS-Mar-25  | 03-Apr-25   | 29-Jan-25                           | 27-Feb-25 0  |  |  |
| DC.S3.5120c   | Final System Commissioning Test  | 30                              | 0                | DS-            | 0%             |                        |               | 04-Apr-25   | 03-h/ay-25  | 04-Apr-25  | 03-May-25   | 28-Feb-25                           | 29-Mar-25 0  |  |  |
| DC.S3.5120c10   |  | 10                              | 0                | D'S-           | 0%             |                        |               | 04-9ay-25   | 13-h/ay-25  | 04-May-25  |   | 30-\far-25                          | 08-Apr-25 0  |  |  |
| Internal Architer   |  |                                 |                  | 0%             |                |                        |               | 24-Dec-24   | 14-Apr-25   | 21-Jan-25  | 13-May-25   | 22-Nov-24                           | 13-Mar-25 21   |  |  |
| DC.S3.5090  | Architectural Works (Internal)<br>of FS Pumproom and Pumproom  | 84                              | 6                | 0%<br>38.54%   | 0%             | 01-Nov-21              |               | 24-Dec-24<br>01-Nov-21 A                                      | 14-Apr-25<br>09-Apr-25                                    | 21-Jan-25<br>07-Jun-23                                   | 13-May-25<br>07-May-25                                      | 22-Nov-24<br>01-Nov-21              | 13-Mar-25 21<br>13-Mar-25 28                                     |  |  |
|   | of FS Pumproom and Pumproom<br>fabrication and Delivery of Najor E&M Equipment   |                                 |                  | 45.83%         |                | 01-Nov-21<br>01-Nov-21 |               | 01-Nov-21 A<br>01-Nov-21 A                                    | 21-Sep-24   | 07-Jin-23<br>07-Jin-23                                   | 29-Dec-24   | 01-Nov-21<br>01-Nov-21              | 13-Mar-25 28<br>21-Aug-24 89                                     |  |  |
|   | Tendering of Subcontrator for Fire Services  | 37                              | a                | 100%           | 100%           | 01-Nov-21              | 07-Dec-21     | 01-Nov-21 A   | 07-Dec-21 A   |  |   | 01-Nov-21                           | 07-Dec-21  |  |  |
| DC.S3.5235a   |  | 559                             | 0                | 78.56%         | 40%            | 08-Dao-21              |               | 06-Dec-21 A   |   | 07-Jin-23  | 06-0ct-23   | 08-Dec-21                           | 29-May-23 99   |  | <b>→</b>   |
| DC.S3.5235b   | Equipment Submission and Approval  |                                 |                  | D%             | 0%             |                        |               | 30-Jun-23   | 27-Sep-23   | 07-Oct-23  | 04-Jan-24   | 30-May-23                           | 27-Aug-23 99   |  |  |
| DC.S3.52355<br>DC.S3.5240a  | Equipment Submission and Approval<br>Procurement of EL Equipment   | 90                              | 0                |                |                |                        |               | 28-Sep-23   | 24-h/ay-24  | 05-Jan-24  | 31-Aug-24   | 28-Aug-23                           | 23-Apr-24 99   |  |  |
| DC.53.52355<br>DC.53.5240a<br>DC.53.5240b   | Epu prem Submission and Approval<br>Procument of EL Equipment<br>Fabrication of EL Equipment   | 240                             | 0                | D%             | 0%             |                        |               |   |   |  |   |                                     |  |  |  |
| DC.S3.52355<br>DC.S3.5240a<br>DC.S3.5240b<br>DC.S3.5240c  | Eq. prent Submission and Approval<br>Procument of EL Exoperant<br>Fabrication of EL Exoperant<br>Delarkory of EL Exoperant   | 240<br>120                      | 0                | 0%             | 0%             |                        |               | 25-day-24   |   | 01-Sep-24  |   | 24-Apr-24                           | 21-Aug-24 89   |  |  |
| DC.53.52356<br>DC.53.5240a<br>DC.53.5240b<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240d  | Exp prest Submission and Apponal<br>Procurations of EL Equipment<br>Publication of EL Equipment<br>Delities of EL Equipment<br>Procurations of St propi  | 240<br>120<br>150               | 0                | 0%<br>0%       | 0%<br>0%       |                        |               | 25-9ay-24<br>30-Jun-23  | 26-Nov-23   | 07-Oct-23  | 04-Mar-24   | 30-May-23                           | 26-Oct-23 89   |  |  |
| DC.53.5235b<br>DC.53.5240a<br>DC.53.5240b<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240d<br>DC.53.5240e   | Exp prover Submission and Appoinal<br>Procumentor of EL Exploremit<br>Deline-y of EL Exploremit<br>Deline-y of EL Exploremit<br>Procumentor of TS pump   | 240<br>120<br>150<br>200        | 0 0 0            | 0%<br>0%<br>0% | 0%<br>0%<br>0% |                        |               | 25-Hay-24<br>30-Jun-23<br>27-Nor-23                           | 26-Nov-23<br>13-Jun-24                                    | 07-Oct-23<br>05-Mar-24                                   | 04-Mar-24<br>20-Sep-24                                      | 30-May-23<br>27-Oct-23              | 26-Oct-23 99<br>13-May-24 99                                     |  |  |
| DC.53.52356<br>DC.53.5240a<br>DC.53.5240b<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240d  | Exp prest Submission and Apponal<br>Procurations of EL Equipment<br>Publication of EL Equipment<br>Delities of EL Equipment<br>Procurations of St propio   | 240<br>120<br>150               | 0                | 0%<br>0%       | 0%<br>0%       |                        |               | 25-9ay-24<br>30-Jun-23  | 26-Nov-23<br>13-Jun-24                                    | 07-Oct-23<br>05-Mar-24                                   | 04-Mar-24   | 30-May-23                           | 26-Oct-23 89   |  |  |
| DC.83.5235b<br>DC.83.5240a<br>DC.83.5240b<br>DC.83.5240b<br>DC.83.5240c<br>DC.83.5240d<br>DC.83.5240e<br>DC.83.5240e  | Exp prover Submission and Appoinal<br>Procumentor of EL Explorent<br>Deline-y of EL Explorent<br>Procurement of IS pumps<br>Procurement of IS pumps  | 240<br>120<br>150<br>200<br>100 | 0<br>0<br>0<br>0 | 0%<br>0%<br>0% | 0%<br>0%<br>0% | SEWER                  | AGE STA       | 25-9ay-24<br>30-Jun-23<br>27-Nor-23<br>14-Jun-24              | 26-Nov-23<br>13-Jun-24<br>21-Sep-24                       | 07-Oct-23<br>05-Mar-24<br>21-Sep-24                      | 04-Mar-24<br>20-Sep-24<br>29-Dec-24                         | 30-May 23<br>27-Oct-23<br>14-May-24 | 26 Oct 23 99<br>13 May-24 99<br>2*-Aug-24 99                     | DISPOSAL FACILITIES  | Date Revision Chec App   |
| DC.83.52355<br>DC.83.5240a<br>DC.83.5240a<br>DC.83.5240a<br>DC.83.5240a<br>DC.83.5240a<br>DC.83.5240a<br>DC.83.5240a<br>DC.83.5240a   | Equ prevel Submixiar and Approval<br>Procurement of Exclorement<br>Pateration of El Esclorement<br>Delinery of El Esclorement<br>Procurement of Els purpos<br>Procurement of Els purpos<br>Delinery of Els purpos  | 240<br>120<br>150<br>200<br>100 | 0<br>0<br>0<br>0 | 0%<br>0%<br>0% | 0%<br>0%<br>0% |                        |               | 25-909-24<br>30-Jun-23<br>27-Nor-23<br>14-Jun-24<br>GE2 - UPG | 26-Nov-23<br>13-Jun-24<br>21-Sep-24<br>RADING (           | 07-0ct-23<br>05-Mar-24<br>21-Sep-24                      | 04-Mar-24<br>20-Sep-24<br>29-Dec-24                         | 30-May 23<br>27-Oct-23<br>14-May 24 | 26-0ct 23 99<br>13-May-24 89<br>2*-Aug-24 89<br>GE TREATMENT AND | DISPOSAL FACILITIES  | 30-Nov-22 Rev. 20 JL CL  |
| DC33.5255<br>DC33.5240a<br>DC33.5240a<br>DC33.5240c<br>DC33.5240c<br>DC33.5240c<br>DC33.5240c<br>DC33.5240c<br>PC33.5240c<br>DC33.5240c<br>DC33.5240c<br>DC33.5240c<br>DC33.5240c | Bay previ Submixis and Approval Porcumeror BL subpreval Fabruation of BL Equipment Deliney of BL Spanin Fabruation of Spanipa Fabruation of SP parapa  | 240<br>120<br>150<br>200<br>100 | 0<br>0<br>0<br>0 | 0%<br>0%<br>0% | 0%<br>0%<br>0% |                        |               | 25-9ay-24<br>30-Jun-23<br>27-Nor-23<br>14-Jun-24              | 26-Nov-23<br>13-Jun-24<br>21-Sep-24<br>RADING (<br>AMME - | 07-Oct-23<br>05-Mar-24<br>21-Sep-24<br>OF CHEU<br>REV. 2 | 04-Mar-24<br>20-Sep-24<br>29-Dec-24<br>JNG CHA<br>22 (28 Fe | 30-May 23<br>27-Oct-23<br>14-May 24 | 26-0ct 23 99<br>13-May-24 89<br>2*-Aug-24 89<br>GE TREATMENT AND | DISPOSAL FACILITIES  | 30-Nov-22         Rev. 20         JL         CL           31-Dec-22         Rev. 21         JL         CL      |
| DC.53.52556<br>DC.53.5240a<br>DC.53.5240a<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240c<br>DC.53.5240c<br>Pr<br>Action Res                           | Equ presi Submixia ani Agonal Pocumera di Logiandi Pocumera di Logiandi Pocumera di Supara Pocumera di Supara Pocumera di Supara Delevy di Sup | 240<br>120<br>150<br>200<br>100 | 0<br>0<br>0<br>0 | 0%<br>0%<br>0% | 0%<br>0%<br>0% |                        |               | 25-909-24<br>30-Jun-23<br>27-Nor-23<br>14-Jun-24<br>GE2 - UPG | 26-Nov-23<br>13-Jun-24<br>21-Sep-24<br>RADING (<br>AMME - | 07-0ct-23<br>05-Mar-24<br>21-Sep-24                      | 04-Mar-24<br>20-Sep-24<br>29-Dec-24<br>JNG CHA<br>22 (28 Fe | 30-May 23<br>27-Oct-23<br>14-May 24 | 26-0ct 23 99<br>13-May-24 89<br>2*-Aug-24 89<br>GE TREATMENT AND | DISPOSAL FACILITIES  | 30-Nov-22 Rev. 20 JL CL  |
| DC:53:52555<br>DC:53:5240a<br>DC:53:5240a<br>DC:53:5240b<br>DC:53:5240b<br>DC:53:5240c<br>DC:53:5240c<br>DC:53:5240c<br>Pr<br>Acc<br>Re<br>Cr                                     | Equipment Submixed and Agonal Porcumers of Exponent Delevy of FSpunds Undel Vork emiabling Work efficial Remaining Work  | 240<br>120<br>150<br>200<br>100 | 0<br>0<br>0<br>0 | 0%<br>0%<br>0% | 0%<br>0%<br>0% |                        |               | 25-909-24<br>30-Jun-23<br>27-Nor-23<br>14-Jun-24<br>GE2 - UPG | 26-Nov-23<br>13-Jun-24<br>21-Sep-24<br>RADING (<br>AMME - | 07-Oct-23<br>05-Mar-24<br>21-Sep-24<br>OF CHEU<br>REV. 2 | 04-Mar-24<br>20-Sep-24<br>29-Dec-24<br>JNG CHA<br>22 (28 Fe | 30-May 23<br>27-Oct-23<br>14-May 24 | 26-0ct 23 99<br>13-May-24 89<br>2*-Aug-24 89<br>GE TREATMENT AND | DISPOSAL FACILITIES  | 30-Nov-22         Rev. 20         JL         CL           31-Dec-22         Rev. 21         JL         CL      |
| DC.53.52856<br>DC.53.5245a<br>DC.53.5245b<br>DC.53.5245b<br>DC.53.5245c<br>DC.53.5245c<br>DC.53.5245c<br>Pr<br>Acc<br>Re<br>Cr  | Equ presi Submixia ani Agonal Pocumera di Logiandi Pocumera di Logiandi Pocumera di Supara Pocumera di Supara Pocumera di Supara Delevy di Sup | 240<br>120<br>150<br>200<br>100 | 0<br>0<br>0<br>0 | 0%<br>0%<br>0% | 0%<br>0%<br>0% |                        |               | 25-909-24<br>30-Jun-23<br>27-Nor-23<br>14-Jun-24<br>GE2 - UPG | 26-Nov-23<br>13-Jun-24<br>21-Sep-24<br>RADING (<br>AMME - | 07-Oct-23<br>05-Mar-24<br>21-Sep-24<br>OF CHEU<br>REV. 2 | 04-Mar-24<br>20-Sep-24<br>29-Dec-24<br>JNG CHA<br>22 (28 Fe | 30-May 23<br>27-Oct-23<br>14-May 24 | 26-0ct 23 99<br>13-May-24 89<br>2*-Aug-24 89<br>GE TREATMENT AND | DISPOSAL FACILITIES  | 30-Nov-22         Rev. 20         JL         CL           31-Dec-22         Rev. 21         JL         CL      |



|                            |  |              |          |                |                      |              |               |                          |                        |                            |                        |                          |  | _  |   |              |                       |                     |              |                            |
|----------------------------|--|--------------|----------|----------------|----------------------|--------------|---------------|--------------------------|------------------------|----------------------------|------------------------|--------------------------|--|--|---|--------------|-----------------------|---------------------|--------------|----------------------------|
| tvity ID                   | Activity Name  | Orl. Dur (d) | TRA (d)  | Time Elapsed % | Actual<br>Workdone 5 | Actual Start | Actual Finish | Early Start              | Early Finish           |                            | ate Finish             | Early Start (Rev.<br>20) | Early Finish Total Amended<br>(Rev. 20) Float Activities | 2021<br>Q1 Q2 Q3 Q                             | 2022<br>14 Q1 Q2 Q3 1   | 20           | 03 04 01              | 2024<br>Q2 Q3 Q4 Q1 | 2025         | 2026 200<br>Q1 Q2 Q3 Q4 Q1 |
| DC:\$3.5240g               | Procurement of FRP water tanks   | 150          | 0        | 0%             | 0%                   |              |               | 30-Jun-23                | 26-Nov-23              |                            | )4-blar-24             | 30-May-23                | 26-Oct-23 89   |  |   | 11-4         |                       |                     |              |                            |
| DC.83.5240h                | Fabrication of FRP water tanks   | 200          | 0        | 0%             | 0%                   |              |               | 27-Nov-23                | 13-Jur-24              |                            | 20-Sep-24              | 27-Oct-23                | 13-May-24 89   |  |   |              |                       | <b>+</b>            | 1            |                            |
| DC.S3.5240i                | Delivery of FRP water tanks  | 100          | 0        | 0%             | 0%                   |              |               | 14-Jun-24                | 21-Sep-24              |                            | 29-Dec-24              | 14-May-24                | 21-Aug-24 89   |  |   |              |                       |                     |              |                            |
| DC.S3.5240j                | Procurement of sumps   | 150          | 0        | D%<br>D%       | 0%                   |              |               | 30-Jun-23                | 26-Nov-23              |                            |                        | 30-May-23                | 26-Oct-23 99   |  |   |              |                       |                     |              |                            |
| DC.53.5243k<br>DC.53.5243i | Fabrication of pumps<br>Delivery of pumps  | 200          | 0        | D%-            | 0%                   |              |               | 27-No+-23<br>14-Jun-24   | 13-Jun-24<br>21-Sep-24 |                            | 20-Sep-24<br>29-Dec-24 | 27-Ocl-23<br>14-May-24   | 13-May-24 99<br>21-Aug-24 99                             |  |   |              |                       | 1                   |              |                            |
| Civil & Structura          | Works  | 120          |          | DN DN          | 0.0                  |              |               | 04-Sep-24                | 18-Dep-24              | 28-Sep-24 1                | 4-Jan-75               | 17-Jun-24                | 05-Nos-24 20   |  |   |              |                       |                     |              |                            |
| DC.83.5250                 | Installation of cipe cile well of ELS (82 nos. dia323 x 12m. 1team) and Sheetpile (56nos FSPIII sheetpile x9m) | 20           | 1        | 0%             | 0%                   |              |               | 04-Sep-24                | 27-Sep-24              | 28-Sep-24 2                | 23-0ct-24              | 17-Jun-24                | 29-Jul-24 20   |  |   |              |                       |                     |              |                            |
| DC.83.5260                 | Grout Curtain Works  | 9            | 1        | 0%             | 0%                   |              |               | 20-Sep-24                | 02-Oc1-24              | 16-0ct-24 2                | 26-Oct-24              | 22-Jul-24                | 10-Aug-24 20   |  |   |              |                       | -                   |              |                            |
| DC.88.5270                 | Installation of ELS and excavation for basement (940m3 exca, fiteam)   | 12           | 1        | 0%             | 0%                   |              |               | 03-Dct-24                | 18-Oct-24              |                            | 1-Nov-24               | 12-Aug-24                | 3'-Aug-24 20   |  |   |              |                       |                     | 111          |                            |
| DC.\$3.5280                | Construction of RC structure (below ground, 512m3)   | 22           | 1        | 0%             | 0%                   |              |               | 19-Oct-24                | 14-Nov-24              | 12-Nov-24 0                | 07-Dec-24              | 02-Sep-24                | 30-Sep-24 20   |  |   |              |                       |                     |              |                            |
| DC.S3.5290                 | Removal of formotriks, falseworks, application of oxilerproofing, backfilling and removal of ELS               | 5            | 1        | DN-            | 0%                   |              |               | 15-Nor-24                | 21-Nov-24              | DS-Dec-24 1                | 4-Dec-24               | 02-Oct-24                | 08-Oct-24 20   |  |   |              |                       |                     |              |                            |
| DC.53.5300                 | Construction of RC Structure (above ground, 326m3)   | 22           | 1        | DN-            | 0%                   |              |               | 22-\\o+-24               | 18-Dec-24              |                            | 14-Jan-25              | 09-Oct-24                | 06-Nov-24 20   |  |   |              |                       |                     |              |                            |
| E&M Works                  |  |              |          | DS-            |                      |              |               | 21-\\or-24               | 09-Apr-25              |                            | 17-May-25              | 05-Oc1-24                | 12-Mar-25 28   |  | 1   |              |                       |                     | 1            |                            |
| DC.83.5320                 | E&HLVSB and 3S Installation (pumps and associated pipe works)  | 67           | 5        | 0%             | 0%                   |              |               | 21-Nor-24                | 19-Feb-25              |                            | 27-Mar-25              | 06-Oc1-24                | 04-Jan-25 31   |  |   |              |                       |                     |              |                            |
| DC.83.5330<br>DC.83.5340b  | Site Acceptance Test   | 30<br>30     | 0        | 0%             | 0%                   |              |               | 01-Feb-25<br>11-Mar-25   |                        | 09-Mar-25 0                |                        | 14-Dec-24                | 12-Jan-25 36<br>13-Mar-25 28                             |  |   |              |                       |                     |              |                            |
| Internal Architec          | System Commissioning Test (Final Testing)  | 52           | 0        | 0%             | 0%                   |              |               | 19-Dec-24                | 09-Apr-25              | 08-Apr-25 0<br>15-Jan-25 0 | 17-689/25<br>17-689-25 | 13-Jan-25<br>07-Nov-24   | 13-Mar-25 28<br>28-Feb-25 20                             |  |   |              |                       |                     | 7            |                            |
| DC.53.5312                 | Architectural Works (Internal)   | 84           | ũ        | 0%             | 03,                  |              |               | 19-Dec-24                | 09-Apr-25              |                            | 17-blay-25             | 07-Nov-24                | 26-Feb-25 20   |  |   |              |                       |                     |              |                            |
|                            | of Dangerous Goods House   | 04           | a        | 0%             | 0.9                  |              |               | 26-Sep-24                | 26-Apr-25              |                            | 13-May-25              | 17-Jun-24                | 28-Mar-25 17   |  | ++-   |              |                       |                     | +            |                            |
| DC.S3.5350                 | Installation of ELS and excertation for basement/48nos FSP11 x 9m, 70m3 exce, (team)                           | 11           | 1        | DS-            | 0%                   |              |               | 26-Sep-24                | 10-Oct-24              |                            | 24-Oct-24              | 17-Jun-24                | 28-Jun-24 11   |  |   | 1            |                       | <b>5</b>            |              |                            |
| DC.S3.5360                 | Construction of RC shucture (below ground, 34 m2)  | 19           | 1        | DS-            | 0%                   |              |               | 12-Oct-2-                | 02-\\av-24             |                            | 5-Nov-24               | 02-Jul-24                | 05-Aug-24 11   |  |   |              |                       |                     |              |                            |
| DC.\$3.5370                | Backfilling to ground level and removal of ELS   | 8            | 1        | 0%             | 0%                   |              |               | 04-101-24                | 13-509-24              |                            | 26-Nov-24              | 05-Aug-24                | 19-Aug-24 11   |  |   |              |                       | 4                   |              |                            |
| DC.S3.5380                 | Construction of RC Structure (above ground, 21m3)  | 15           | 1        | 0%             | 0%                   |              |               | 14-Nor-24                | 05-Dec-24              | 27-Nov-24 1                | 8-Dec-24               | 20-Aug-24                | 24-Sep-24 11   |  |   |              |                       | 11 ++ 1             |              |                            |
| DC.83.5380                 | Architectural Works (internal)   | 21           | 1        | 0%             | 0%                   |              |               | 06-Dec-24                | 03-Jan-25              | 19-Dec-24 1                | 6-Jan-25               | 25-Sep-24                | 31-Oct-24 11   |  |   |              |                       | <b> -    </b>       |              |                            |
| DC.83.5400a                | E&H Installation and testing   | 45           | 2        | 0%             | 0%                   |              |               | 04-Jan-25                | 03-Har-25              |                            | 5-Mar-25               | 01-Nov-24                | 03-Feb-25 11   |  |   |              |                       |                     |              |                            |
| DC.S3.5400b                | DC repetion by FSD   | 28           | 0        | 0%             | 0%                   |              |               | 30-Mar-25                | 26-Apr-25              |                            | 3-May-25               | 20-\far-25               | 28-Mar-25 17   |  |   |              |                       |                     | 1            |                            |
| Roadworks &                | Underground Utilities (Permanent pipeworks, Sewerage System, Road Drainage System)                             |              |          | 0%             |                      |              |               | 29-Feb-24                | 12-h/ay-25             |                            | 3-May-25               | 31-Oct-23                | 18-Mar-25 1  |  |   |              |                       |                     |              |                            |
| DC.S3.5410                 | Main access batereen MBR & PTF   | 70           | 2        | 0%             | 0%                   |              |               | 29-Feb-24                | 29-May-24              |                            |                        | 31-Oct-23                | 25-Mar-24 54   |  |   |              |                       |                     | 1            |                            |
| DC.S3.5420                 | Main access balancen PTF. Elliuert Reuse Building, FS Pumproom and Pumproom                                    | 55           | 5        | 0%             | 0%                   |              |               | 15-0cl-24                | 23-Dec-24              | 09-Nov-24 2                |                        | 10-Sep-24                | 21-Nov-24 22   |  |   | 12 1         |                       | <b>T</b>            |              |                            |
| DC.S3.5430<br>DC.S3.5440   | Main access between Administration Building & Intel Chamber  | 55           | 2        | 0%<br>0%       | 0%                   |              |               | 04-Sop-24                | 15-Nov-24              |                            | 17-May-25              | 17-Jun-24                | 26-Aug-24 138<br>26-Aug-24 138                           |  |   | ( I          |                       |                     |              |                            |
| DC.S3.5440<br>DC.S3.5450   | Main access between Studge Centrifuge Building & Studge Digestor Building<br>Permanent Row Diversion           | 55           | 2        | 0%             | 0%                   |              |               | 04-Sep-24<br>07-May-25   | 15-Nov-24<br>12-May-25 |                            | 17-May-25<br>13-May-25 | 17-Jun-24<br>14-Mar-25   | 26-Aug-24 138<br>19-Mar-25 1                             |  |   | AL 1         |                       |                     |              |                            |
| DC.53.5450<br>DC.53.5470   | Construction of EVA and Signage  | 4            | 2        | 0%             | 0%                   |              |               | 04-Eeb-25                | 04-Apr-25              | 01-Mar-25 2                |                        | 29-Dec-24                | 26-Feb-25 25   |  |   |              |                       |                     |              |                            |
| Sludge Dewate              |  | 55           | <b>^</b> | 23.09%         | 0.4                  | 15-Aug-22    |               | 15-Aup-22 A              | 02-Feb-25              |                            | 13-May-25              | 31-Jul-22                | 02-061-25 100  |  |   | <b>/</b>     |                       |                     | 1 + - +      |                            |
| DC.S3.5460                 | A&A works of Sludge Devetering House   | 158          | 12       | 0%             | 0%                   |              |               | 08-Aug-23                | 14-War-24              |                            | 4-blar-24              | 20-Jan-23                | 28-Aug-23 0  |  |   | ·            | ┢╧╋╋╋                 |                     |              |                            |
| DC.S3.5460n                | Equipment Submission and Approval  | 397          | 0        | 49.62%         | 0%                   | 15-Aug-22    |               | 15-Aug-22 A              | 15-Sep-23              | 11-Jin-22 2                |                        |                          | -262   |  | -   |              |                       |                     |              |                            |
| DC.S3.5470a                | Procurement  | 1            | 0        | 100%           | 100%                 | 28-Dec-22    | 28-Dec-22     | 26-Dec-22 A              | 28-Dec-22 A            |                            |                        | 31-Jul-22                | 3'-Jan-23  |  |   |              |                       |                     |              |                            |
| DC.S3.5470b                | Fabrication  | 380          | 0        | 7.78%          | 0%                   | 31-Jan-23    |               | 31-Jan-23 A              | 25-Jan-24              | 08-Jun-23 0                | 4-blay-24              | 01-Feb-23                | 31-Dec-24 100  |  |   |              |                       |                     |              |                            |
| DC.S3.5470c1               | Delivery   | 59           | 0        | 0%             | 0%                   |              |               | 28-Jan-24                | 24-Har-24              | 05-May-24 0                | 2-Jul-24               | 01-Jan-25                | 0'-Mar-25 100  |  |   |              |                       | 1 · · · · · · · · · | 1111         |                            |
| DC.83.5470c2               | Installation of E&M, MCC & BS Equipment  | 270          | 0        | 0%             | 0%                   |              |               | 25-Mar-24                | 19-Dec-24              | 03-Jul-24 2                | 29-Mar-25              | 19-OcI-23                | 18-Aug-25 100  |  |   |              |                       |                     |              |                            |
| DC.S3.5480a1               | Testing and commissioning  | 30           | 0        | 0%             | 0%                   |              |               | 20-Dec-24                | 18-Jar-25              |                            | 28-Apr-25              | 19-Aug-25                | 17-Sep-25 100  |  |   |              |                       |                     | 1 5-1        |                            |
| DC.S3.5480a2               | Decommissioning of Existing E&M Equipment and MCC  | 7            | 0        | 0%             | 0%                   |              |               | 19-Jan-25                | 25-Jar-25              |                            | 05-May-25              | 18-Sep-25                | 24-Sep-25 100  |  |   |              |                       |                     |              |                            |
| DC.S3.5480s3               | Installation of NCC for FS pumping station and Cabling Works   | 8            | 9        | 0%             | 0%                   |              |               | 26-Jan-25                | 02-Feb-25              |                            |                        | 25-Sep-25                | 02-Out-25 100  |  |   |              |                       |                     | <u>.</u>     |                            |
| Administration             |  |              |          | 17.48%         |                      | 33-Sep-22    |               | 30-Sep-22 A              | 10-Feb-25              |                            | 3-May-25               | 30-Sep-22                | 04-Oct-24 92   |  |   |              |                       |                     |              |                            |
| DC.S3.5430<br>DC.S3.5530e  | A&A works of Administration Building   | 224          | 16       | DN-            | 0%                   |              |               | 28-0:1-23                | 19-Aug-24              |                            | 21-Nov-24              | 27-Jun-23                | 17-Apr-24 78   |  |   |              |                       |                     |              |                            |
| DC 83 55000                | Procurement of EL Equipment<br>Fabrication of EL Equipment   | 213          | 0        | 70.89%<br>0%   | 30%<br>P%            | 30-Sep-22    |               | 30-Sep-22 A<br>01-Vev-23 | 30-Apr-23<br>27-OcI-23 |                            | 13-Aug-23<br>10-Jan-24 | 30-Sep-22<br>29-Dec-22   | 28-Dec-22 95<br>28-Jun-23 95                             |  |   | C +          |                       |                     |              |                            |
| DC.83.5500c                | Delivery of EL Equipment   | 120          | 0        | 0%             | 0%                   |              |               | 28-0ct-23                | 24-Feb-24              |                            | 29-May-24              | 27-Jun-23                | 24-Oct-23 85   | -  |   |              |                       |                     |              |                            |
| DC.83.5500c                | Procurement of Sanitary Fitnents   | 30           | 0        | 0%             | 0%                   |              |               | 20-Aug-24                | 18-Sep-24              |                            | 21-Dec-24              | 18-Apr-24                | 17-May-24 94   | -11 - 11                                       |   | T            |                       | Щ Н П               |              |                            |
| DC.S3.5500e                | Fabrication of Santary Fitments  | 50           | 0        | 0%             | 0%                   |              |               | 19-Sep-24                | 07-Nov-24              |                            | 19-Feb-25              | 18-May-24                | 08-Jul-24 94   |  |   |              |                       |                     |              |                            |
| DC.S3.5500f                | Delivery of Sanitary Firments  | 10           | 0        | 0%             | 03,                  |              |               | 08-Vor-24                | 17-Nov-24              | 10-Feb-25 1                | 9-Feb-25               | 07-Jul-24                | 16-Jul-24 84   |  |   |              |                       |                     |              |                            |
| DC.S3.5500g1               | BS Installation  | 25           | 2        | DN-            | 0%                   |              |               | 18-\\or-24               | 21-Dec-24              | 20-Feb-25 2                | 26-Mar-25              | 17-Jul-24                | 20-Aug-24 75   |  |   |              |                       |                     |              |                            |
| DC.S3.5500g2               | Electrical Installation  | 25           | 2        | DN-            | 0%                   |              |               | 18-\\o+-24               | 21-Dec-24              | 20-Feb-25 2                | 26-blar-25             | 17-Jul-24                | 20-Aug-24 75   |  |   |              |                       |                     |              |                            |
| DC.S3.5500g3               | Control and SCADA Installation   | 25           | 2        | D%             | 0%                   |              |               | 18-\\o+-24               | 21-Dec-24              |                            | 26-blar-25             | 17-Jul-24                | 20-Aug-24 75   |  |   |              |                       |                     | 1111         |                            |
| DC.S3.5500h                | Completion of all the works in the new control room  | 0            | 0        | 0%             | 0%                   |              |               |                          | 21-Dec-24              |                            | 26-Nar-25              |                          | 20-Aug-24 95   |  |   |              |                       |                     |              |                            |
| DC.\$3.5510a               | Relocation of existing SCADA equipment from existing control room to new control room                          | 7            | 0        | 0%             | 0%                   |              |               | 23-Dep-24*               | 02-Jan-25              |                            | 03-Apr-25              | 21-Aag-24                | 28-Aug-24 75   |  |   |              |                       | 1 <b>-</b>          |              |                            |
| DC.83.5510b                | Vacating the existing control room and ASA Works   | 30           | 0        | 0%             | 0%                   |              |               | 03-Jan-25                | 10-Feb-25              | 04-Apr-25 1                | 3-May-25               | 29-Aug-24                | 04-Oct-24 75   |  |   |              |                       |                     | Ш            |                            |
|                            | g outfall pumping station and header tank  |              |          | 0%             |                      |              |               | 04-Sep-24                | 01-May-25              | 17-Sep-24 1                | 3-May-25               | 17-Jun-24                | 27-Feb-25 12   | <u>.</u>                                       | l   | <b>\</b>     | ↓  <b></b> ↓ <b>↓</b> |                     | TL.L.        |                            |
| DC.S3.5520                 | A&A works of existing outfall pumping station and header tank  | 60           | 2        | 0%             | 0%                   |              |               | 04-Sep-24                | 18-Nov-24              |                            | 90-Nov-24              | 17-Jun-24                | 16-Sep-24 11   | 40 : 10  |   |              |                       | +-+-                |              |                            |
| DC.S3.5530s                | Procurement  | 23           | 0        | D%-            | 0%                   |              |               | 19-\\or-24               | 08-Dec-24              |                            | 20-Dec-24              | 17-Sep-24                | 06-Oct-24 12   |  |   |              |                       |                     |              |                            |
| DC.S3.5530b<br>DC.S3.5530c | Fabrication  | 64<br>23     | 0        | 0%-<br>0%-     | 0%                   |              |               | 09-Dec-24<br>11-Fab-25   | 10-Feb-25<br>02-Har-25 |                            | 22-Feb-25              | 07-Dci-24<br>10-Dec-24   | 09-Dec-24 12<br>29-Dec-24 12                             | 41 1 11  |   |              |                       |                     |              |                            |
| DC.S3.5540<br>DC.S3.5540   | Delivery and Instalation<br>Testing and commissioning  | 23           | 0        | 0%             | 0%                   |              |               | 11-Feb-25<br>03-Mar-25   | 02-War-25<br>01-May-25 |                            | 4-blar-25<br>3-blay-25 | 10-Dec-24<br>30-Dec-24   | 29-Dec-24 12<br>27-Feb-25 12                             | -11 - 11                                       |   |              |                       |                     | 4            |                            |
|                            | resung and cornings oning<br>f Emergency overflow chamber  | 07           |          | 0%             | 0.8                  |              |               | 24-5up-24                | 20-Apr-25              |                            | 3-8/ay-25              | 30-De0-24<br>15-May-24   | 2/-Heb-25 12<br>10-Mar-25 23                             |  |   | 1            |                       |                     | +            |                            |
| DC.S3.5550a                | Procurement of E&M Equipment   | 30           | 0        | 0%             | 0%                   |              |               | 24-705-24<br>24-705-24   | 20-901-25<br>22-Sep-24 |                            | 5-0ct-24               | 15-May-24<br>15-May-24   | 13-Jun-24 23   | <b>-</b> 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |   | /            |                       |                     |              |                            |
| DC.83.5550b                | Fabrication of E&M Equipment   | 120          | 0        | 0%             | 0%                   |              |               | 23-Sep-24                | 22-36p-24<br>20-Jan-25 |                            | 2-Feb-25               | 14-Jun-24                | 10-Dec-24 23   |  |   | $\mathbf{N}$ |                       |                     |              |                            |
| DC.S3.5550c                | Delivery and Installation of E&M Equipment   | 30           | 0        | 0%             | 0%                   |              | -             | 21-Jan-25                | 19-Feb-25              |                            | 4-blar-25              | 11-Dec-24                | 08-Jan-25 23   | 10 10  |   |              |                       |                     |              |                            |
| DC.S3.5550c                | Testing and Commissioning  | 32           | 0        | 0%             | 03,                  |              |               | 22-Mar-25                | 20-Apr-25              | 14-Apr-25 1                |                        | 09-Feb-25                | 10-Mar-25 23   |  |   |              |                       |                     | è i i        |                            |
|                            | ion and inspection for permanent water supply, power supply and fire services works                            |              |          | 38.85%         |                      | 14-Oct-21    |               | 14-0:t-21 A              |                        | 28-Feb-23 1                |                        | 14-Oct-21                | 29-Mar-25 17   |  | the second se |              | ┿┿╋                   |                     | <del>1</del> |                            |
|                            |  | 1            |          |                |                      |              |               |                          |                        |                            |                        |                          |  |  |   |              | Date                  | Revision            |              | Anomicz                    |
| Pri                        | mary Baseline  | DC/201       | 9/07 OU  | ITLYING I      | ISLAND:              | S SEWER/     | AGE STA       | GE2 - UPG                | RADING                 | OF CHEUN                   | IG CHA                 | U SEWA                   | GE TREATMENT AND I                                       | DISPOSAL FA                                    | CILITIES  |              |                       |                     | Unec.        | Approved                   |
| Ac                         | tual Work  | 1            |          |                |                      |              | REVISE        | PROGR                    | AMME -                 | <b>REV. 22</b>             | (28 Fe                 | hruary (                 | 2023)  |  |   | 30-N         |                       | Rev. 20             | JL           | CL                         |
|                            | maining Work   | 1            |          |                |                      |              | IL FIGLI      | - Roon                   |                        |                            | 12010                  | or uary i                |  |  |   | 31-De        |                       | Rev. 21             | JL           | CL                         |
|                            | -  | 1            |          |                |                      |              |               |                          | (mage                  | 11 of 13)                  |                        |                          |  |  |   | 28-Fe        | eb-23 F               | Rev. 22             | JL           | CL                         |
| Cr                         | tical Remaining Work   | 1            |          |                |                      |              |               |                          |                        |                            |                        |                          |  |  |   |              |                       |                     |              |                            |
| 🔷 🔷 Ba                     | seline Milestone   | 1            |          |                |                      |              |               |                          |                        |                            |                        |                          |  |  |   |              |                       |                     |              |                            |
|                            |  | 11           |          |                |                      |              |               |                          |                        |                            |                        |                          |  |  |   |              |                       |                     |              |                            |



| ININ D                      | Artirity Name  | Orl. Dur id) | TRA (d)  | Time Elapsed % | Actual             | Actual Start           | Actual Finish          | Early Start                | Early Finish               | Late Start             | Late Finish | Early Start (Rev.                    | Early Fitish Total Amended                               | 2021 2022                               | 2023  | 2024  | 2025        |         | 2026             |
|-----------------------------|--|--------------|--|----------------|--------------------|------------------------|------------------------|----------------------------|----------------------------|------------------------|-------------|--------------------------------------|--|---|---|---|-------------|---------|------------------|
| DC.83.5560                  | Preparation and approval of WWO 542 submission (FS system)   | 265          | , in the second se | 100%           | Warkdone 1<br>100% | 6<br>07-Jan-22         | 28-Stp-22              | 07-Jan-22 A                | 28-Stp-22 A                |                        |             | Early Start (Rev.<br>20<br>07-Jan-22 | Early Fisish Total Amended<br>(Rev. 20) Fisat Activities | Q1 02 03 04 01 02 Q3 0                  | 01 02 03 0  | 4 01 02 03                                    | 04 01 02 03 | 04 01 0 | Q2 Q3 Q4         |
| DC.83.5560<br>DC.83.5570    | Preparation and approval of WWO 542 submission (HS system)<br>Preparation and approval of WWO 542 submission (Plumbing system)   | 265          | 0  | 100%           | 100%               | 07-Jan-22<br>14-Oct-21 | 28-Stp-22<br>20-Jul-22 | 07-Jan-22 A<br>14-Oct-21 A | 28-Stp-22 A<br>20-Jul-22 A |                        |             | 14-Oct-21                            | 28-Sep-22<br>20-Jul-22                                   |   |   |   |             |         |                  |
| DC 83 5580                  | Preparation and approval of WWO 46 submission (Puntoing system)<br>Preparation and approval of WWO 48 submission (FS system)   | 219          | 0  | 62.3%          | 30%                | 14-001/21<br>29-Sep-22 | 20501-22               | 14-005/21 A<br>29-Sep-22 A | 20-501-22 A<br>30-1/m-23   | 10 May 21              | 27 iun 22   | 14-006-21<br>29-Sec-22               | 20-30-22<br>26-Jan-23 89                                 |   |   |   |             |         |                  |
| DC.83.5590                  | Preparation and approval of VXVO 48 submission (PL inbing system)<br>Preparation and approval of VXVO 48 submission (PL inbing system)   | 273          | 0  | 62.3%<br>95.3% | 30%                | 31-Aup-22              |                        | 31-Aup-22 A                |                            | 28-May-23              |             | 31-Aug-22                            | 28-Dec-22 89   |   |   |   |             |         |                  |
| DC.S3.5800                  | WSD Inspection (FS system)   | 10           | 0  | 0%             | 0%                 | 01110922               |                        | 28-Jan-25*                 | 06-Feb-25                  | 19-Feb-25              |             | 28-Jan-25                            | 08-Feb-25 22   |   | <b>N</b>  |   |             |         |                  |
| DC.S3.5510                  | WSD Inspector (Punting system)   | 10           | D  | 0%             | 0%                 |                        |                        | 20-Feb-25                  | 01-Mar-25                  | 06-Aur-25              | 15-Apr-25   | 07-Feb-25                            | 16-Feb-25 45   |   | 1   |   |             |         |                  |
| DC.83.5830                  | Preparation and approval of GBP submission for CCSTW   | 449          | 0  | 99,55%         | 90%                | 06-Dec-21              |                        | 06-Dep-21 A                | 01-Mar-23                  |                        | 01-Mar-23   | 08-Dao-21                            | 28-Oc1-22 D  |   | 4   |   |             |         |                  |
| DC.83.5840                  | Preparation and approval of DG submission (Upon GBP submission)  | 183          | 0  | 15.3%          | 0%                 | 31-Jan-23              |                        | 31-Jan-23 A                | 01-AJg-23                  | 26-Mar-23              | 27-/00-23   | 29-O:t-22                            | 25-Feb-23 28   | 1 · · · · · · · · · · · · · · · · · · · |   |   |             |         |                  |
| DC.83.5850                  | Preparation and approval of FSI314 for VAC (Upon GBP submission)   | 183          | 0  | 15.3%          | 05                 | 31-Jan-23              |                        | 31-Jan-23 A                | 01-AJq-23                  |                        | 27-Aug-23   | 29-Oct-22                            | 25-Feb-23 28   |   |   |   |             |         |                  |
| DC-53.5880                  | Submission of Form 314, 501 and 501a for CCSTW   | 30           | 0  | 055            | 05                 |                        |                        | 08-Jan-25*                 | 07-Apr-25                  | 30-Jan-25              | 29-Apr-25   | 08-Feb-25                            | 09-Mar-25 22   |   | <b>N</b>  |   |             |         | 1.1              |
| DC-53.5892                  | FSD Inspection of CCSTW (Final Inspection)   | 14           | 0  | 055            | 0%                 |                        |                        | 08-Ap25                    | 21-Apr-25                  | 30-Apr-25              | 13-May-25   | 10-Mar-25                            | 23-Mar-25 22   |   |   |   |             |         |                  |
| DC.53.5700                  | DG inspection by FSD   | 10           | 0  | 0%             | 0%                 |                        |                        | 17-Apr-25                  | 28-Apr-25                  | 04-Ney-25              | 13-May-25   | 20-Mar-25                            | 29-Mar-25 17   |   |   |   | 4.00        |         |                  |
| SCADA System                | n  |              |  | 36.39%         |                    | 15-Dec-21              |                        | 15-Dec-21 A                | 0E-Apr-25                  | 22-Mar-23              | 13-May-25   | 15-Dec-21                            | 19-Feb-25 37   |   |   |   |             |         |                  |
| DC.S3.5705                  | SCADA Equipment Submission and Approval  | 349          | 0  | 100%           | 100%               | 15-Dec-21              | 28-Nov-22              | 15-Dec-21 A                | 28-Vov-22 A                |                        |             | 15-Dec-21                            | 28-Nov-22  | -                                       | s Si i i  |   |             |         |                  |
| DC.83.5710                  | Procurement  | 30           | 0  | 100%           | 100%               | 31-Aug-22              | 28-Nov-22              | 31-Aug-22 A                | 28-Nov-22 A                |                        |             | 31-Aug-22                            | 28-Nov-22  | -                                       |   |   |             |         |                  |
| DC.83.5720                  | Fabrication  | 416          | 0  | 39.9%          | 39%                | 15-Sep-22              |                        | 15-Sep-22 A                | 04-Nov-23                  | 22-War-23              | 26-Nov-23   | 15-Sec-22                            | 18-Jan-23 22   |   |   |   |             |         |                  |
| DC.\$3.5730                 | Delvery  | 30           | 0  | 055            | 0%                 |                        |                        | 05-Yor-23                  | 04-Dec-23                  | 15-Jun-24              |             | 19-Jan-23                            | 17-Feb-23 223  | L L                                     | F   |   |             |         |                  |
| DC.83.5770                  | Preparation and cable Installation works by communication company  | 540          | 0  | 64.05%         | 60%                | 04-Jun-22              |                        | 04-Jun-22 A                | 28-Jul-23                  | 20-Jun-23              | 17-Nov-23   | 04-Jun-22                            | 03-Feb-23 112  |   |   |   |             |         |                  |
| DC.53.5775b*                | SCADA equipment installation (Phase 1 Studge Digestor Building Construction)   | 30           | 0  | 0%             | 0%                 |                        |                        | 10-Aug-23                  | 08-Sep-23                  | 19-Sep-23              | 18-Oct-23   | 26-Jul-23                            | 24-Aug-23 40   |   | > 19  |   |             |         |                  |
| DC.83.577552                | SCADA equipment installation (Phase 3 PTF Construction)  | 30           | 0  | 0%             | 0%                 |                        |                        | 26-Mar-24                  | 24-Apr-24                  | 04-May-24              |             | 14-Dec-23                            | 12-Jan-24 39   |   | 1   | •   |             |         |                  |
| DC.S3.5775b2                | SCADA equipment installation (Phase 1 MBR Construction)  | 30           | 0  | 0%             | 0%                 |                        |                        | 15-Mar-24                  | 12-Apr-24                  | 15-Var-24              | 13-Apr-24   | 31-Oct-23                            | 29-Nov-23 D  |   |   |   |             |         |                  |
| DC.S3.577554                | SCADA eculpment installation (Phase 5 Effluent Reuse Construction)   | 30           | 0  | 0%             | 0%                 |                        |                        | 08-Dec-24                  | 05-Jan-25                  |                        | 08-Mar-25   | 29-Sep-24                            | 25-Oc1-24 6"   |   |   |   |             |         |                  |
| DC.S3.577505                | SCADA equipment installation (Phase 5 Studge Constitution)   | 30           | 0  | 0%             | 0%                 |                        |                        | 24-Dec-24                  | Zž-Jen-25                  |                        | 02-Feb-25   | 22-Nov-24                            | 21-Dec-24 11   |   | N   | 1   |             |         |                  |
| DC.83.577568                | SCADA eculpment installation (Phase 5 Studge Dewatering System)  | 30           | 0  | 0%             | 0%                 |                        |                        | 21-Sep-24                  | 20-Cc1-24                  | 04-Jan-25              |             | 13-0:t-24                            | 11-Nov-24 105  |   |   | <b>P</b>                                      |             |         |                  |
| DC.83.577567                | SCADA eculpment installation (Section 2 at PSSPS)  | 30           | 0  | 055            | 0%                 |                        |                        | 15-Mar-24                  | 13-Apr-24                  | 29-War-25              |             | 18-Feb 23                            | 19-Mar-23 379  |   | -   |   |             |         |                  |
| DC.83.5775cr                | SCADA System Site Acceptance Test (Phase 1 Sludge Digestor Building Construction)  | 30           | 0  | 055            | 0%                 |                        |                        | 09-Sep-23                  | 08-Cc1-23                  | 19-Oct-23              | 17-Nov-23   | 25-Aug-23                            | 23-Sep-23 40   |   | -   |   |             |         |                  |
| DC.53.577552                | Disconnecting data link of removed existing equipment from the existing SCADA system (Phase 2 Ste Clearance at PTF Area)   | 7            | 0  | 100%           | 100%               | 31-Jan-23              | 06-Feb-23              | 31-Jan-23 A                | 06-Feb-23 A                |                        |             | 19-Jan-23                            | 25-Jan-23  |   | 7   |   |             |         |                  |
| DC.S3.5775c3                | SCADA System Site Acceptance Test (Phase 3 PTF Construction)   | 30           | 0  | 0%             | 0%                 |                        |                        | 14-9sy-24                  | 12-Ji:n-24                 | 04-Jun-24              |             | 22-Jan-24                            | 20-Feb-24 21   | 1                                       | 1   |   |             |         |                  |
| DC.83.6776o4                | SC4DA System Site Acceptance Test (Phase 1 MBR Construction)   | 30           | 0  | 0%             | 0%                 |                        |                        | 14-Ap-24                   | 13-Hay-24                  |                        | 13-May-24   | 30-Nov-23                            | 29-Dec-23 D  |   |   | <b>1</b>                                      |             |         | an providence of |
| DC.S3.5775c5                | Disconnecting data link of removec existing equipment from the existing SCADA system (Phase 4 Demolition of existing PTF)  | 7            | 0  | 0%             | 0%                 |                        |                        | 20-Sep-24                  | 26-Sep-24                  | 03-Nov-24              |             | 03-Jul-24                            | 09-Jul-24 44   |   | <b>)</b>  | le cer  |             |         |                  |
| DC.83.5775c8                | SCADA System Site Acceptance Test (Phase 5 Effluent Rouse Construction)  | 30           | 0  | 055            | 0%                 |                        |                        | 07-Jan-25                  | 05-Feb-25                  | 09-Mar-25              |             | 29-Oct-24                            | 27-Nov-24 6'   |   | <b>X</b>  | 1   |             |         |                  |
| DC.83.5775c7                | SCADA System Site Acceptance Test (Phase 5 Studge Centrifuge Construction)   | 30           | 0  | 055            | 0%                 |                        |                        | 23-Jan-25                  | 21-Feb-25                  | 03-Feb-25              | 04-Mar-25   | 22-Deo-24                            | 20-Jan-25 11   |   | N   |   |             |         |                  |
| DC.83.5775c8                | SCADA System Site Acceptance Test (Phase 5 Sludge Dewatering System)   | 30           | 0  | 055            | 0%                 |                        |                        | 21-0ct-24                  | 19-Nov-24                  |                        | 04-Mar-25   | 12-Nov-24                            | 11-Dec-24 105  |   |   |   |             |         |                  |
| DC.83.5775c9                | SCADA System Site Acceptance Test (Section 2 al PSSPS)   | 30           | 0  | 055            | 0%                 |                        |                        | 31-Mar-24                  | 28-Apr-24                  | 14-Agr-25              | 13-May-25   | 06-Mar-23                            | 04-Apr-23 379  |   |   |   |             |         | a ha a ha a      |
| DC.83.5775d*                | SCADA System Commissioning Test (Phase 1 Studge Digestor Building Construction)  | 30           | 0  | 0%             | 0%                 |                        |                        | 09-0ct-23                  | 07-Nov-23                  | 18-Nov-23              | 17-Dec-23   | 24-Sec-23                            | 23-Oc1-23 40   |   | >   |   |             |         |                  |
| DC.83.6776d2                | SCADA Bystem Commissioning Text (Phase 3 PTF Construction)   | 30           | 0  | 0%             | 0%                 |                        |                        | 13-Jun-24                  |                            |                        | 02-#ug-24   | 21-Feb-24                            | 21-Mar-24 21   | 1                                       |   |   |             |         |                  |
| DC.83.6776d2                | SCADA System Commissioning Test (Phase 1 HER Construction)   | 30<br>30     | 0  | 0%<br>0%       | 0%                 |                        |                        | 14-9sy-24                  | 12-Jun-24                  | 14-May-24              |             | 30-Deo-22                            | 28-Jan-24 D  |   |   | • I• II                                       |             |         |                  |
| DC.S3.577504                | SCADA System Commissioning Test (Phase 5 Effuent Reuse Construction)   |              | 0  |                |                    |                        |                        | 08-Mar-25                  | 0E-Apt-25                  |                        | 07-May-25   | 27-Dao-24                            | 25-Jan-25 31   |   | X i i i   |   |             |         |                  |
| DC.83.5775d5                | SCADA System Commissioning Test (Phase 5 Studge Centriluge Construction)   | 30           | 0  | 055            | 0%                 |                        |                        | 22-Fab-25                  | 23-Mar-25                  |                        | 03-Apr-25   | 21-Jan-25                            | 19-Feb-25 1'   |   |   |   |             |         |                  |
| DC.83.5775d8                | SCADA System Commissioning Test (Phase 5 Studge Develoring System)   | 30           | 0  | 0%             | 0%                 |                        |                        | 20-Yor-24                  | 19-Dec-24                  |                        | 03-Apr-25   | 12-Dec-24                            | 10-Jan-25 105  |   | <u>_</u> _  |   |             |         |                  |
| DC.83.5775d7                | SCADA System Commissioning Test (Socton 2 at PSSPS)<br>SCADA equipment installation at SHWSTW  | 30           | 0  | 0%             | 0%                 |                        |                        | 31-Mar-24<br>21-Sep-24     | 28-Apt-24<br>20-Oc1-24     | 14-Apr-25<br>04-Jan-25 |             | 08-Mar-23<br>13-Oct-24               | 04-Apr-23 379<br>11-Nov-24 105                           |   |   | T L   |             |         |                  |
| DC-83.5780                  |  | 30           | U  | 055            | 0%                 |                        |                        | 21-Sep-24<br>07-Aut-24     | 20-001-24<br>04-Man-25     | 04-081-25<br>06-Sep-24 | 02-Feb-25   | 25-Mtv-24                            | 11-N09-24 105<br>20-Dec-24 30                            |   | 7   |   |             |         |                  |
| ELV System (C<br>DC.83.5735 | CTV, ACS, Intercom, Radio)<br>Equipment Submission and Approvel  | 30           | 0  | 055            | 0%                 |                        |                        | 07-Aug-24<br>07-Aug-24*    | 01.00.00                   | 06-Sep-24<br>06-Sep-24 |             | 25-Mty-24<br>25-Mty-24               | 20-De0-24 30<br>23-Jun-24 30                             |   |   |   |             |         |                  |
| DC.83.5740                  | Proceeding to the one of the other of the other of the other of the other othe | 30           | 0  | 0%             | 0%                 |                        |                        | 05-Sep-24                  | 04-Dec-24                  | 06-0cl-24              | 03-Jan-25   | 24-Jun-24                            | 21-Sep-24 30   |   |   | +   |             |         |                  |
| DC.83.5750                  | Fabrication  | 15           | D.   | 0%             | 0%                 |                        |                        | 05-Dec-24                  | 19-Dec-24                  | 04-Jan-25              | 18-Jan-25   | 22-Sep-24                            | 05-Cc1-24 30   |   |   |   |             |         |                  |
| DC 83 5760                  | Dalway   | 15           | D  | 0%             | 0%                 |                        |                        | 20-Dec-24                  | 07-Jan-25                  |                        | 02-Feb-25   | 07-0:1-24                            | 2'-0:524 30  |   |   | Ĩ.  |             |         |                  |
| DC.83.5790                  | E6M Installation Works   | 60           | D.   | 0%             | 0%                 |                        |                        | 04-Jan-25                  | 04-Mar-25                  |                        | 03-Apr-25   | 22-0:1-24                            | 20-Dec-24 30   |   |   | L.  |             |         |                  |
|                             | & Training   |              | v  | 055            | 0.1                |                        |                        | 01-Vor-24                  | 04-May-25                  | 08-Jan-25              | 12-May-25   | 01-Aug-24                            | 12-Dec-24 8  |   |   |   | ┢┿┿╋╼╸┊╴╽   |         |                  |
| DC-83.57654                 | Submission of draft C&M Manual   | 60           | 0  | 055            | 05                 |                        |                        | 01-Nov-24*                 | 30-Dec-24                  | 08-Jan-25              | 08-Mar-25   | 01-Aug-24                            | 29-Sep-24 68   |   |   | _   | <b>₩</b>    |         |                  |
| DC.53.5765b                 | Training in Client's Staffs  | 14           | 0  | 055            | 055                |                        |                        | 21-Ap-25                   | 04-May-25                  | 29-Aar-25              | 12-May-25   | 30-Sec-24                            | 13-0:124 8   |   |   |   |             |         |                  |
| DC.53.5765c                 | Submission of Interim OSM Manual   | 60           | 0  | 055            | 0%                 |                        |                        | 31-Dec-24                  | 28-Feb-25*                 | 09-Var-25              | 07-May-25   | 14-Ott-24                            | 12-Deo-24 68   |   |   |   |             |         |                  |
| OTHER WORK                  | KS DUE TO CES  |              |  | 87.04%         |                    | 18-Jan-22              |                        | 18-Jan-22 A                | 28-Apr-23                  | 08-War-23              | 20-May-23   | 18-Jan-22                            | 18-Apr-23 17   |   | <u><u></u> → + + + + + + + + + + + + + + + + + + </u> |   |             |         |                  |
| DC.S3.6010                  | CE-015, Abandonement Works for Existing 900mm Diameter Pipe Connection to Manhole SHM7003180 and CCH7000000  | 8            | 1  | 100%           | 100%               | 13-May-22              | 20-May-22              | 13-May-22-8                | 20+\6sv-22.8               |                        |             | 13-May-22                            | 20-Way-22  |   | N   |   |             |         |                  |
| DC.S3.6020                  | CE-024, Plio: Trial Leak Detection for Existing Manholes in Cheung Chau  | 162          | 4  | 100%           | 100%               | 17-Mar-22              | 08-Oct-22              | 17-Mar-22 A                | 08-Oct-22 A                |                        |             | 17-Mar-22                            | 08-Cc1-22  |   |   | <u>t                                     </u> |             | 1-1-1-  |                  |
| DC.53.8030                  | CE-033, Repair Works of Existing Studge Ramp   | 316          | 2  | 90.57%         | 90%                | 18-Jan-22              |                        | 18-Jan-22 A                | [3-Apr-231                 | 08-War-23              | 15-Apr-23   | 18-Jan-22                            | 16-Jan-23 7  |   | <del>. (</del>  |   |             |         |                  |
| DC.S3.8040                  | CE-044, Point Cloud Survey at Chaung Chau  | 72           | 3  | 100%           | 100%               | 15-Mar-22              | 17-Jun-22              | 15-Mar-22 A                | 17-Jun-22 A                | -                      |             | 15-Mar-22                            | 17-Jun-22  | 1 : : :   🛏 📖                           | N   |   |             |         |                  |
| DC.S3.8050                  | CE-950, Uncerground Utilities Survey and Water Intrusion Identification in Cheung Chau   | 153          | 2  | 100%           | 100%               | 18-May-22              | 17-Nov-22              | 16-May-22 A                | 17-Nov-22 A                |                        |             | 16-May-22                            | 17-Nov-22  |   |   | T   |             |         |                  |
| DC.S3.8060                  | CE-065. Additional Difiholes for Preliminary Treatment Facilities in COSTW (Batch 1) (Total 7 nos.)  | 25           | 0  | 100%           | 100%               | 31-Jui-22              | 30 Aug-22              | 31-Jul-22 A                | 30-Aug-22 A                |                        |             | 01-Aug-22                            | 31-Oc122   | 11                                      |   |   |             |         |                  |
| DC.S3.6090                  | CE-085. Additional Difiholes for Preliminary Treatment Facilities in COSTW (Batch 2) (Total 8 nos.)  | 30           | 0  | 100%           | 100%               | 26-Jui-22              | 30-Aug-22              | 28-Jul-22 A                | 30-Aug-22 A                |                        |             | 30-Sep-22                            | 12-Dec-22  |   | -   |   |             |         |                  |
| DC.S3.6100                  | CE-056, inspection Pit Works for Water Instrusion Indentification in Cheung Chau (Batch 1)   | 65           | 0  | 100%           | 100%               | 20-May-22              | 06-Aug-22              | 20-May-22 A                | 06-Aug-22 A                |                        |             | 30-Sep-22                            | 17-Dec-22  | ∥ : : :   ! • ⊨ ⊨                       | - ]   |   |             |         |                  |
| DC.S3.6110                  | CE-091 , Inspection Pit Works for Water Instrusion Indentification in Cheung Chau (Batch 2)  | 171          | 0  | 71.35%         | 33%                | 30-Sep-22              | -                      | 30-Sep-22 A                | 29-Ap23*                   | 20-War-23              | 20-May-23   | 30-Sep-22                            | 30-Mar-23 17   | 11                                      | <b></b>   |   |             |         |                  |
| DC.S3.6120                  | CE-091, inspection Pit Works for Water Instrusion Indentification in Cheung Chau (Batch 3)   | 109          | 0  | 65,05%         | 0%                 | 15-Dec-22              |                        | 15-Dec-22 A                | 29-Apr-23*                 |                        |             | 15-Deo-22                            | 19-Apr-23 17   | 11                                      | 🔶 🕴   |   |             |         |                  |
|                             | OF SECTION 3   |              |  | 055            |                    |                        | _                      | 13-Apr-25                  | 13-Hay-25                  | 13-Apr-25              | 13-May-25   | 20-Deo-24                            | 08-Apr-25 D  |   | /   |   |             |         |                  |
| DC.S3.6070                  | Pre-handover meeting with ESE/ST2  | 1            | 0  | 055            | 055                |                        |                        | 13-Ap-25                   | 13-Apr-25                  | 13-Apr-25              | 13-Apr-25   | 20-Deo-24                            | 20-Dec-24 0  |   | 1 1 1 1   |   | 417771      |         |                  |
| DC.S3.6080                  | Handover meeting with DSD/ST2  | 1            | 0  | 0%             | 0%                 |                        |                        | 13-9sy-25                  | 13-Hay-26                  | 13-Way-25              | 13-May-25   | 19-Jan-25                            | 19-Jan-25 D  | 11                                      |   |   |             |         |                  |
| DC.S3.6500                  | Compision of Section 3 (Working Days)  | 0            | 0  | 0%             | 0%                 |                        | -                      |                            | 13-Hay-25                  |                        | 13-May-25   |                                      | 08-Apr-25 D  | 11                                      | <b>N</b>  |   | <b>b</b> •  |         |                  |
| SECTION 4                   |  |              |  | 055            |                    |                        |                        | 08-9zy-25                  | 05-Feb-28                  | 08-May-25              | 05-Feb-26   | 19 Jan 25                            | 15-Oc925 D   |   | 1   |   |             |         |                  |
| 30-month Perfe              | formance Verification (At least 18 months End of S4)   |              |  | 0%             |                    |                        |                        | 08-Vey-25                  | 05-Feb-26                  | 08-May-25              | 05-Feb-26   | 19-Jan-25                            | 15-Oz925 D   |   | <u>/        </u>                                      |   |             | +++     |                  |
| Prir                        | mary Baseline  | DC/2019      | 9/07 OL  | JTLYING        | ISLAND             | S SEWER                | AGE STA                | GE2 - UPG                  | RADING                     | F CHEU                 | NG CHA      | U SEWAG                              | GE TREATMENT AND D                                       | ISPOSAL FACILITIES                      | Date 20   | Rev   | ision C     |         | Approve          |
| Act                         | tual Work  |              |  |                |                    |                        | REVISE                 | D PROGR                    | RAMME -                    | REV. 2                 | 2 (28 Fe    | bruarv                               | 2023)  |   | 30-Nov-22   |   | JL          | L CL    | -                |
|                             | emaining Work  |              |  |                |                    |                        |                        |                            |                            | 12 of 13               |             |                                      | ,  |   | 31-Dec-22   | Rev. 21                                       | JL          |         | -                |
|                             |  |              |  |                |                    |                        |                        |                            | (r age                     | 12 01 10,              |             |                                      |  |   | 28-Feb-23   | Rev. 22                                       | JL          | L CL    |                  |
|                             | itical Remaining Work  |              |  |                |                    |                        |                        |                            |                            |                        |             |                                      |  |   |   |   |             |         |                  |
| Ch                          |  |              |  |                |                    |                        |                        |                            |                            |                        |             |                                      |  |   |   |   |             |         |                  |
|                             | seline Milestone   |              |  |                |                    |                        |                        |                            |                            |                        |             |                                      |  |   |   |   |             |         |                  |



| vity ID       | Activity Name   | Ori, Dur (d) | TRA (d) | Time Elapsed % | Actual     | Actual Start | Actual Finish | Early Start | Early Finish | Late Start | Late Finish | Early Start (Rev. | Early Finish | Total      | Amended         | 2021    | 2022     |              | 2023     | 2024     | 2025                                  |                 | 2026    |
|---------------|---|--------------|---------|----------------|------------|--------------|---------------|-------------|--------------|------------|-------------|-------------------|--------------|------------|-----------------|---------|----------|--------------|----------|----------|---------------------------------------|-----------------|---------|
|               |   |              |         |                | Workdone % |              |               |             |              |            |             | 20)               | (Rev. 20)    | Float      | Activities Q1 0 | 2 03 04 | 01 02 03 | Q4 Q1        | 02 03 04 | Q1 Q2 Q3 | 04 01 02 0                            | 13 Q4 Q1 Q2     | 2 Q3 Q4 |
| DC S4.1040    | 30-month performance verification (At least 18 months before End of S4) (Period from 9th to 18th month) | 274          | 0       | 0%             | 0%         |              |               | 08-¥øy-25   | 05-Feb-26    | 08-May-25  | 05-Feb-26   | 19-Jan-25         | 15-Oct-25    | 0          |                 |         |          |              |          |          |                                       |                 |         |
| External Arch | hiteotrual  |              |         | 0%             |            |              |               | 14-Vay-25   | 04-Sep-25    | 08-Aug-25  | 01-Dec-25   | 08-Apr-25         | 05-Aug-25    | 88         |                 |         |          |              |          |          |                                       | 11              |         |
| DC 84.1010    | External Architectural at MBR Treament Facilities   | 90           | 6       | 0%             | 0%         |              |               | 14-9ay-25   | 04-Sep-25    | 08-Aug-25  | 01-Dec-25   | 06-Apr-25         | 05-Aug-25    | 72         |                 |         | 111      | - N          |          |          | H                                     | di i            |         |
| DC \$4.1100   | External Architectural at Studge Digestor Building  | 60           | 4       | 0%             | 0%         |              |               | 14-9sy-25   | 29-Jul-25    | 15-Sep-25  | 01-Dec-25   | 08-Apr-25         | 27-Jun-25    | 104        |                 |         |          |              |          |          |                                       | H               |         |
| DC \$4.1110   | External Architectural at Studge Centrifuge House   | 60           | 4       | 0%             | 03,        |              |               | 14-9ay-25   | 29-Jul-25    | 15-Sep-25  | 01-Dec-25   | 08-Apr-25         | 27-Jun-25    | 104        |                 |         |          |              |          |          | + <del></del>                         | H               |         |
| DC \$4.1120   | External Architectural at Preliminary Treatment Facilities  | 90           | 6       | 0%             | 03,        |              |               | 14-9sy-25   | 04-Sep-25    | 08-Aug-25  | 01-Dec-25   | 08-Apr-25         | 05-Aug-25    | 72         |                 |         |          |              |          |          | •                                     | r l             |         |
| DC \$4,1130   | External Architectural at Effuent Reuse Building  | 30           | 2       | DN-            | 0%         |              |               | 14-9ay-25   | 20-Jur-25    | 24-Oct-25  | 01-Dec-25   | 09-Apr-25         | 20-May-25    | 136        |                 |         |          |              |          |          | + <b>.</b>                            | -               |         |
| DC.S4.1140    | External Architectural at FS Pumproom and Pumproom  | 30           | 2       | DS-            | 0%         |              |               | 14-9ay-25   | 20-Jur-25    | 24-Oct-25  | 01-Dec-25   | 06-Apr-25         | 20-May-25    | 136        |                 |         |          |              |          |          | +                                     | et t            |         |
| DC S4.1150    | External Architectural at Dangerous Good House  | 30           | 2       | 0%             | 0%         |              |               | 14-9ay-25   | 20-Jur-25    | 24-Oct-25  | 01-Dec-25   | 06-Apr-25         | 20-May-25    | 136        |                 |         |          |              |          |          |                                       | H I             |         |
| DC S4.1160    | External Architectural at Studge Dewatering House   | 60           | 4       | 0%             | 0%         |              |               | 14-9ay-25   | 29-Jul-25    | 15-Sep-25  | 01-Dec-25   | 06-Apr-25         | 27-Jun-25    | 104        |                 |         |          |              |          |          |                                       |                 |         |
| DC \$4.1170   | External Architectural at Administration Building   | 40           | 2       | 0%             | 0%         |              |               | 14-Yay-25   | 03-Jul-25    | 13-0ct-25  | 01-Dec-25   | 06-Apr-25         | 02-Jun-25    | 126        |                 |         |          |              |          |          | · · · · · · · · · · · · · · · · · · · |                 |         |
| Landscaping   | g Works & Imigation System  |              |         | 0%             |            |              |               | 14-98y-25   | 12-Xov-25    | 02-Oct-25  | 05-Feb-28   | 08-Apr-25         | 11-0ct-25    | 85         |                 |         |          |              |          |          |                                       |                 |         |
| DC \$4.1020   | The site wide landscaping works   | 97           | 7       | 0%             | 0%         |              |               | 11-Jul-25   | 12-Nov-25    | 02-Oct-25  | 05-Feb-26   | 10-Jun-25         | 11-0ct-25    | 70         |                 |         |          |              |          |          |                                       |                 |         |
| DC S4.1080    | Instellation of Impation System   | 97           | 7       | 0%             | 0%         |              |               | 14-9ay-25   | 13-Sep-25    | 02-Oct-25  | 05-Feb-26   | 09-Apr-25         | 14-Aug-25    | 118        |                 |         |          |              |          |          | -                                     | <b>a</b> ti i i |         |
| Construction  | n of New Security Fence   |              |         | 0%             |            |              |               | 14-9sy-25   | 27-Sep-25    | 06-Aug-25  | 05-Feb-26   | 09-Apr-25         | 28-Aug-25    | 106        |                 |         |          |              |          |          |                                       | 1               |         |
| DC \$4.1030   | Demolition of Existing Boundary Wall  | 60           | - 4     | 0%             | 0%         |              |               | 14-Way-25   | 29-Jul-25    | 06-reg-25  | 21-0ct-25   | 09-Apr-25         | 27-Jun-25    | 70         |                 |         |          |              |          |          | ·                                     |                 |         |
| DC S4.1060    | Construction of New Security Fence R.C. Structures  | 60           | - 4     | 0%             | 0%         |              |               | 24-Jun-25   | 06-Sep-25    | 15-Sep-25  | 01-Dec-25   | 23-May-25         | 07-Aug-25    | 70         |                 |         |          |              |          |          | L.                                    |                 |         |
| DC 84.1070    | Installation of New Security Fence Metail Works   | 45           | 3       | 0%             | 0%         |              |               | 04-Aug-25   | 27-Sep-25    | 09-Dec-25  | 05-Feb-26   | 04-Jul-25         | 28-Aug-25    | 106        |                 |         | 1.1.1    | 1            |          |          | _بها ز                                | rt (            |         |
| Completion of | of Section 4 (Working Day)  |              |         | 0%             |            |              |               | 15-Xor-25   | 05-Feb-26    | 06-Jtn-26  | 05-Feb-26   | 16-Stp-25         | 16-Oct-25    | 0          |                 |         |          |              |          |          |                                       |                 |         |
| DC 54.1041    | Pre-handover meeting with DSD/ST2   | 1            | 0       | 0%             | 0%         |              |               | 15-Nor-25   | 16-Nov-25    | 06-Jan-26  | 06-Jan-26   | 16-Sep-25         | 18-Sep-25    | <u>5</u> 2 |                 |         |          |              |          |          |                                       |                 |         |
| DC \$4.1042   | Handover meeting oilt DSD/ST2   | 1            | 0       | 0%             | 03,        |              |               | 15-Dec-25   | 16-Dec-25    | 05-Feb-28  | 05-Feb-28   | 18-Oct-25         | 16-Oct-25    | 52         |                 | 1       |          |              |          | 1 1      |                                       | 5               |         |
| DC 84.1050    | Completion of Section 4   | 0            | 0       | 9%             | 03,        |              |               |             | 05-Feb-26*   |            | 05-Feb-28   |                   | 16-Oct-25    | 0          |                 |         | 111      | 1            |          |          |                                       | •               |         |
| 30-month per  | formance verification (remaining 12 months after S4)  |              |         | D%-            |            |              |               | 05-Feb-26   | 05-Feb-27    | 05-Feb-25  | 05-Feb-27   | 15-Oc1-25         | 01-Jan-27    | 0          |                 |         |          |              |          |          |                                       | · · · · ·       |         |
| DC.PV.1010    | 32-month performance vertification (remaining 12 months after S4) (Period from 18th to 30th month)      | 365          | 0       | 0%             | 03,        |              |               | 05-Feb-26   | 05-Feb-27    | 05-Feb-28  | 05-Feb-27   | 18-Oct-25         | 15-Oct-26    | 0          |                 |         | 1.1.1    | ιI           |          |          |                                       | 4 <b></b>       | -       |
| DC.PV.1020    | Date of 12 months after S4  | 0            | 0       | DN-            | 0%         |              |               |             | 05-Feb-27*   |            | 05-Feb-27   |                   | 01-Jan-27    | 0          |                 |         |          | $\mathbf{N}$ |          |          |                                       |                 | -       |
| DC.S3.5765d10 | Submission of final O&M Manual  | 62           | 0       | DS-            | 0%         |              |               | 24-Feb-26   | 24-4cr-26    | 07-096-26  | 04-Feb-27   | 13-Dec-25         | 10-Feb-26    | 286        |                 |         |          | 1            |          |          |                                       | ····            |         |

| Primary Baseline        | DC/2019/07 OUTLYING ISLANDS SEWERAGE STAGE2 - UPGRADING OF CHEUNG CHAU SEWAGE TREATMENT AND DISPOSAL FACILITIES | Date      | Revision | Chec | Approved |
|-------------------------|---|-----------|----------|------|----------|
| Actual Work             |   | 30-Nov-22 | Rev. 20  | JL   | CL       |
|                         | REVISED PROGRAMME - REV. 22 (28 February 2023)  | 31-Dec-22 | Rev. 21  | JL   | CL       |
| Remaining Work          | (Page 13 of 13)   | 28-Feb-23 | Rev. 22  | JL   | CL       |
| Critical Remaining Work |   |           |          | ·    |          |
| A Baseline Milestone    |   |           |          |      |          |

# APPENDIX C Calibration Certificates (Air Monitoring)

| 15          | 50          |                  |  | 1                       |                 |                | D                        | ALIBRATION<br>UE DATE:<br>ary 15, 2025 |
|-------------|-------------|------------------|--|-------------------------|-----------------|----------------|--------------------------|--|
| vir         | onm         | ent              | al   |                         |                 |                |                          |  |
|             | Ce          | rtifi            | cate   | of                      | Cal             | libri          | ntion                    |  |
|             |             |                  | Calibration                                    | Certificatio            | on Informat     | tion           |                          |  |
| Cal. Date:  | January 15  | , 2024           | Roots  | meter S/N:              | 438320          | Ta:            | 294                      | °K                                     |
| Operator:   | Jim Tisch   |                  |  |                         |                 |                | 755.9                    | mm Hg                                  |
| Calibration | Model #:    | TE-5025A         | Calib  | prator S/N:             | 3465            |                |                          |  |
|             |             |                  |  |                         |                 |                |                          | J<br>1                                 |
|             | Dun         | Vol. Init        | Vol. Final                                     | ΔVol.                   | ∆Time           | ΔP             | ΔH                       |  |
|             | Run<br>1    | (m3)<br>1        | (m3)<br>2                                      | (m3)<br>1               | (min)<br>1.4350 | (mm Hg)<br>3.3 | (in H2O)<br>2.00         |  |
|             | 2           | 3                | 4  | 1                       | 1.0180          | 6.4            | 4.00                     |  |
|             | 3           | 5                | 6  | 1                       | 0.9090          | 8.0            | 5.00                     |  |
|             | 4           | 7                | 8  | 1                       | 0.8670          | 8.9            | 5.50                     |  |
|             | 5           | 9                | 10   | 1                       | 0.7150          | 12.9           | 8.00                     |  |
|             |             |                  | D  | ata Tabulat             | tion            |                |                          |  |
|             | Vstd        | Qstd             | $\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)}$ | )( <u>Tstd</u> )<br>Ta) |                 | Qa             | $\sqrt{\Delta H(Ta/Pa)}$ |  |
|             | (m3)        | (x-axis)         | (y-axi   | s)                      | Va              | (x-axis)       | (y-axis)                 |  |
|             | 1.0037      | 0.6995           | 1.420  |                         | 0.9956          | 0.6938         | 0.8820                   |  |
|             | 0.9996      | 0.9819           | 2.008  |                         | 0.9915          | 0.9740         | 1.2473                   |  |
|             | 0.9963      | 1.1491           | 2.245  |                         | 0.9894          | 1.0885         | 1.3945                   |  |
|             | 0.9909      | 1.3859           | 2.839  |                         | 0.9829          | 1.1396         | 1.4626                   |  |
|             |             | m=               | 2.0692   |                         |                 | m=             | 1.29570                  |  |
|             | QSTD        | b=               | -0.025   |                         | QA [            | b=             | -0.01582                 |  |
|             |             | r=               | 0.9999   | 99                      |                 | r=             | 0.99999                  |  |
|             |             |                  |  | Calculation             | S               |                |                          |  |
|             |             |                  | /Pstd)(Tstd/Ta                                 | )                       |                 | ∆Vol((Pa-∆P    | ')/Pa)                   |  |
|             | Ustd=       | Vstd/∆Time       | Ferendary                                      | and fla                 |                 | Va/∆Time       |                          |  |
|             |             | 11 5 7           | For subseque                                   | N N T                   | e calculation   | IS:            | \ \                      |  |
|             |             | 1/m (( \\ \DH (- | Pa ( <u>Tstd</u> )<br>Pstd (Ta)                | )-ь)                    | Qa=             | 1/m((√∆H       | (Ta/Pa))-b)              |  |
| Tstd:       |             | Conditions       |  | -                       |                 |                | IDDATION                 |  |
| Pstd:       |             | nm Hg            |  | F                       |                 | RECAL          | IBRATION                 |  |
|             | К           | ey               |  |                         |                 |                | nual recalibratio        |  |
|             |             | er reading (in   |  |                         |                 |                | egulations Part 5        |  |
|             | solute temp | ter reading (    | mm Hg)   |                         | Appendix B      | to Part 50,    | Reference Metho          | od for the                             |
|             |             | essure (mm F     | lg)  |                         |                 |                | nded Particulate         |  |
| : intercept |             |                  |  |                         | the             | Atmospher      | e, 9.2.17, page 3        | 0                                      |

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|  | The admin buliding inside   |          | Information  |  |                                  | 05 1 0004     |  |
|--|---|----------|--|--|----------------------------------|---------------|--|
| ocation:   | the construction site   | Site ID: | A1a  | Date:  |                                  | 05-Jun-2024   |  |
| Serial No:   | 1048  | Model:   | TE-5170X   | Operator:  |                                  | Andy Li       |  |
|  |   | Ambie    | ent Condition  | 1  |                                  |               |  |
| Actual Press<br>mm Hg):  | sure during Calibration (P <sub>a</sub> )   | 757.7    | Actual Tempe<br>Calibration (T   |  | g                                | 297.5         |  |
|  |   | Calibr   | ration Orifice   |  |                                  | 43 M          |  |
| Nodel:   |   | TE-      | 5025A  | Slope (m <sub>c</sub> )                                      | :                                | 2.06920       |  |
| Serial No.:  |   | 3        | 465  | Intercept (  | b.)։                             | -0.02547      |  |
| Calibration  | Due Date:   | 15-1     | Jan-25   | Corr. Coef   | f:                               | 0.99999       |  |
|  |   | Calib    | oration Data   |  |                                  |               |  |
| Plate or   | ∆H₂O  |          | X-Axis   | I, CFI   | u I                              | IC, Y-Axis    |  |
| Test #   | (in)  | -        | /min)  | (char  |                                  | (corrected)   |  |
| 18   | 10.00   |          | 7min)<br>540   | 62.0   | ~                                | 61.96         |  |
| 13   | 8.40  |          | 412  | 58.0   |                                  | 57.96         |  |
| 10   | 6.80  |          | 272  | 54.0   |                                  | 53.96         |  |
| 7  | 3.80  | 0.       | 954  | 48.0   |                                  | 47.97         |  |
|  | $= \underbrace{24.4597}_{\text{art} (\Delta H_2O^*(P_a/P_{\text{Stol}})^*(T_{\text{Stol}}/T_a)) - b_c]}_{_2/P_{\text{Stol}}^*(T_{\text{Stol}}/T_a))}$   | -<br>Ca  | = 23.7183  | -  | Corr. C                          | coeff= 0.9958 |  |
| ta = 1/m <sub>c</sub> *[So<br>C = I*(Sqrt (P;<br>C = corrected<br>= actual char<br>n <sub>c</sub> = calibrato  | $\begin{aligned} &\operatorname{art}\left(\Delta H_2 O^*(P_{300})^*(T_{560}/T_a)\right) \cdot b_c \right] \\ &\mathcal{A}_{560}^{*}(T_{560}/T_a)) \end{aligned}$ we rate<br>chart response<br>t response<br>t response<br>r slope   | -        |  | ercept<br>g<br>eerature during                               | g calibration (d                 | eg K)         |  |
| $a = 1/m_c^*[Sc C = I^*(Sqrt (P; a = actual flo C = corrected actual char n_c = calibrator _c = calibrator$  | $\begin{split} & \operatorname{Art}\left(\Delta H_2 O^*(P_{360})^*(T_{360}/T_a)) \cdot b_c\right) \\ & \sqrt{P_{560}}^*(T_{560}/T_a)) \\ & \text{we rate} \\ & \operatorname{chart} response \\ & \operatorname{tresponse} \\ & \operatorname{tresponse} \\ & \operatorname{rislope} \\ & \operatorname{rintercept} \end{split}$  | -<br>Ca  | m = sampler slo<br>b = sampler intr<br>T <sub>Std</sub> = 298 deg K<br>P <sub>Std</sub> = 760 mm H<br>T <sub>a</sub> = actual temp   | ercept<br>g<br>eerature during                               | g calibration (d                 | eg K)         |  |
| $Qa = 1/m_c^* (ScC = 1*(Sqrt (P_c))$<br>$Qa = actual flocC = corrected= actual charn_c = calibratork_c = calibrator7$  | $\begin{aligned} & \operatorname{prt}\left(\Delta H_2 O^*(P_{360})^*(T_{3560}/T_a)\right) \cdot b_c \\ & \int_{P}^{D} S_{160} J^*(T_{3560}/T_a)) \end{aligned}$ we rate chart response to response to response to response response response response to the response of  | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>Ig<br>berature durinj<br>sure during cal           | g calibration (d                 | eg K)         |  |
| $a = 1/m_c^* [Sc C = I^*(Sqrt (P_c))]$ $a = actual floc C = actual char c = calibrator c = calibrator 7 6$   | rt (ΔH <sub>2</sub> O*(P <sub>2</sub> /P <sub>360</sub> )*(T <sub>350</sub> /T <sub>3</sub> ))- b <sub>c</sub> ]<br>//P <sub>310</sub> )*(T <sub>350</sub> /T <sub>3</sub> ))<br>w rate<br>chart response<br>tresponse<br>r islope<br>r intercept   | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>g<br>eerature during                               | g calibration (d                 | eg K)         |  |
| $a = 1/m_c^* [Sc = 1^*(Sqrt (P_c))]$ $a = actual field = actual char a = callibrator a = callibrator = callibrator 7 6$  | art (ΔH <sub>3</sub> O*(P <sub>3</sub> /P <sub>3td</sub> )*(T <sub>5td</sub> /T <sub>a</sub> ))- b <sub>2</sub> ]           /P <sub>3td</sub> )*(T <sub>5td</sub> /T <sub>a</sub> ))           ww rate            chart response           t response           or slope           r intercept           2.00           2.00  | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>Ig<br>berature durinj<br>sure during cal           | g calibration (d                 | eg K)         |  |
| $a = 1/m_c^* [Sc = 1^*(Sqrt (P_c))]$ $a = actual field = actual char a = callibrator a = callibrator = callibrator 7 6$  | Irt (ΔH <sub>3</sub> O*(P <sub>2</sub> /P <sub>5x0</sub> )*(T <sub>5x0</sub> /T <sub>a</sub> ))- b <sub>c</sub> ]       // 5 <sub>x0</sub> )*(T <sub>5x0</sub> /T <sub>a</sub> ))       w rate       chart response       tresponse       or slope       r intercept  | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>Ig<br>berature durinj<br>sure during cal           | g calibration (d                 | eg K)         |  |
| $a = 1/m_c^* [Sc C = I^*(Sqrt (P_c))]$ $a = actual floc C = actual char c = calibrator c = calibrator 7 6$   | art (ΔH <sub>3</sub> O*(P <sub>3</sub> /P <sub>3td</sub> )*(T <sub>5td</sub> /T <sub>a</sub> ))- b <sub>2</sub> ]           /P <sub>3td</sub> )*(T <sub>5td</sub> /T <sub>a</sub> ))           ww rate            chart response           t response           or slope           r intercept           2.00           2.00  | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>Ig<br>berature durinj<br>sure during cal           | g calibration (d                 | eg K)         |  |
| $Qa = 1/m_c^* (ScC = 1*(Sqrt (P_c))Qa = actual ficC = corrected= actual charn_c = calibratork_c = calibrator76$  | Irt (ΔH <sub>3</sub> O*(P <sub>2</sub> /P <sub>5x0</sub> )*(T <sub>5x0</sub> /T <sub>a</sub> ))- b <sub>c</sub> ]       // 5 <sub>x0</sub> )*(T <sub>5x0</sub> /T <sub>a</sub> ))       w rate       chart response       tresponse       or slope       r intercept  | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>Ig<br>berature durinj<br>sure during cal           | g calibration (d                 | eg K)         |  |
| $a = 1/m_c*[Sc = 1*(Sqrt (P, C_c) = 1*(Sqrt (P, C_c) = 1*(Sqrt (P, C_c) = corrected = actual char =$ | art (ΔH <sub>2</sub> O*(P <sub>2</sub> /P <sub>360</sub> )*(T <sub>3560</sub> /T <sub>a</sub> ))- b <sub>c</sub> ]           //P <sub>560</sub> )*(T <sub>3560</sub> /T <sub>a</sub> ))           w rate           chart response           t response           r intercept  | -<br>Ca  | m = sampler slo<br>b = sampler intr<br>T <sub>Std</sub> = 298 deg K<br>P <sub>Std</sub> = 760 mm H<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press<br>ow Rate Chart | ercept<br>g<br>serature during cal<br>R <sup>2</sup> = 0.991 | calibration (d<br>ibration (mm F | eg K)<br>ig)  |  |
| $Q_a = 1/m_c^* (ScC = 1*(Sqrt (P_c))Q_a = actual flocC = corrected= actual charm_c = calibratorm_c = calibrator76$   | rt (ΔH <sub>2</sub> O*(P <sub>2</sub> /P <sub>50</sub> )*(T <sub>560</sub> /T <sub>a</sub> ))- b <sub>c</sub> ]<br>/P <sub>510</sub> *(T <sub>510</sub> /T <sub>a</sub> ))<br>w rate<br>chart response<br>t response<br>tr sopoe<br>r slope<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00 | -<br>Ca  | m = sampler slo<br>b = sampler into<br>T <sub>Std</sub> = 298 deg K<br>T <sub>std</sub> = 298 deg K<br>T <sub>a</sub> = actual temp<br>P <sub>a</sub> = actual press                 | ercept<br>Ig<br>berature durinj<br>sure during cal           | calibration (d<br>ibration (mm F | eg K)         |  |

### HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

| Site Information |  |          |          |           |             |  |  |  |
|------------------|--|----------|----------|-----------|-------------|--|--|--|
| Location:        | The existing ourtfall<br>pumping station inside the<br>construction site | Site ID: | A2a      | Date:     | 05-Jun-2024 |  |  |  |
| Serial No:       | 1085   | Model:   | TE-5170X | Operator: | Andy Li     |  |  |  |

#### Ambient Condition

| Actual Pressure during Calibration (P <sub>a</sub> )<br>(mm Hg): | 757.7 | Actual Temperature during<br>Calibration (T <sub>a</sub> ) (deg K): | 297.5 |
|--|-------|---|-------|
|--|-------|---|-------|

| Calibration Orifice   |           |                              |          |  |  |  |  |
|-----------------------|-----------|------------------------------|----------|--|--|--|--|
| Model:                | TE-5025A  | Slope (m <sub>c</sub> ):     | 2.06920  |  |  |  |  |
| Serial No.:           | 3465      | Intercept (b <sub>c</sub> ): | -0.02547 |  |  |  |  |
| Calibration Due Date: | 15-Jan-25 | Corr. Coeff:                 | 0.99994  |  |  |  |  |

|          | Calibration Data |                       |         |             |  |  |  |  |  |  |
|----------|------------------|-----------------------|---------|-------------|--|--|--|--|--|--|
| Plate or | ∆H₂O             | Qa, X-Axis            | I, CFM  | IC, Y-Axis  |  |  |  |  |  |  |
| Test #   | (in)             | (m <sup>3</sup> /min) | (chart) | (corrected) |  |  |  |  |  |  |
| 1        | 8.40             | 1.412                 | 61.0    | 60.96       |  |  |  |  |  |  |
| 2        | 7.20             | 1.308                 | 60.0    | 59.96       |  |  |  |  |  |  |
| 3        | 5.40             | 1.135                 | 56.0    | 55.96       |  |  |  |  |  |  |
| 4        | 3.80             | 0.954                 | 50.0    | 49.97       |  |  |  |  |  |  |
| 5        | 2.00             | 0.695                 | 42.0    | 41.97       |  |  |  |  |  |  |

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 27.3293

b= 23.6802

Corr. Coeff= 0.9916

Calculations

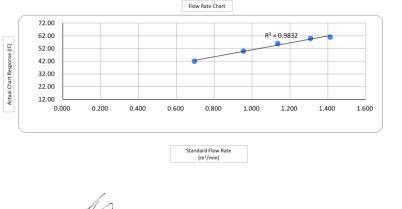
 $\begin{aligned} & Qa = 1/m_c*[Sqrt\left(\Delta H_2O*(P_a/P_{Std})*(T_{Std}/T_a)\right) \cdot b_c] \\ & IC = I*(Sqrt\left(P_a/P_{Std})*(T_{Std}/T_a)\right) \end{aligned}$ 

Qa = actual flow rate

IC = corrected chart response I = actual chart response m<sub>c</sub> = calibrator slope

b<sub>c</sub> = calibrator intercept

m = sampler slope b = sampler intercept  $T_{Std} = 298 \text{ deg K}$  $P_{Ste} = 760 \text{ mm Hg}$  $T_a = actual temperature during calibration (deg K)$  $<math>P_a = actual pressure during calibration (mm Hg)$ 



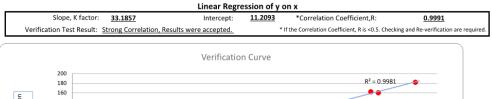
Checked by: Tandy Tse Senior Environemntal Consultant

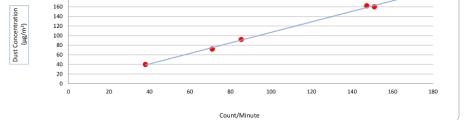
Date: 05-Jun-2024

| Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report |           |              |           |      |                              |           |  |  |
|---|-----------|--------------|-----------|------|------------------------------|-----------|--|--|
| Information of Calibrated Equipement  |           |              |           |      |                              |           |  |  |
| Verification Test Date:   | 19-Mar-24 | to           | 24-Mar-24 |      | Next Verification Test Date: | 24-Mar-25 |  |  |
| Unit-under-Test- Model No.:   |           | Sibata LD-5R |           | -    |                              |           |  |  |
| Unit-under-Test Serial No.:   |           | 2Y6549       |           | -    |                              |           |  |  |
| Our Report Refrence No.:  | PR        | T-24-HVS-002 | 4         | -    |                              |           |  |  |
| Calibration Location:   |           |              |           | Emax |                              |           |  |  |
|   |           |              |           |      |                              |           |  |  |

|                               | Standard Equipment Inform | ation                |
|-------------------------------|---------------------------|----------------------|
| Verification Equipment Type:  | Tisch TSP HVS             | Tisch HVS Calibrator |
| Standard Equipment Model No.: | TE-5170X                  | TE-5025A             |
| Equipment serial no.:         | 1085                      | 3465                 |
| Last Calibration Date:        | 19-Mar-24                 | 15-Jan-24            |
| Next Calibration Date:        | 2-Apr-24                  | 14-Jan-25            |

|              | Equipement Vertification Result |                     |          |                          |              |                          |   |  |  |  |
|--------------|---------------------------------|---------------------|----------|--------------------------|--------------|--------------------------|---|--|--|--|
| Verification |                                 |                     | Duration |                          | Results from | Calibrated Equipement    | Results from Standard Equipment                   |  |  |  |
| Test No.     | Date                            | Start-time End-time |          | Elapsed Time<br>(in min) | Total Counts | Counts/ Minute<br>x-axis | Dust Concentration (µg/m <sup>3</sup> )<br>y-axis |  |  |  |
| 1            | 19/3/2024                       | 7339.85             | 7342.85  | 180.00                   | 26514        | 147                      | 162   |  |  |  |
| 2            | 19/3/2024                       | 7342.85             | 7345.85  | 180.00                   | 27180        | 151                      | 160   |  |  |  |
| 3            | 19/3/2024                       | 7345.85             | 7348.85  | 180.00                   | 30474        | 169                      | 182   |  |  |  |
| 4            | 24/3/2024                       | 7349.74             | 7352.74  | 180.00                   | 6840         | 38                       | 40  |  |  |  |
| 5            | 24/3/2024                       | 7352.76             | 7355.76  | 180.00                   | 15354        | 85                       | 92  |  |  |  |
| 6            | 24/3/2024                       | 7355.77             | 7358.77  | 180.00                   | 12780        | 71                       | 72  |  |  |  |





Andy Li Project Technician, Environmental

29-03-2024 Date:

Operated By:

Tandy Tse /////

Date: 29-03-2024

Checked By:



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

| <br> | tion of | Calibrate | d Famil |  |
|------|---------|-----------|---------|--|

| Verification Test Date:     | 19-Mar-24 | to            | 24-Mar-24 | Next Verification Test Date: | 24-Mar-25 |
|-----------------------------|-----------|---------------|-----------|------------------------------|-----------|
| Unit-under-Test- Model No.: |           | Sibata LD-5R  |           | -                            |           |
| Unit-under-Test Serial No.: |           | 2Y6550        |           | -                            |           |
| Our Report Refrence No.:    | R         | PT-24-HVS-002 | 8         | -                            |           |
| Calibration Location:       | E         |               |           | -<br>Emax                    |           |
|                             |           |               |           |                              | _         |

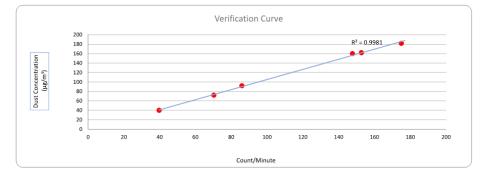
|                               | Standard Equipment Informa | ation                |
|-------------------------------|----------------------------|----------------------|
| Verification Equipment Type:  | Tisch TSP HVS              | Tisch HVS Calibrator |
| Standard Equipment Model No.: | TE-5170X                   | TE-5025A             |
| Equipment serial no.:         | 1048                       | 3465                 |
| Last Calibration Date:        | 19-Mar-24                  | 15-Jan-24            |
| Next Calibration Date:        | 2-Apr-24                   | 14-Jan-25            |

|              | Equipement Vertification Result |            |          |                          |                       |                                 |   |  |  |  |
|--------------|---------------------------------|------------|----------|--------------------------|-----------------------|---------------------------------|---|--|--|--|
| Verification |                                 | Duration   |          | Results from             | Calibrated Equipement | Results from Standard Equipment |   |  |  |  |
| Test No.     | Date                            | Start-time | End-time | Elapsed Time<br>(in min) | Total Counts          | Counts/ Minute<br>x-axis        | Dust Concentration (µg/m <sup>3</sup> )<br>y-axis |  |  |  |
| 1            | 19/3/2024                       | 7339.85    | 7342.85  | 180.00                   | 27486                 | 153                             | 162   |  |  |  |
| 2            | 19/3/2024                       | 7342.85    | 7345.85  | 180.00                   | 26586                 | 148                             | 160   |  |  |  |
| 3            | 19/3/2024                       | 7345.85    | 7348.85  | 180.00                   | 31500                 | 175                             | 182   |  |  |  |
| 4            | 24/3/2024                       | 7349.74    | 7352.74  | 180.00                   | 7146                  | 40                              | 40  |  |  |  |
| 5            | 24/3/2024                       | 7352.76    | 7355.76  | 180.00                   | 15480                 | 86                              | 92  |  |  |  |
| 6            | 24/3/2024                       | 7355.77    | 7358.77  | 180.00                   | 12654                 | 70                              | 72  |  |  |  |

Linear Regression of y on x

 Slope, K factor:
 33.1857
 Intercept:
 11.2093
 \*Correlation Coefficient, R:
 0.9990

 Verification Test Result:
 Strong Correlation, Results were accepted.
 \* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.</td>



Operated By:

Andy Li Project Techni

29-03-2024 Date:

29-03-2024

Date:

Tandy Tse

Checked By:

## APPENDIX D Monitoring Data (Air)

| 36 <sup>th</sup> EM&A Report – July 2024 |   |
|--|---|
| Location:                                | A1a   |
| Monitoring Period:                       | July 2024   |
| Parameter:                               | TSP 1-hour  |
| Major Dust Source                        | Construction activities and daily operation of the sewerage treatment plant |

Other Factors

NA

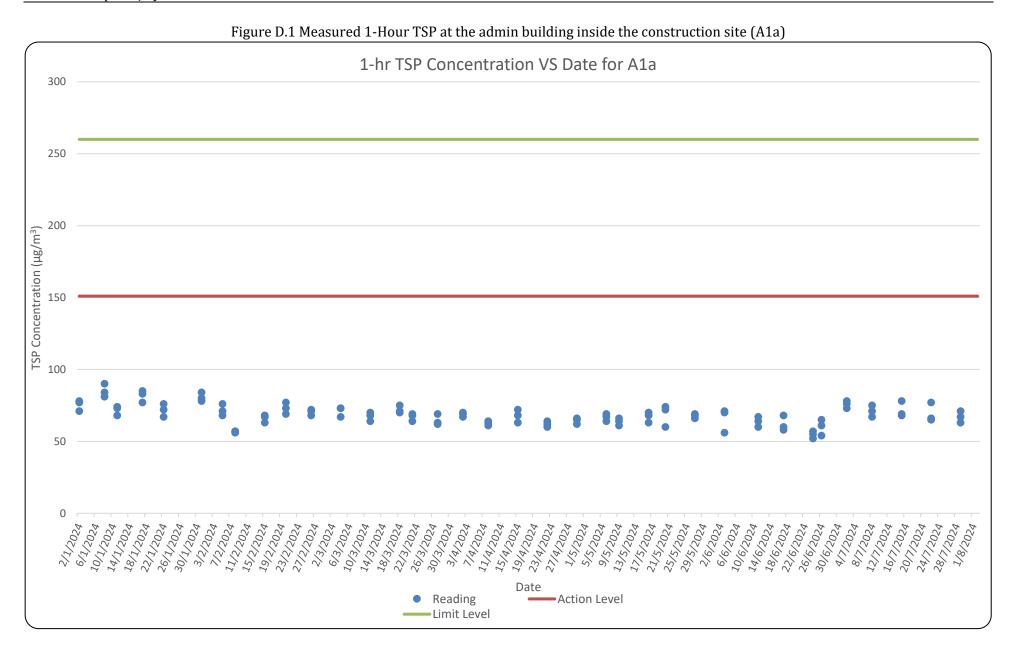
| Date       | Weather | Start Time | 1 <sup>st</sup> Hour<br>(μg/m³) | 2 <sup>nd</sup> Hour<br>(μg/m³) | 3 <sup>rd</sup> Hour<br>(μg/m³) |
|------------|---------|------------|---------------------------------|---------------------------------|---------------------------------|
| 2/07/2024  | Sunny   | 13:45      | 76                              | 73                              | 78                              |
| 8/07/2024  | Sunny   | 14:03      | 67                              | 71                              | 75                              |
| 15/07/2024 | Fine    | 14:01      | 78                              | 68                              | 69                              |
| 22/07/2024 | Sunny   | 14:18      | 65                              | 77                              | 66                              |
| 29/07/2024 | Fine    | 13:43      | 63                              | 67                              | 71                              |
|            |         | Average    |                                 | 71                              |                                 |
|            |         | Range      |                                 | 63 - 78                         |                                 |

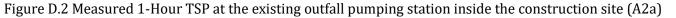
| Job EM&A Report – July 2024           Location: | A2a   |
|---|---|
| Monitoring Period:                              | July 2024   |
| Parameter:                                      | TSP 1-hour  |
| Major Dust Source                               | Construction activities and daily operation of the sewerage treatment plant |

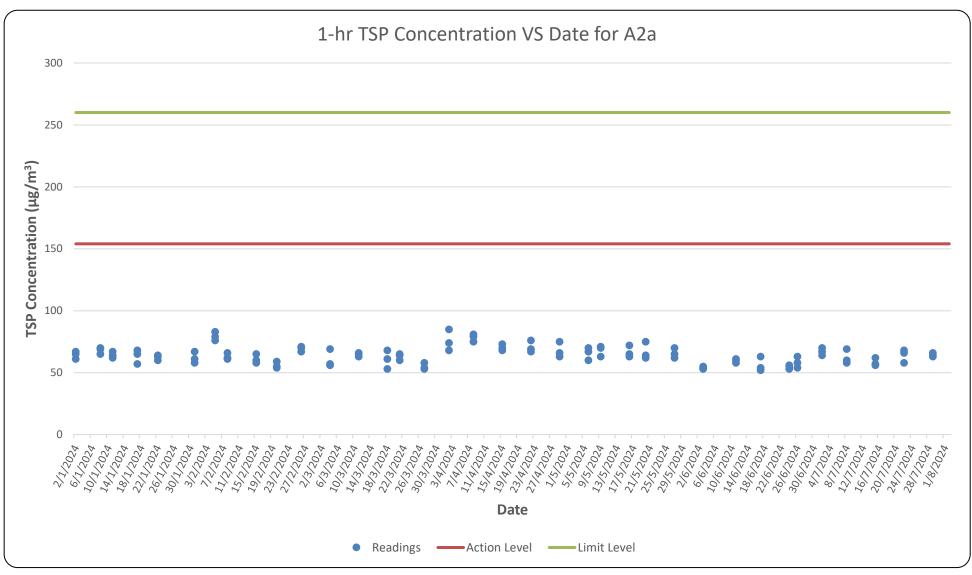
**Other Factors** 

NA

| Date       | Weather | Start Time | 1 <sup>st</sup> Hour<br>(μg/m³) | 2 <sup>nd</sup> Hour<br>(µg/m³) | 3 <sup>rd</sup> Hour<br>(μg/m³) |
|------------|---------|------------|---------------------------------|---------------------------------|---------------------------------|
| 2/07/2024  | Sunny   | 13:30      | 67                              | 70                              | 64                              |
| 8/07/2024  | Sunny   | 13:52      | 58                              | 69                              | 60                              |
| 15/07/2024 | Fine    | 13:41      | 62                              | 56                              | 57                              |
| 22/07/2024 | Sunny   | 13:48      | 58                              | 68                              | 66                              |
| 29/07/2024 | Fine    | 13:31      | 64                              | 63                              | 66                              |
|            |         | Average    |                                 | 63                              |                                 |
|            |         | Range      |                                 | 56 - 70                         |                                 |







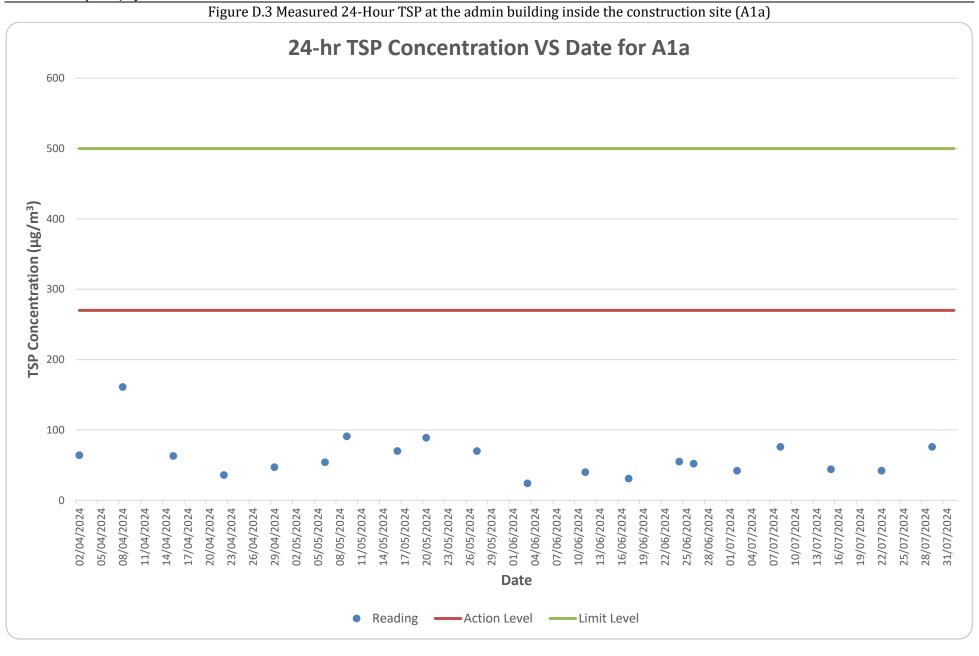
| Location:         | A1a   |
|-------------------|---|
| Parameter:        | TSP 24-hour   |
| Major dust source | Construction activities and daily operation of the sewerage treatment plant |
| Major dust source | Routine operation of the Sewage Treatment Plant                             |
| Other Factors     | NA  |

| Start Date | Avg Air<br>Temp | Avg<br>Atmospheric<br>Pressure | Weather<br>Condition | Elapse           | e Time         | Sampling<br>Time | Flow Rate | Standard<br>Air<br>Volume | Filter W | eight (g) | Particulate<br>weight | Conc.   |
|------------|-----------------|--------------------------------|----------------------|------------------|----------------|------------------|-----------|---------------------------|----------|-----------|-----------------------|---------|
|            | (°C)            | (mm Hg)                        |                      | Initial<br>(min) | Final<br>(min) | Actual<br>(min)  | (m³/min)  | (m³)                      | Initial  | Final     | (g)                   | (µg/m³) |
| 02/07/2024 | 30.5            | 1009.2                         | Sunny                | 350210.0         | 351710.0       | 1500.0           | 0.68      | 1027                      | 2.7202   | 2.7630    | 0.0428                | 42      |
| 08/07/2024 | 31.1            | 1008.3                         | Sunny                | 351710.0         | 353198.0       | 1488.0           | 0.68      | 1014                      | 2.7091   | 2.7864    | 0.0773                | 76      |
| 15/07/2024 | 29.4            | 1008.5                         | Fine                 | 353198.0         | 354698.0       | 1500.0           | 0.65      | 969                       | 2.6842   | 2.7271    | 0.0429                | 44      |
| 22/07/2024 | 30.7            | 1003.5                         | Sunny                | 354698.0         | 356175.0       | 1477.0           | 0.67      | 997                       | 2.6861   | 2.7280    | 0.0419                | 42      |
| 29/07/2024 | 27.6            | 1006.1                         | Fine                 | 356175.0         | 357684.0       | 1509.0           | 0.61      | 915                       | 2.6813   | 2.7505    | 0.0692                | 76      |
|            |                 |                                |                      |                  |                |                  |           |                           |          |           |                       |         |

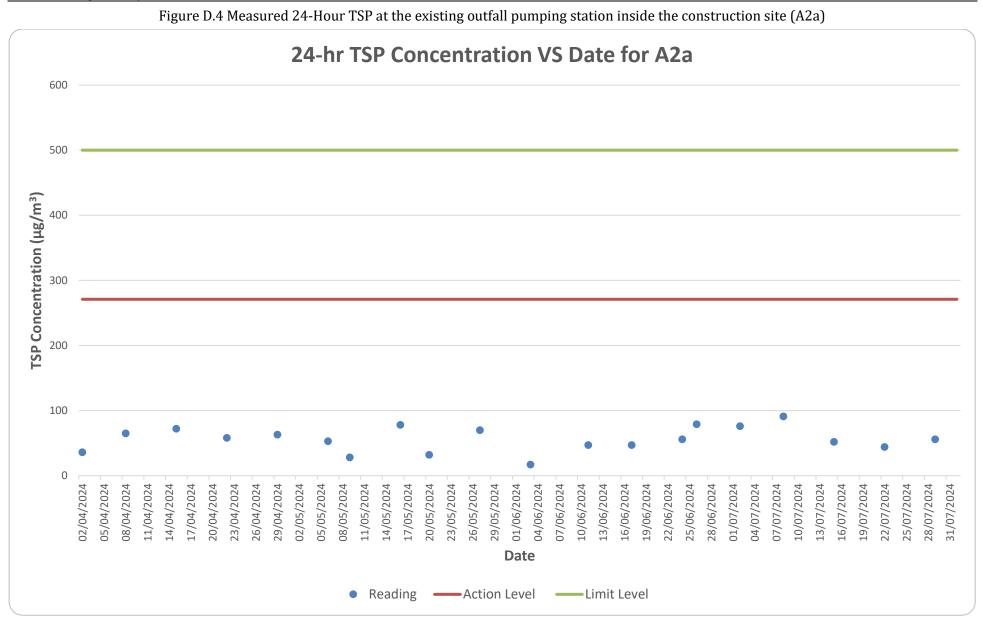
| Average | 56      |
|---------|---------|
| Range   | 42 - 76 |

| Location:             | A2a   |
|-----------------------|---|
| Parameter:            | TSP 24-hour   |
| Major Site Activities | Construction activities and daily operation of the sewerage treatment plant |
| Major dust source     | Routine operation of the Sewage Treatment Plant                             |
| Other Factors         | NA  |

| Start Date | Avg Air<br>Temp | Avg<br>Atmospheric<br>Pressure | Weather<br>Condition | Elapse           | e Time         | Sampling<br>Time | Flow Rate | Standard<br>Air<br>Volume | Filter W | eight (g) | Particulate<br>weight | Conc.   |
|------------|-----------------|--------------------------------|----------------------|------------------|----------------|------------------|-----------|---------------------------|----------|-----------|-----------------------|---------|
|            | (°C)            | (mm Hg)                        |                      | Initial<br>(min) | Final<br>(min) | Actual<br>(min)  | (m³/min)  | (m³)                      | Initial  | Final     | (g)                   | (µg/m³) |
| 02/07/2024 | 30.5            | 1009.2                         | Sunny                | 568701.0         | 570151.0       | 1450.0           | 0.54      | 786                       | 2.7220   | 2.7814    | 0.0594                | 76      |
| 08/07/2024 | 31.1            | 1008.3                         | Sunny                | 570151.0         | 571637.0       | 1486.0           | 0.58      | 855                       | 2.7019   | 2.7801    | 0.0782                | 91      |
| 15/07/2024 | 29.4            | 1008.5                         | Fine                 | 571637.0         | 573137.0       | 1500.0           | 0.58      | 870                       | 2.6867   | 2.7319    | 0.0452                | 52      |
| 22/07/2024 | 30.7            | 1003.5                         | Sunny                | 573137.0         | 574632.0       | 1495.0           | 0.57      | 851                       | 2.7180   | 2.7551    | 0.0371                | 44      |
| 29/07/2024 | 27.6            | 1006.1                         | Fine                 | 574632.0         | 576142.0       | 1510.0           | 0.51      | 767                       | 2.6774   | 2.7203    | 0.0429                | 56      |
|            |                 |                                |                      |                  |                |                  |           |                           |          |           | Average               | 64      |



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## APPENDIX E Calibration Certificates (Noise)



# Certificate of Calibration

for

| Description:  | Sound Level Calibrator |
|---------------|------------------------|
| Manufacturer: | RION                   |
| Type No.:     | NC-75                  |
| Serial No.:   | 34724243               |

## 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

□ 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: 27 July 2023

Date of calibration: 3 August 2023

Date of NEXT calibration: 2 August 2024

Calibration Technician

Date of issue: 3 August 2023

Calibrated by:

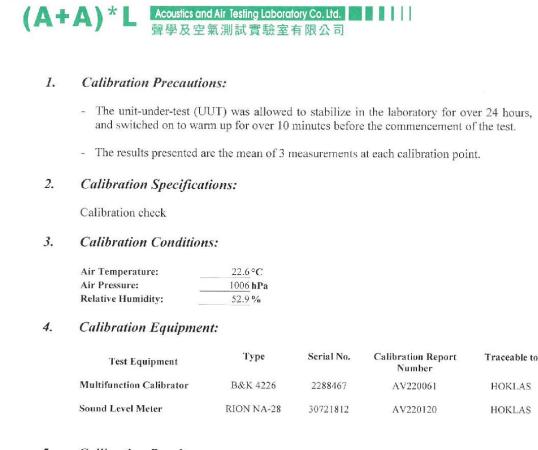
Certificate No.: AP.J23-049-CC005

Certified by:

Mr. Ng Yan Wa Laboratory Manager

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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



## 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.



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Certificate No.: APJ23-049-CC005

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NO

## Certificate of Calibration

for

| Description:  | Sound Level Meter                |
|---------------|----------------------------------|
| Manufacturer: | SVANTEK                          |
| Type No.:     | 971 (Serial No.: 96063)          |
| Microphone:   | ACO 7052E (Serial No.: 79778)    |
| Preamplifier: | SVANTEK SV 18 (Serial No.:97276) |

### 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 − 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: 27 July 2023

Date of calibration: 3 August 2023

Date of NEXT calibration: 2 August 2024

Calibrated by:

Calibration Technician

Date of issue: 3 August 2023

Certificate No.: APJ23-049-CC002

Certified by: Mr. Ng Yan Wa Laboratory Manager

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### 1. Calibration Precaution:

 $e^{-2}$ 

- 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:          | 22.6 °C  |
|---------------------------|----------|
| Air Pressure:             | 1006 hPa |
| <b>Relative Humidity:</b> | 52.9 %   |

### 3. Calibration Equipment:

|                          | Туре     | Serial No. | Calibration<br>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) |         |           | Applied value  |           | UUT Reading,  | IEC 61672 Class 1 |                   |
|----------------------------------|---------|-----------|----------------|-----------|---------------|-------------------|-------------------|
| Range, dB                        | Freq. V | Veighting | Time Weighting | Level, dB | Frequency, Hz | dB                | Specification, dB |
| 25.0-124.2                       | dBA     | SPL       | Fast           | 94        | 1000          | 93.7              | ±0.4              |

Linearity

| Setting of Unit-under-test (UUT) |         |          | Арр            | lied value | UUT Reading,  | IEC 61672 Class 1 |                   |
|----------------------------------|---------|----------|----------------|------------|---------------|-------------------|-------------------|
| Range, dB                        | Freq. W | eighting | Time Weighting | Level, dB  | Frequency, Hz | dB                | Specification, dB |
|                                  |         |          |                | 94         |               | 93.7              | Ref               |
| 25.0-124.2                       | dBA     | SPL      | Fast           | 104        | 1000          | 103.7             | ±0.3              |
|                                  |         |          |                | 114        |               | 113.7             | ±0.3              |

Time Weighting

| 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 |
| 25.0-124.2 dBA                   |       | Fast      | 04             | 0.4 1000  | 93.7          | Ref               |                   |
|                                  | dBA   | SPL       | Slow           | 94        | 1000          | 93.7              | ±0.3              |

### Certificate No.: APJ23-049-CC002

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# (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. W | eighting | Time Weighting | Level, dB     | Frequency, Hz | dB           | Specification, dB |
|                                  |         |          |                |               | 31.5          | 94.3         | ±2.0              |
|                                  |         |          |                |               | 63            | 94.2         | ±1.5              |
|                                  |         |          |                | 125           | 94.1          | ±1.5         |                   |
|                                  |         |          |                | Fast 94       | 250           | 94.1         | ±I.4              |
| 25.0-124.2                       | dB      | SPL      | Fast           |               | 500           | 94.0         | ±1.4              |
|                                  |         |          |                |               | 1000          | 93.7         | Ref               |
|                                  |         |          |                |               | 2000          | 93.7         | ±1.6              |
|                                  |         |          |                |               | 4000          | 95.1         | ±1.6              |
|                                  |         |          |                |               | 8000          | 91.4         | +2.1; -3.1        |

A-weighting

| Sett       | ing of Uni | t-under-t | est (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          | 55.0         | -39.4 ±2.0        |
|            |            |           |                |               | 63            | 68.1         | -26.2±1.5         |
|            |            |           |                | 125           | 78.1          | -16.1±1.5    |                   |
|            |            | dBA SPL   | Fast           | 94            |               | 250          | 85.4              |
| 25.0-124.2 | dBA        |           |                |               | 500           | 90.7         | $-3.2 \pm 1.4$    |
|            |            |           |                |               | 1000          | 93.7         | Ref               |
|            |            |           |                |               | 2000          | 94.9         | $+1.2\pm1.6$      |
|            |            |           |                |               | 4000          | 96.2         | $+1.0 \pm 1.6$    |
|            |            |           |                |               | 8000          | 90.5         | -1.1+2.1; -3.1    |

C-weighting

| 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           | 91.3         | -3.0 ±2.0         |
|                                  |         |           |                |               | 63             | 93.4         | -0.8 ±1.5         |
|                                  |         |           | 125            | 94.0          | $-0.2 \pm 1.5$ |              |                   |
|                                  |         | C SPL     | Fast           | Fast 94       | 250            | 94.8         | -0.0 ±1.4         |
| 25.0-124.2                       | dBC     |           |                |               | 500            | 94.0         | -0.0 ±1.4         |
|                                  |         |           |                |               | 1000           | 93.7         | Ref               |
|                                  |         |           |                |               | 2000           | 93.5         | -0.2 ±1.6         |
|                                  |         |           |                |               | 4000           | 94.4         | -0.8 ±1.6         |
|                                  |         |           |                |               | 8000           | 88.6         | -3.0 +2.1: -3.1   |

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### 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  | ± 0.10 |
|        | 500 Hz  | ± 0.05 |
|        | 1000 Hz | ± 0.05 |
|        | 2000 Hz | ± 0.05 |
|        | 4000 Hz | ± 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.

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# APPENDIX F Monitoring Data (Noise)

| Location:           | N2a   |
|---------------------|---|
| Monitoring Period:  | July 2024   |
| Parameter:          | Noise   |
| Major Noise Source: | Construction activities and daily operation of the sewerage treatment plant |
| Other Factors       | NA  |

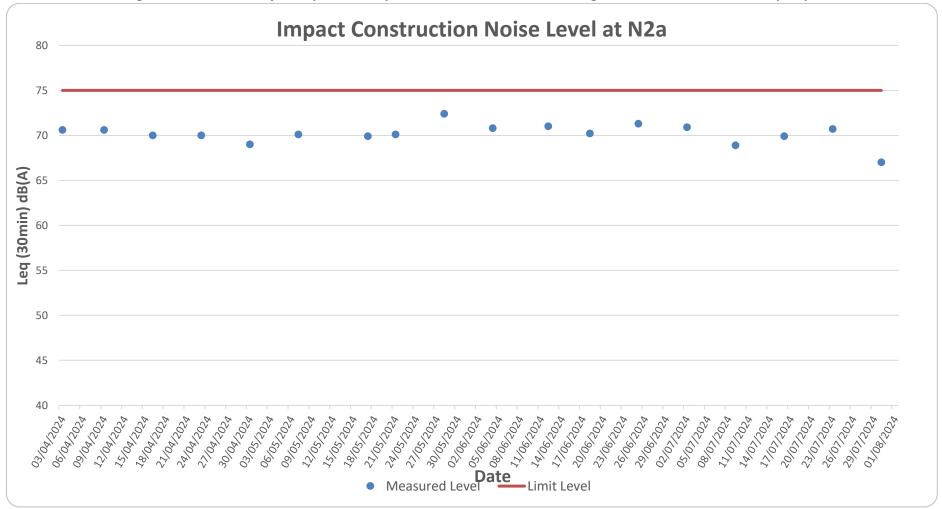
| Date      | Weather | Start Time | L <sub>eq</sub> | L <sub>10</sub> | L90  |
|-----------|---------|------------|-----------------|-----------------|------|
| 2/7/2024  | Sunny   | 14:25      | 70.9            | 73.3            | 65.8 |
| 9/7/2024  | Sunny   | 14:55      | 68.9            | 71.5            | 65.5 |
| 16/7/2024 | Fine    | 15:05      | 69.9            | 72.2            | 65.9 |
| 23/7/2024 | Sunny   | 15:02      | 70.7            | 73.3            | 66.4 |
| 30/7/2024 | Fine    | 14:56      | 67.0            | 69.4            | 64.2 |
|           |         | Average    |                 | 69.7            |      |
|           |         | Range      |                 | 67.0 - 70.9     |      |

| Location:           | N3a   |
|---------------------|---|
| Monitoring Period:  | July 2024   |
| Parameter:          | Noise   |
| Major Noise Source: | Construction activities and daily operation of the sewerage treatment plant |
| Other Factors       | Many noisy vehicles passed by during monitoring                             |

| Date      | Weather | Start Time | $\mathbf{L}_{\mathbf{eq}}$ | L <sub>10</sub> | L <sub>90</sub> |
|-----------|---------|------------|----------------------------|-----------------|-----------------|
| 2/7/2024  | Sunny   | 15:10      | 72.4                       | 74.6            | 53.3            |
| 9/7/2024  | Sunny   | 13:25      | 72.5                       | 75.1            | 52.9            |
| 16/7/2024 | Fine    | 13:29      | 72.2                       | 75.2            | 54.4            |
| 23/7/2024 | Sunny   | 13:31      | 73.0                       | 75.3            | 53.4            |
| 30/7/2024 | Fine    | 13:50      | 72.1                       | 74.8            | 53.3            |
|           |         | Average    |                            | 72.5            |                 |
| Range     |         |            | 72.1 - 73.0                |                 |                 |

Remarks: +3 dB(A) free-field corrections have been made to N3a.

Figure F.1 Measured daytime (0700-1900) noise level at the admin building inside the construction site (N2a)



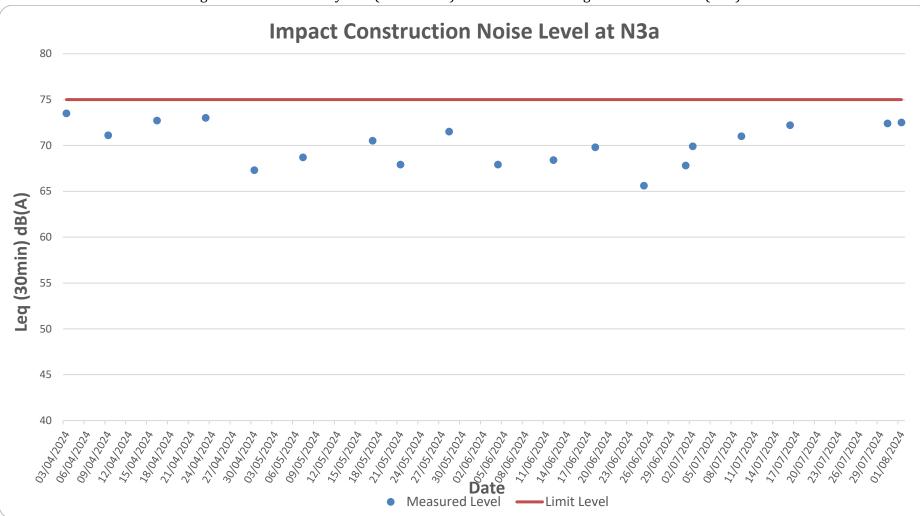


Figure F.2 Measured daytime (0700-1900) noise level at Cheung Chau Fire Station (N3a)

s: +3 dB(A) free-field corrections have been made to the data in the graph.

### APPENDIX G Implementation Schedule

| EIA Ref.           | Recommended Environmental Protection Measures/<br>Mitigation Measures   | Objectives of the<br>recommended measures &<br>main concerns to address | Who to<br>implement<br>the | Location / Timing of<br>implementation of<br>Measures |   |   | What requirements or<br>standards for the<br>measures to achieve?                               |
|--------------------|---|---|----------------------------|---|---|---|---|
|                    |   |   | measures?                  | D   | С | 0 |   |
| Construction Phase | (Upgrading Works of Cheung Chau STW and Pak She SPS   | (DP Component))   | 1                          |   |   |   |   |
| S.3.5.5            | <ul> <li>Appropriate dust control measures should be implemented during the construction stage in accordance with the requirements in the Air Pollution Control (Construction Dust) Regulation. Dust control techniques should be considered to control dust to a level not exceeding the AQOs as well as the 1-hour TSP guideline level of 500 µg/m<sup>3</sup>. These measures include, but are not limited to, the following: <ul> <li>Adoption of good site practices;</li> <li>Avoid practices likely to raise dust level;</li> <li>Frequent cleaning and damping down of stockpiles and dusty areas of the site;</li> <li>Covering the exposed areas with tarpaulin;</li> <li>Reducing drop height during material handling;</li> <li>Provision of wheel-washing facilities for site vehicles leaving the site;</li> <li>Regular plant maintenance to minimize exhaust emission; and</li> <li>Sweep up dust and debris at the end of each shift.</li> </ul> </li> </ul> | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | ~ |   | Annex 4 and Annex 12 of<br>EIAO -TM, Air Pollution<br>Control (Construction<br>Dust) Regulation |
| S.3.10.1           | All the dust control measures as recommended in the Air<br>Pollution Control (Construction Dust) Regulation, where<br>applicable, should be implemented. Typical dust control<br>measures include:  | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | V |   | Annex 4 and Annex 12 of<br>EIAO -TM, Air Pollution<br>Control (Construction<br>Dust) Regulation |

Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -

Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities

36<sup>th</sup> EM&A Report – July 2024

| EIA Ref. | Recommended Environmental Protection Measures/<br>Mitigation Measures  | Objectives of the<br>recommended measures &<br>main concerns to address | Who to<br>implement<br>the<br>measures? | Location / Timing of<br>implementation of<br>Measures |   |   | What requirements or standards for the measures to achieve?   |
|----------|--|---|---|---|---|---|---|
|          |  |   |   | D   | С | 0 |   |
| S.3.10.1 | Watering every 1.5 hours on active works areas and paved<br>haul roads to reduce dust emissions by 90.9% (e.g.<br>watering intensity at 0.5 litres/m <sup>2</sup> . Actual application shall<br>depend on the site condition and weather conditions).  | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | ~ |   | EIA, Annex 4 and Annex<br>12 of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |
| S.3.10.1 | Watering every hour on unpaved areas and stockpiles of dusty materials (if no tarpaulin is provided) to reduce dust emissions by 90% (e.g. watering intensity at 1.5 litre/m <sup>2</sup> during the first hour, subsequent application at 0.2 litre/m <sup>2</sup> . Actual application shall depend on the site condition and weather conditions). | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V |   | EIA, Annex 4 and Annex<br>12 of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |
| S.3.10.1 | Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather  | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V |   | Annex 4 and Annex 12 of<br>EIAO -TM, Air Pollution<br>Control (Construction<br>Dust) Regulation         |
| S.3.10.1 | Use of frequent watering for particularly dusty construction areas and areas close to ASRs   | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V |   | Annex 4 and Annex 12 of<br>EIAO -TM, Air Pollution<br>Control (Construction<br>Dust) Regulation         |
| S.3.10.1 | Vehicle washing facilities should be provided at every vehicle exit point  | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V |   | Annex 4 and Annex 12 of<br>EIAO -TM, Air Pollution<br>Control (Construction<br>Dust) Regulation         |

Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024

| EIA Ref. | Recommended Environmental Protection Measures/<br>Mitigation Measures   | Objectives of the<br>recommended measures &<br>main concerns to address | Who to<br>implement<br>the<br>measures? | Location / Timing of<br>implementation of<br>Measures |              |   | What requirements or standards for the measures to achieve?  |
|----------|---|---|---|---|--------------|---|--|
|          |   |   |   | D   | с            | 0 | _  |
| S.3.10.1 | Where a site boundary adjoins a road, streets or<br>other areas accessible to the public, hoarding of not<br>less than 2.4 m high from ground level should be<br>provided along the entire length except for a site<br>entrance or exit | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V            |   | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |
| S.3.10.1 | Stockpiles of imported material kept on site shall be<br>contained within hoarding, dampened and/or covered<br>during dry and windy weather   | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | $\checkmark$ |   | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |
| S.3.10.1 | Material stockpiled alongside trenches should be covered with tarpaulins  | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V            |   | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |
| S.3.10.1 | Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs   | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                             |   | V            |   | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |

| EIA Ref. | Recommended Environmental Protection Measures/<br>Mitigation Measures   | Objectives of the<br>recommended measures &<br>main concerns to address | Who to<br>implement<br>the | Location / Timing of<br>implementation of<br>Measures |   | on of | What requirements or<br>standards for the<br>measures to achieve?                                  |  |
|----------|---|---|----------------------------|---|---|-------|--|--|
|          |   |   | measures?                  | D   | С | 0     |  |  |
| S.3.10.1 | Any excavated or stockpile of dusty material should<br>be covered entirely by impervious sheeting or spayed<br>with water to maintain the entire surface wet during<br>the non-working hours      | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | V |       | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |  |
| S.3.10.1 | All dusty materials shall be sprayed with water prior<br>to any loading, unloading or transfer operation so as<br>to keep the dusty materials wet   | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | V |       | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |  |
| S.3.10.1 | Water sprays shall be used during the delivery and handling of sands aggregates and the like  | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | V |       | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |  |
| S.3.10.1 | All demolished items that may emit dust particles<br>should be covered entirely by impervious sheeting or<br>placed in an area sheltered on the top and the 3<br>sides within a day of demolition | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | V |       | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation |  |

Environmental Monitoring Works for Outlying Islands Sewerage Stage 2 -Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities 36<sup>th</sup> EM&A Report – July 2024

| EIA Ref. | Recommended Environmental Protection Measures/<br>Mitigation Measures   | Objectives of the<br>recommended measures &<br>main concerns to address | Who to<br>implement<br>the | Location / Timing of<br>implementation of<br>Measures |   |   | What requirements or standards for the measures to achieve?  |
|----------|---|---|----------------------------|---|---|---|--|
|          |   |   | measures?                  | D   | С | 0 |  |
| S.3.10.1 | Good site practices for concrete batching plant<br>Every stock of more than 20 bags of cement or dry<br>pulverized fuel ash(PFA) should be cover entirely by<br>impervious sheeting or placed in an area sheltered<br>on the top and the sides.<br>Cement or dry PFA delivered in bulk should stored in<br>a closed silo fitted with an audible high level alarm<br>which is interlocked with the material filling line and<br>no overfilling is allowed.<br>Loading, unloading, transfer, handling or storage of<br>bulk cement or dry PFA should be carried out in a<br>totally enclosed system or facility, and any vent or<br>exhaust should be fitted with effective fabric filter or<br>equivalent air pollution control system (Maximum<br>TSP emission factor of Silos and Mising Tower:<br>50mg/m <sup>3</sup> ) | Air Quality (fugitive dust)<br>Control during Construction<br>Phase     | Contractors                |   | V |   | Annex 4 and Annex 12<br>of EIAO -TM, Air<br>Pollution Control<br>(Construction Dust)<br>Regulation<br>Best Practical Means<br>for Cement Works<br>(Concrete Batching<br>Plant) BPM 3/2(93) |

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|----------------------|---|---|--------------------------------|--|---|
| Construction Phase ( | Jpgrading Works of Cheung Chau STW and Pak She SPS  | (DP Component))   |                                |  |   |
| S.4.4.12             | Only well-maintained plant should be operated on-site and<br>plant should be serviced regularly during the construction<br>works.                       | Noise control during<br>construction                                    | Contractors                    | At all construction<br>areas of the site<br>during the entire<br>construction period | EIA, Contractual<br>requirements                                  |
| S.4.4.12             | Machines and plant that may be in intermittent use should<br>be shut down between work periods or should be throttled<br>down to a minimum.             | Noise control during<br>construction                                    | Contractors                    | At all construction<br>areas of the site<br>during the entire<br>construction period | EIA, Contractual<br>requirements                                  |
| S.4.4.12             | Plant known to emit noise strongly in one direction should,<br>where possible, be orientated to direct noise away from<br>the NSRs.                     | Noise control during<br>construction                                    | Contractors                    | At all construction<br>areas of the site<br>during the entire<br>construction period | EIA, Contractual<br>requirements                                  |
| S.4.4.12             | Mobile plant should be sited as far away from NSRs as possible.   | Noise control during<br>construction                                    | Contractors                    | At all construction<br>areas of the site<br>during the entire<br>construction period | EIA, Contractual<br>requirements                                  |
| S.4.4.12             | Material stockpiles and other structures should be<br>effectively utilized, where practicable, to screen noise from<br>on-site construction activities. | Noise control during<br>construction                                    | Contractors                    | At all construction<br>areas of the site<br>during the entire<br>construction period | EIA, Contractual<br>requirements                                  |

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|----------|---|---|--------------------------------|---|---|
| S.4.4.13 | Use of quiet plant (PME):<br>Generator<br>Poker, vibratory, hand-held<br>Breaker, excavator mounted (hydraulic)<br>Excavator<br>Tracked Mobile Crane<br>Vibratory Compactor<br>Dumper<br>Air compressor<br>Concrete Pump<br>Pilling Rig   | Noise control during<br>construction                                    | Contractors                    | At all construction<br>areas of the site<br>during the entire<br>construction period    | EIA, Contractual<br>requirements                                  |
| S.4.4.14 | Temporary site hoardings of 2.4 m high are recommended<br>for the works at the Pak She SPS. The hoardings will be<br>erected along the works boundary facing the NSRs. The<br>PME involved in the works would be screened by the<br>erected site hoardings. Without direct line of sight from<br>the affected NSRs, a noise reduction of 10 dB(A) could be<br>achieved provided that the hoardings have no openings or<br>gaps and have a surface mass of at least 7 kg/m <sup>2</sup> .<br>Nonetheless, a -5 dB(A) screening correction for site<br>hoardings has been applied as a more conservative<br>approach. | Noise control during<br>construction                                    | Contractors                    | At Pak She SPS<br>during the entire<br>construction period                              | EIA   |
| S.4.4.23 | For NSRs which would be affected by more than one<br>Works Types, good scheduling works is recommended to<br>minimize the cumulative construction noise impacts due to<br>different Works Types.  | Noise control during<br>construction                                    | Contractors                    | Construction areas<br>near the specified<br>locations during the<br>construction period | EIA, Contractual<br>requirements                                  |

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|----------|--|---|--------------------------------|---|---|
| S.4.4.29 | In order to prevent potential cumulative construction noise<br>impacts to NSRs, the works at Tai Kwai Wan San Tsuen<br>are recommended to be scheduled to avoid concurrent<br>works at the areas near Tai Kwai Wan of the Improvement<br>of Fresh Water Supply to Cheung Chau project.                                 | Noise control during construction                                       | DSD and Contractors            | Construction areas<br>near the specified<br>locations during the<br>construction period | EIA, Contractual<br>requirements                            |
| S.4.4.30 | The contractor shall liaise with "Replacement and<br>Rehabilitation of Water Mains Stage 4, Mains on Hong<br>Kong and Islands – Investigation, Design and<br>Construction"" contractors so as to avoid undertaking<br>works concurrently with the works when they are in the<br>close proximity as far as practicable. | Noise control during<br>construction                                    | DSD and Contractors            | Construction areas<br>near the specified<br>locations during the<br>construction period | EIA, Contractual<br>requirements                            |
| S.4.4.31 | The contractor shall liaise with Improvement to Existing<br>Roads and Drains in Cheung Chau Old Town, Remaining<br>Engineering Works Stage 3 works contractors so as to<br>avoid undertaking works concurrently with the works when<br>they are in the close proximity as far as practicable.                          | Noise control during<br>construction                                    | DSD and Contractors            | Construction areas<br>near the specified<br>locations during the<br>construction period | EIA, Contractual<br>requirements                            |

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|-----------------------|--|--|----------------------|---------------------------------|----------|---|---|
|                       |  |  | measures?            | D                               | С        | 0 | measures to<br>achieve?   |
| Construction Phase (U | pgrading Works of Cheung Chau STW and Pak She SPS (DP Com  | ponent) and Sewers Work  | ks (non-DP Compo     | nent))                          | <b>`</b> |   | 1   |
| S.5.7.1               | <ul> <li>Practices outlined in ProPECC PN 1/94 Construction Site Drainage are recommended, as highlighted below:</li> <li>Perimeter channels are to be installed in works areas to intercept runoff at the site boundary prior to the commencement of any earthworks. Surface runoff should be discharged into storm drains via sand/ silt removal facilities with an adequate capacity;</li> <li>Works programme should be designed to minimize works areas to reduce soil exposure and site runoff;</li> <li>Silt removal facilities, channels and manholes should be maintained and cleaned regularly to ensure their proper functions;</li> <li>Works programme should be carefully planned to minimize the scale of soil excavation during the rainy season;</li> <li>Earthworks surfaces should be well compacted and subsequent permanent works or surface protection measures should be carried out immediately;</li> <li>All vehicles should be washed before they leave the construction site to avoid earth, mud, and debris being carried off from the site. Wash-water should be treated to remove</li> </ul> | Water Quality Control  | Contractors          |                                 | ~        |   | <ul> <li>WPCO;</li> <li>TM –Effluent<br/>Standards for<br/>Effluents<br/>Discharged into<br/>Drainage and<br/>Sewerage<br/>Systems, Inland<br/>and Coastal<br/>Water</li> </ul> |

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|---------------------|---|--|-------------------------|---------------------------------|---|---|---|
|                     |   |  | measures?               | D                               | С | 0 | measures to<br>achieve?   |
| (cont)              | <ul> <li>Open stockpiles of construction materials on site should be covered with tarpaulin or similar fabric materials during storms;</li> <li>For sections of pipes that need to be laid underneath water courses with the open cut method, site works should be carried out during the dry season with a temporary drainage diversion; and;</li> <li>Any construction works along Hak Pai Road immediately by the Kwun Yam beach and Cheung Chau Tung Wan beach should be avoided during the swimming season.</li> </ul> | Water Quality Control  | Contractors             |                                 | V |   | <ul> <li>WPCO;</li> <li>TM –Effluent<br/>Standards for<br/>Effluents<br/>Discharged into<br/>Drainage and<br/>Sewerage<br/>Systems, Inland<br/>and Coastal<br/>Water</li> </ul> |
| S.5.7.2 and S.5.7.3 | <ul> <li>Mitigations Measures for General Construction Activities:</li> <li>Good site practices should be adopted to regularly clean the construction sites to avoid rubbish, debris and litter from entering to nearby water bodies; and</li> <li>Good construction and site management practices should be implemented to ensure that litter, fuels, and solvents would not enter the public drainage systems.</li> </ul>   | Water Quality Control  | Contractors             |                                 | ~ |   | <ul> <li>WPCO;</li> <li>TM –Effluent<br/>Standards for<br/>Effluents<br/>Discharged into<br/>Drainage and<br/>Sewerage<br/>Systems, Inland<br/>and Coastal<br/>Water</li> </ul> |

| EIA Ref.            | Recommended Environmental Protection Measures/<br>Mitigation Measures  | Objectives of the<br>recommended<br>measures & main<br>concerns to address | Who to<br>implement the<br>measures? | When to implement the measures? |              |   | What<br>requirements or<br>standards for the  |
|---------------------|--|--|--------------------------------------|---------------------------------|--------------|---|---|
|                     |  |  | ineasures :                          | D                               | с            | 0 | measures to<br>achieve?   |
| S.5.7.4             | Domestic sewage generated by workforce would be collected and<br>discharged to the STW for proper treatment. Portable toilets should<br>be provided by the Contractor, where necessary, to handle sewage<br>from the workforce. The Contractor should also be responsible for<br>waste disposal. | Water Quality Control  | Contractors                          |                                 | $\checkmark$ |   | <ul> <li>WPCO;</li> <li>TM –Effluent<br/>Standards for<br/>Effluents<br/>Discharged into<br/>Drainage and<br/>Sewerage<br/>Systems, Inland<br/>and Coastal<br/>Water</li> </ul> |
| S.5.7.5 and S.5.7.6 | Mitigations Measures for Spillage of Chemicals:  | Water Quality Control  | Contractors                          |                                 | $\checkmark$ |   | • WPCO;   |
|                     | <ul> <li>Registration to EPD as a Chemical Waste Producer if chemical<br/>wastes are generated and need to be disposed of;</li> </ul>  |  |                                      |                                 |              |   | <ul> <li>TM –Effluent<br/>Standards for</li> </ul>  |
|                     | Illegal disposal of chemicals should be strictly prohibited; and   |  |                                      |                                 |              |   | Effluents<br>Discharged into  |
|                     | <ul> <li>Oils and fuels should only be used and stored in the<br/>designated area which has polluting prevention facilities.</li> </ul>  |  |                                      |                                 |              |   | Drainage and<br>Sewerage<br>Systems, Inland<br>and Coastal<br>Water   |

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| EIA Ref.           | Recommended Environmental Protection Measures/<br>Mitigation Measures   | Objectives of the<br>recommended<br>measures & main<br>concerns to address | Who to<br>implement the | When to implement the measures? |              |   | What<br>requirements or<br>standards for the                          |
|--------------------|---|--|-------------------------|---------------------------------|--------------|---|---|
|                    |   |  | measures?               | D                               | С            | 0 | measures to<br>achieve?   |
| Construction Phase | (Upgrading Works of Cheung Chau STW and Pak She SPS (DP Comp  | oonent) and Sewers Work  | s (non-DP Compor        | ient))                          |              |   |   |
| S.6.6.1            | The Contractor shall prepare a Waste Management Plan in<br>accordance with the requirements set out in the ETWB TCW No.<br>19/2005, Waste Management on Construction Site, for the ER's<br>approval. The WMP shall include monthly and yearly Waste Flow<br>Tables that indicate the amounts of waste generated, recycled and<br>disposed of (including final disposal site). | Waste management<br>during construction                                    | Contractors             |                                 | V            |   | ETWB TCW No.<br>19/2005, Waste<br>Management on<br>Construction Sites |
| S.6.6.1            | The Contractor's waste management practices and effectiveness shall be audited by the Engineer's Representative on regular basis.   | Waste management<br>during construction                                    | DSD                     |                                 | $\checkmark$ |   | Waste Disposal<br>Ordinance   |
| S.6.6.1            | The Contractor shall provide training for site staff concept of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling.   | Waste management<br>during construction                                    | Contractors             |                                 | V            |   | Waste Disposal<br>Ordinance   |
| S.6.6.1            | Sufficient waste disposal points and regular collection of waste shall be provided.   | Waste management<br>during construction                                    | Contractors             |                                 | $\checkmark$ |   | Waste Disposal<br>Ordinance   |
| S.6.6.1            | Trucks with covering for the open-box bed and enclosed container<br>shall be used to minimise windblown litter and dust during<br>transportation of waste.  | Waste management<br>during construction                                    | Contractors             |                                 | V            |   | Waste Disposal<br>Ordinance   |
| S.6.6.1            | Regular cleaning and maintenance programme for drainage systems, pumps and oil interceptors.  | Waste management<br>during construction                                    | Contractors             |                                 | $\checkmark$ |   | Waste Disposal<br>Ordinance   |

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|----------|---|---|--------------------------------------|---------------------------------|---|---|--|
|          |   | concerns to address                                 | ineasures :                          | D                               | с | 0 | measures to<br>achieve?                                    |
| S.6.6.1  | Separation of chemical wastes for special handling and appropriate treatment at a Chemical Waste Treatment Facility (CWTF).   | Waste management<br>during construction             | Contractors                          |                                 | 1 |   | Waste Disposal<br>(Chemical Waste)<br>(General) Regulation |
| S.6.6.1  | Encourage collection of aluminium cans, paper and plastic bottles<br>by providing separate labelled bins to enable these wastes to be<br>segregated from other general refuse generated by the workforce.   | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance                                |
| S.6.6.1  | Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.  | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance                                |
| S.6.6.1  | A recording system for the amount of wastes generated, recycled<br>and disposed (including disposal sites) should be proposed.  | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance                                |
| S.6.6.1  | Plan and stock construction materials to minimise amount of waste generated and avoid unnecessary generation of waste.  | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance                                |
| S.6.6.2  | Alternatives C&D materials such as steel frameworks and plastic fencing can be considered to increase the chances for reuse.  | Waste management<br>during construction             | Contractors                          |                                 | 1 |   | Waste Disposal<br>Ordinance                                |
| S.6.6.3  | In order to minimise the potential environmental impacts resulting<br>from collection and transportation of C&D materials for off-site<br>disposal, the excavated materials comprising fill materials should be<br>reused on-site as backfilling materials as far as practicable. | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance                                |

| EIA Ref. | Recommended Environmental Protection Measures/<br>Mitigation Measures  | Objectives of the<br>recommended<br>measures & main | Who to<br>implement the<br>measures? | When to implement the measures? |   |   | What<br>requirements or<br>standards for the  |
|----------|--|---|--------------------------------------|---------------------------------|---|---|---|
|          |  | concerns to address                                 |                                      | D                               | С | 0 | measures to<br>achieve?   |
| S.6.6.4  | C&D waste, such as wood, plastic, steel and other metals should be<br>reused or recycled and, as a last resort, disposed of to landfill sites.<br>A suitable area should be designated within the site for temporary<br>stockpiling of C&D materials and to facilitate the sorting process. In<br>order to monitor the disposal of C&D materials at the designated<br>public fill reception facility and landfill and to control fly-tipping, a trip<br>ticket system should be included. Reference can be made to<br>Development Bureau Technical Circular (Works) (TC(W)) No.<br>6/2010 for details. | Waste management<br>during construction             | Contractors                          |                                 | 1 |   | Development Bureau<br>Technical Circular<br>(Works) (TC(W)) No.<br>6/2010,<br>Waste Disposal<br>Ordinance |
| S.6.6.5  | The C&D materials to be disposed of at public filling reception<br>facilities shall be only materials consist of brick, concrete, cement<br>plaster, soil and inert building debris. The materials shall be free<br>from plastics, chemical waste, industrial metals and other materials<br>that are considered unsuitable at the facility.  | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance   |
| S.6.6.6  | General refuse should be stored in enclosed bins or compaction<br>units separate from C&D materials. A reputable waste collector<br>should be employed by the contractor to remove general refuse<br>from the site regularly, separately from C&D materials. An enclosed<br>and covered area is preferred to reduce the occurrence of 'wind<br>blown' light materials. In addition, a sufficient number of enclosed<br>bins shall be provided on site for containment of general refuse to<br>prevent visual impacts and nuisance to the sensitive surrounding.  | Waste management<br>during construction             | Contractors                          |                                 | V |   | Waste Disposal<br>Ordinance   |

| EIA Ref.           | Recommended Environmental Protection Measures/<br>Mitigation Measures  | Objectives of the<br>recommended<br>measures & main                       | Who to<br>implement the<br>measures?    | When to implement the measures? |                          |   | What<br>requirements or<br>standards for the                            |  |
|--------------------|--|---|---|---------------------------------|--------------------------|---|---|--|
|                    |  | concerns to address   | incasures :                             | D                               | С                        | 0 | measures to<br>achieve?   |  |
| S.6.6.7            | For the disposal of chemical wastes produced at the construction<br>site, the Contractor is required to register with the EPD as a<br>Chemical Waste Producer and to follow the requirements stated in<br>the Code of Practice on the Packaging, Labelling and Storage of<br>Chemical Wastes. Good quality containers compatible with the<br>chemical wastes should be used. Appropriate labels should be<br>securely attached on each chemical waste container indicating the<br>chemical characteristics of the chemical waste, such as explosives,<br>flammable oxidizing, irritant, toxic, harmful, corrosive, etc. The<br>Contractor shall also use a licensed waste collector engaged to<br>transport and dispose of the chemical wastes in accordance with<br>the Waste Disposal (Chemical Waste) (General) Regulation. | Waste management<br>during construction                                   | Contractors                             |                                 | V                        |   | Waste Disposal<br>(Chemical Waste)<br>(General) Regulation              |  |
| S.6.6.8            | Chemical toilets to be provided on-site shall be regularly cleaned<br>and the night-soil collected and transported by a licensed contractor<br>to a Government Sewage Treatment Works facility for disposal.   | Waste management<br>during construction                                   | Contractors                             |                                 | $\checkmark$             |   | Waste Disposal<br>Ordinance   |  |
| EIA Ref.           | Recommended Environmental Protection Measures/ Mitigation<br>Measures  | Objectives of the<br>recommended measure<br>& main concerns to<br>address | Who to<br>implement<br>the<br>measures? |                                 | n to imp<br>e measu<br>C |   | What<br>requirements or<br>standards for the<br>measures to<br>achieve? |  |
| Construction Phase | se (Upgrading Works of Cheung Chau STW (DP Component))   |   |   |                                 | _                        | _ |   |  |
| Table 11.8         | Visual Screen/Hoarding<br>Decorative hoarding or boundary fence for construction sites shall be<br>considered, and designed to be compatible to the surroundings.  | To minimise the potential visual impacts                                  | Contractors                             |                                 | V                        |   | N/A   |  |

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|------------|--|--|---|---|------------------------|---|
| Table 11.8 | <ul> <li>Protection to Existing Trees within Works Areas</li> <li>All existing trees which are not in direct conflict with the proposed works will be retained. The existing trees proposed to be retained shall be properly maintained and protected by means of fencing to prevent vehicular or pedestrian intrusion that may potentially damage tree canopies, trunks and root zones. Detailed tree protection specifications shall be allowed and included in the Contract Specification, which specifying the tree protection requirement, submission and approval system, and tree monitoring system. For trees with high preservation value, individual tree assessments and continuous tree monitoring reports shall be provided by a certified Arborist, Landscape Architect or related professional during construction. All retained trees shall be recorded photographically at the commencement of contract.</li> <li>Root pruning to the retained trees should be prohibited. Retained trees should be well-preserved by setting up a tree protection zone throughout the construction period for protecting the retained trees from damages.</li> <li>To maximize protection to existing trees and ground vegetation, construction contracts may designate "No-intrusion Zone" to various areas within the site boundary with rigid and durable fencing for each individual no-intrusion zone. The contractor should close monitor and restrict the site working staff not to enter the "no-intrusion zone", even for non-direct construction activities and storage of equipment.</li> </ul> | Landscape mitigation<br>measures   | DSD and<br>Contractors                  | ~ | ~                      | EIA, Annex 10 and<br>Annex 18 of EIAO-<br>TM                            |

| EIA Ref.   | Recommended Environmental Protection Measures/ Mitigation<br>Measures   | Objectives of the<br>recommended measures<br>& main concerns to          | Who to<br>implement<br>the | When to implement the measures? |              |   | What<br>requirements or<br>standards for the |
|------------|---|--|----------------------------|---------------------------------|--------------|---|--|
|            |   | address  | measures?                  | D                               | С            | 0 | measures to<br>achieve?                      |
| Table 11.8 | Tree TransplantingExisting trees to be affected shall be directly transplanted to the<br>proposed tree receiving sites, or to temporary tree nurseries<br>alternatively. Temporary tree nurseries may be set up for the<br>transplanted tree and proposed trees at an early stage to allow small<br>trees to grow during the construction stage. By the time when planting<br>area becomes available, trees have been mature and required minimal<br>pruning and suffer much less damage during transplanting. The<br>construction programme should also allow sufficient time for root<br>pruning and root ball preparation prior to transplanting, if necessary, and<br>transplanting operations to be carried out in planting season.Tree pruning such as topping, lion tailing would be prohibited as far as<br>possible. Also, frequent keep watering would be necessary for<br>transplanting trees. The proposed tree preservation measures during<br>construction would be carried out and approved by the competent<br>persons. | Landscape mitigation<br>measures   | DSD and<br>Contractors     | V                               | 1            |   | EIA, Annex 10 and<br>Annex 18 of EIAO-<br>TM |
| Table 11.8 | Construction Light<br>Security floodlight for construction areas shall be controlled, such as<br>equipped with adjustable shield, frosted diffusers and reflective covers,<br>at night to avoid excessive glare to the nearby areas and residents.<br>Other security measures shall also be considered to minimize the visual<br>impacts by construction light.   | To reduce the night-time<br>glare effect to the<br>surrounding environs. | Contractors                |                                 | $\checkmark$ |   | EIA, Annex 10 and<br>Annex 18 of EIAO-<br>TM |

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|------------|---|--|---|------------------------|---|
| Table 11.8 | Dust and Erosion Control for Exposed Soil<br>Excavation works and demolition of existing building blocks shall be well<br>planned with precautions to suppress dust. Exposed soil shall be<br>covered or watered often. Areas that are expected to be left with bare<br>soul for a long period of time after excavation shall be properly covered<br>with suitable protective fabric. Suitable drainage shall be provided<br>around construction sites to avoid discharge of contaminants and<br>sediments into sensitive water-based habitats. | To minimise the disturbance<br>to existing landscape<br>resources and minimise the<br>impacts on the visual<br>amenity of the area | Contractors                             | 1                      | EIA, Annex 10 and<br>Annex 18 of EIAO-<br>TM                            |
| Table 11.8 | Reinstatement of Works Areas<br>The affected works areas shall be properly reinstated to the satisfaction<br>of relevant government departments.  | Landscape mitigation<br>measures   | Contractors                             | $\checkmark$           | EIA, Annex 10 and<br>Annex 18 of EIAO-<br>TM                            |

# APPENDIX H Summary of All Complaints Received, Notification of Summons and Successful Prosecutions

#### Statistical Summary of Environmental Complaints

| Reporting Period            | Environmental Complaints Statistics |        |                   |  |  |  |  |
|-----------------------------|-------------------------------------|--------|-------------------|--|--|--|--|
| Keporting Feriou            | Frequency                           | Nature | Follow-up Actions |  |  |  |  |
| 1 July 2024<br>31 July 2024 | 0                                   | N/A    | N/A               |  |  |  |  |
| Cumulative                  | 1*                                  | Water  | N/A               |  |  |  |  |

\*Follow-up action is mentioned in Complaint Investigation Report of the Complaint Log No. C-001 submitted on 21 Dec 2023.

#### Statistical Summary of Environmental Summons

| Reporting Period            | <b>Environmental Summons Statistics</b> |        |                   |  |  |  |  |
|-----------------------------|---|--------|-------------------|--|--|--|--|
| Reporting Terrou            | Frequency                               | Nature | Follow-up Actions |  |  |  |  |
| 1 July 2024<br>31 July 2024 | 0                                       | N/A    | N/A               |  |  |  |  |
| Cumulative                  | 0                                       | N/A    | N/A               |  |  |  |  |

#### Statistical Summary of Environmental Prosecution

|                             | <b>Environmental Prosecution Statistics</b> |        |                   |  |  |  |  |
|-----------------------------|---|--------|-------------------|--|--|--|--|
| Reporting Period            | Frequency                                   | Nature | Follow-up Actions |  |  |  |  |
| 1 July 2024<br>31 July 2024 | 0   | N/A    | N/A               |  |  |  |  |
| Cumulative                  | 0   | N/A    | N/A               |  |  |  |  |

### APPENDIX I

## EM&A Monitoring Schedules in the Reporting Period and the Next Reporting Period (Tentative)



|     | Impac   | t Monitoring Schedule for Upgra  |        | ge Collection, Treatment | and Disposal Facilities |     |  |
|-----|---|--|--------|--------------------------|-------------------------|-----|--|
|     |   |  | Jul-24 |                          |                         |     |  |
| Sun | Mon   | Tue  | Wed    | Thu                      | Fri                     | Sat |  |
| 31  | 1   | 2  | 3      | 4                        | 5                       | 6   |  |
|     |   | 24-hour TSP monitoring for A1a<br>& A2a<br>1-hour TSP monitoring for A1a &<br>A2a<br>Daytime Noise monitoring for N2a<br>& N3a |        |                          |                         |     |  |
| 7   | 8   | Ø N3a  | 10     | 11                       | 12                      | 13  |  |
|     | 24-hour TSP monitoring for A1a<br>& A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for   |        |                          |                         |     |  |
| 14  | 15  | 16   | 17     | 18                       | 19                      | 20  |  |
|     | 24-hour TSP monitoring for A1a<br>& A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Davtime Noise monitoring for   |        |                          |                         |     |  |
| 21  | 22  | 23   | 24     | 25                       | 26                      | 27  |  |
|     | 24-hour TSP monitoring for A1a<br>& A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for   |        |                          |                         |     |  |
| 28  | 29  | 30   | 31     |                          |                         |     |  |
|     | 24-hour TSP monitoring for A1a<br>& A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for   |        |                          |                         |     |  |



|     |   |   | Aug-24 |   |     |     |
|-----|---|---|--------|---|-----|-----|
| iun | Mon   | Tue                                       | Wed    | Thu   | Fri | Sat |
|     |   |   |        | 1   | 2   | 3   |
|     | 24-hour TSP monitoring for A1a &<br>A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for N2a &<br>N3a |        | 24-hour TSP monitoring for A1a &<br>A2a<br>1-hour TSP monitoring for A1a &<br>A2a |     |     |
| 1   | 5   | 6   | 7      | 8   | 9   | 10  |
|     | 24-hour TSP monitoring for A1a &<br>A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for N2a<br>& N3a |        |   |     |     |
| 11  | 12  | 13  | 14     | 15  | 16  | 17  |
|     | 24-hour TSP monitoring for A1a &<br>A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for N2a<br>& N3a |        |   |     |     |
| 18  | 19  | 20  | 21     | 22  | 23  | 24  |
|     | 24-hour TSP monitoring for A1a &<br>A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for N2a<br>& N3a |        |   |     |     |
| 25  | 26  | 27  | 28     | 29  | 30  | 31  |
|     | 24-hour TSP monitoring for A1a &<br>A2a<br>1-hour TSP monitoring for A1a &<br>A2a | Daytime Noise monitoring for N2a<br>& N3a |        |   |     |     |