

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 19th Quarterly EM&A Report



吉寶西格斯-振華聯營公司 KEPPEL SEGHERS - ZHEN HUA JOINT VENTURE

Quarterly EM&A Report No.19 (Period from 1 January to 31 March 2023)

(Clause 3.3, Further Environmental Permit FEP-01/429/2012/A)

| KSZHJV | / | 312 | / | Quarterly | / | 00019 | / | В |
|--------|---|--------------|---|------------------|---|----------------|---|-------------------|
| | | | | EM&A | | | | |
| Issuer | | Project Code | | Type of Document | | Sequential No. | | Revision Index |

Document No.

| | Prepared by: | Certified by: | Verified by: |
|-----------|---------------------------|---------------------------|--------------------------------------|
| Name | Joe Ho | F.C Tsang | Mandy To |
| Position | Environmental Team Member | Environmental Team Leader | Independent Environmental Checker |
| Signature | A. | Toay Fauldeary | Mandej2. |
| Date: | 20 March 2024 | 20 March 2024 | 20 March 2024 |

© This document contains confidential and proprietary information belonging to Keppel Seghers - Zhen Hua Joint Venture and/or its affiliates. The contents of this document shall not be used for any other purpose than that for which they were provided. Any disclosure, copying, distribution or the taking of any action in reliance on the contents of this document is strictly prohibited. This document confers upon the recipient no right or license of whatsoever nature based on the information as described herein. If you have received this document in error, please immediately arrange for the return to Keppel Seghers - Zhen Hua Joint Venture or destruction of this document.

Revision History

| В | Updated Appendix C&D | 18 March 2024 |
|------|-----------------------------|---------------|
| Α | First Submission | 21 April 2023 |
| Rev. | DESCRIPTION OF MODIFICATION | DATE |

CONTENT

| 1. | Basic Project Information | |
|-----|---|---|
| 2. | Marine Water Quality Monitoring | 6 |
| 3. | Noise Monitoring | |
| 4. | Waste | |
| 5. | Coral | |
| 6. | Marine Mammal | |
| 7. | White-Bellied Sea Eagle | |
| | Summary of Monitoring Exceedance, Complaints, Notification of Summary | |
| 9. | EM&A Site Inspection | |
| 10. | Conclusion and Recommendations | |

| Appendix A | Master Programme |
|------------|--|
| Appendix B | Summary of Implementation Status of Environmental Mitigation |
| Appendix C | Water Quality Monitoring Data Trending |
| Appendix D | Noise Monitoring Data Trending |
| Appendix E | Waste Flow Table |
| Appendix F | Photo Records for Coral Monitoring |
| Appendix G | Photo Records for Marine Mammal Monitoring |
| Appendix H | Photo Records for White-bellied Sea Eagle Monitoring |
| Appendix I | Complaint Log |

EXECUTIVE SUMMARY

- A1. The Project, Integrated Waste Management Facility (IWMF), is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO) and is currently governed by a Further Environmental Permit (FEP No. FEP-01/429/2012/A) for the construction and operation of the Project.
- A2. In accordance with the Updated Environmental Monitoring and Audit (EM&A) Manual for the Project, EM&A works for marine water quality, noise, waste management and ecology should be carried out by Environmental Team (ET), Acuity Sustainability Consulting Limited (ASCL), during the construction phase of the Project.
- A3. This is the 19th Quarterly EM&A Report, prepared by ASCL, for the Project summarizing and concluding the monitoring results and audit findings of the EM&A programme at and around Shek Kwu Chau (SKC) during the reporting period from 1 January 2023 to 31 March 2023.
- A4. The EM&A works for construction noise, water quality, construction waste, coral, marine mammal and White-Bellied Sea Eagle (WBSE) were conducted during the reporting period in accordance with the Updated EM&A Manual.
- A5. Weekly site inspections of the construction works were carried out by ET to audit the mitigation measures implementation status. Monthly joint site inspections were carried out by ET and IEC.
- A6. As confirmed with Contractor and Project Supervising Officer, no marine construction work will be carried out from March to December 2023 tentatively. An updated EM&A arrangement to propose the temporary suspension of water quality and line-transect monitoring from March to December 2023 was submitted to EPD on 21 March 2023. EPD advised no comment on the updated EM&A arrangement on 29 March 2023. The water quality and line-transect monitoring were then temporarily suspended from 30 March 2023 onward. A two-week advance notice will be made by the Contractor prior to resumption of marine construction works. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works with updated EM&A schedule within one day after receiving the notification from contractor.

1. BASIC PROJECT INFORMATION

- 1.1. The Reporting Scope
- 1.1.1 This is the 19^h Quarterly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 January 2023 to 31 March 2023.
- 1.2. Project Organization
- 1.2.2 The Project Organization structure for Construction Phase is presented in **Figure 1.1**.

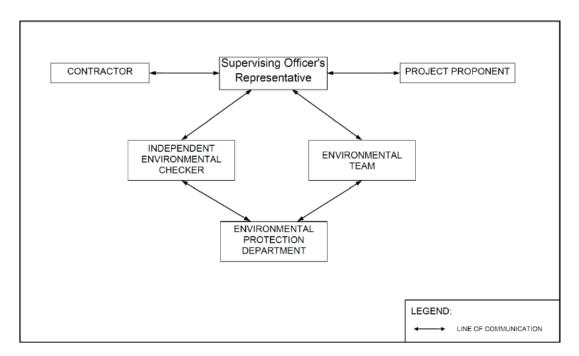


Figure 1.1 Project Organization Chart

1.2.3 Contact details of the key personnel are presented in **Table 1.1** below:

| Party | Position | Name | Telephone no. |
|---|---|----------------|---------------|
| Environmental Protection Department | Project Proponent | Cheng Tak-Kuen | 2594-6111 |
| Keppel Seghers – Zhen Hua Joint Venture | Project Manager | Peter Chung | 2192-0603 |
| Acuity Sustainability Consulting Limited | Environmental Team Leader | F.C. Tsang | 2698-6833 |
| ERM-Hong Kong, Limited | Independent Environmental Checker | Mandy To | 2271-3000 |

|--|

Acuity Sustainability Consulting Limited

1.3. Summary of Construction Works

1.3.1 Details of the major construction activities undertaken in this reporting period are shown in **Table 1.2** below. The construction programme is presented in **Appendix A**.

| Table 1.2 Summary of the Construction Activities Undertaken during the |
|--|
| Reporting Period |

| Location of works | Construction activities undertaken | Remarks on progress |
|-------------------|---|---------------------|
| Reclamation area | Reclamation works | Completed |
| | • Installation of Instrumentation | • On-going |
| | • Site Investigation works for foundation | • On-going |
| | • Foundation works (including Driven H Pile and Socketed H Pile) | • On-going |
| | • Pile cap construction | • On-going |
| | • Structural steel work | • On-going |
| Seawall portion | Installation of Chinese Pod | Completed |
| | • Caisson extension works, from +3mPD to +6mPD, at Seawall A and B | • On-going |
| | • Construction of wave wall along the vertical seawall | • On-going |

1.3.2 The status for all environmental aspects is presented in **Table 1.3**.

Table 1.3 Summary of Status for Key Environmental Aspects under the Updated EM&A Manual

| Parameters | Status |
|--|---|
| Water Quality | |
| Baseline Monitoring under | The baseline water quality monitoring result has been reported |
| Updated EM&A Manual | in Baseline Monitoring Report and submitted to EPD under |
| and Detailed Plan on DCM | FEP Condition 3.4 |
| Impact Monitoring | As confirmed with Contractor and Project Supervising Officer, |
| | no marine construction work will be carried out from March to |
| | December 2023 tentatively. An updated EM&A arrangement |
| | to propose the temporary suspension of water quality and line- transect monitoring from March to December 2023 was submitted to EPD on 21 March 2023. EPD advised no comment on the updated EM&A arrangement on 29 March 2023. The water quality and line-transect monitoring were then temporarily suspended from 30 March 2023 onward. A two- week advance notice will be made by the Contractor prior to |
| | resumption of marine construction works. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works. ET will notify the resumption of marine construction works with updated EM&A schedule within one day after receiving the notification from contractor |
| Regular DCM Monitoring | All DCM was completed on 14 October 2020, regular DCM |
| | monitoring for further 4 weeks (i.e from 16 October 2020 to 14 |
| | November 2020) was completed according to the approved |
| | Detailed Plan on Deep Cement Mixing |
| Initial Intensive DCM | Conducted from 11 February 2019 to 10 March 2019, had not |
| Monitoring | been resumed since there was no DCM related parameter |
| | exceeding the AL/LL. |
| Baseline Water Quality of | Completed over 13 August 2018 to 7 September 2018 |
| wet season Noise | |
| Baseline Monitoring | The baseline noise monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4 |
| Impact Monitoring | On-going |
| Waste Management | |
| Mitigation Measures in | On-going |
| Waste Monitoring Plan | |
| Coral | |
| Pre-translocation Survey | The Coral Translocation Plan was submitted and approved by |
| and Coral Mapping | EPD under EP Condition 2.12 |
| Coral Translocation | Completed on 28 March 2018 |
| Post-Translocation Coral Monitoring | Survey affected by missing of translocated and tagged coral colonies after typhoons in September 2018, completed on 28 March 2019. |
| Pre-construction Coral Survey and Tagging | Completed on 26 June 2018 |
| Tagged Coral Monitoring | Survey obstructed due to missing of tagged coral colonies after typhoons in September 2018 |

| Parameters | Status |
|--|--|
| Coral Survey and Re- | Re-tagging at Indirect Impact Site was conducted on 23 |
| tagging | November and Re-tagging at Control Site was conducted on 3 |
| | December 2018. |
| Post Re-tagging Coral | On-going |
| Quarterly Monitoring | |
| Marine Mammal | |
| Baseline Monitoring | The baseline marine mammal monitoring result has been |
| | reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4 |
| Impact Monitoring | Temporarily suspended since 30 March 2023, as no marine |
| | construction works as defined in the approved EIA report |
| | (AEIAR-163/2012) and the Updated EM&A Manual was |
| | conducted in this reporting month. |
| Land-based Theodolite | 30 days of theodolite surveys were started on 21 Feb 2019 and |
| Tracking | completed in May 2019. |
| Passive Acoustic | 30 days of PAM surveys were started on 1 May 2019 and |
| Monitoring | completed at the end of May 2019. |
| White-bellied Sea Eagle | |
| Baseline Monitoring | The baseline WBSE monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under FEP Condition 3.4 |
| Impact Monitoring | On-going, weekly monitoring was conducted in January and |
| I and a g | February 2023 for incubation activity, since the incubation |
| | activity was stopped on 23 February 2023 and no chick was |
| | observed, the frequency of impact monitoring was changed to |
| | twice per month in March 2023. However, chick was observed |
| | during monitoring event on 28 March 2023, the frequency of |
| | impact monitoring will changed to 7-day consecutive |
| | monitoring. |
| Environmental Audit | |
| Site Inspection covering Measures of Air Quality, | On-going |
| Noise Impact, Water | |
| Quality, Waste, | |
| Ecological Quality, | |
| Fisheries, Landscape and Visual | |
| Mitigation Measures in | Installation of caisson No.19 was completed on 18 March |
| Marine Mammal | 2021, which the reclamation area had been totally enclosed by |
| Watching Plan (MMWP) | permanent structure. Floating type silt curtain at marine |
| (initial initial initi | access was removed on 18 March 2021. No enclosed area |
| | shall be formed by deployment of silt curtain for the |
| | remaining works programme. |
| Mitigation Measures in | Installation of caisson No.19 was completed on 18 March |
| Detailed Monitoring | 2021, which the reclamation area had been totally enclosed by |
| Programme on Finless | permanent structure. Floating type silt curtain at marine |
| Porpoise (DMPFP) | access was removed on 18 March 2021. No enclosed area |
| · · · · · | shall be formed by deployment of silt curtain for the |
| | remaining works programme. |
| Mitigation Measures in | On-going |
| Vessel Travel Details | |
| | |

| Parameters | Status |
|-------------------------|-----------|
| Daily Site Audit and | Completed |
| Monitoring for Dredging | |
| Work | |

- 1.3.3 Other than the EM&A works by ET, environmental briefings, trainings and regular environmental management meetings were conducted, in order to enhance environmental awareness and closely monitor the environmental performance of the contractors.
- 1.3.4 The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the Updated EM&A Manual. A summary of updated implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix B**.

2. MARINE WATER QUALITY MONITORING

- 2.1 Water Quality Parameters
- 2.1.1 Measurement of Dissolved Oxygen (DO), Turbidity, Suspended Solids (SS), Salinity and pH have been undertaken at the eleven monitoring stations during general water quality monitoring.
- 2.1.2 DO, temperature, salinity, turbidity and pH were measured in-situ and the SS was assayed in a HOKLAS laboratory.
- 2.1.3 In associate with the water quality parameters, other relevant data were also measured, such as monitoring location/position, time, water depth, sampling depth, tidal stages, weather conditions and any special phenomena or work underway nearby were also recorded.
- 2.1.4 Impact water quality monitoring was conducted 3 days per week in the reporting period. All parameters were monitored during mid-flood and mid-ebb tides at three water depths for water quality monitoring. The interval between two sets of monitoring has not been less than 36 hours.
- 2.1.5 **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact water quality monitoring.

| Parameter, unit | Frequency | No. of Depths | | | | |
|---|--|--|--|--|--|--|
| Water Depth(m) Temperature(°C) Salinity(ppt) pH (pH unit) Dissolved Oxygen (DO)(mg/L and % of saturation) Turbidity(NTU) Suspended Solids (SS), mg/L Current velocity (m/s) Direction (in NESW) | General water quality monitoring: 3 days per week, at mid-flood and mid-ebb tides | 3 water depths: 1m below sea surface, mid-depth and 1m above sea bed.If the water depth is less than 3m, mid-depth sampling only.If water depth is less than 6m, mid-depth may be omitted. | | | | |

Table 2.1 Water Quality Monitoring Parameters, Frequency and Duration

2.2 Water Quality Monitoring Locations

2.2.1 Impact water quality monitoring was conducted at eleven monitoring locations (i.e. B1-B4, H1, C1A, C2A, F1A, CR1, CR2 and M1) during general water quality monitoring as shown in **Figure 2.1**.

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 19th Quarterly EM&A Report

Keppel Seghers – Zhen Hua Joint Venture

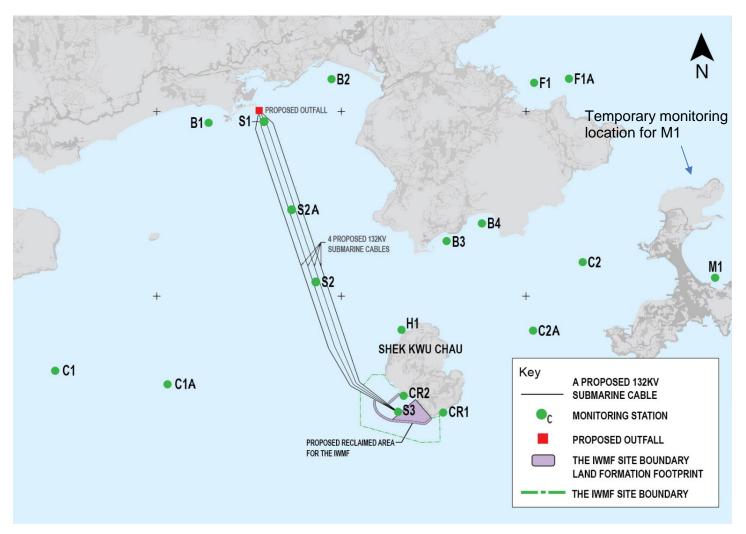


Figure 2.1 Water monitoring locations at Artificial Island near SKC

2.3 Action and Limit Levels

2.3.1 Based on the baseline monitoring data and the derivation criteria presented in the Baseline Monitoring Report, the Action/Limit Levels have been derived and are presented in **Table 2.2** and **Table 2.3** for both dry seasons (October – March) and wet seasons (April – September).

Table 2.2 Derived Action and Limit Levels for Water Quality Monitoring (Dry Season)

| Parameters | Action | Limit |
|-------------------------------|--|---|
| Construction Phas | se Impact Monitoring | |
| DO in mg/L | ≤ 7.13 | ≤ 4 |
| SS in mg/L | \geq 8 or 120% of control station's SS | \geq 10 or 130% of control station's SS at |
| | at the same tide of the same day of | the same tide of the same day of |
| | measurement, whichever is higher | measurement, whichever is higher |
| Turbidity in NTU | \geq 5.6 or 120% of control station's | \geq 12.81 or 130% of control station's |
| | turbidity at the same tide of the same | turbidity at the same tide of the same |
| | day of measurement, whichever is | day of measurement, whichever is |
| | higher | higher |
| Temperature in [°] C | 1.8°C above the temperature recorded at representative control station at the same tide of the same day | 2°C above the temperature recorded at representative control station at the same tide of the same day |

Notes:

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

ii. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
iii. For turbidity, SS and Salinity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

| Parameters | Action | Limit | | | | |
|-------------------------------|--|---|--|--|--|--|
| Construction Phas | se Impact Monitoring | | | | | |
| DO in mg/L | ≤ 5.28 | ≤ 4 | | | | |
| SS in mg/L | \geq 12 or 120% of control station's SS | \geq 14 or 130% of control station's SS at | | | | |
| | at the same tide of the same day of | the same tide of the same day of | | | | |
| | measurement, whichever is higher | measurement, whichever is higher | | | | |
| Turbidity in NTU | \geq 4.0 or 120% of control station's | \geq 4.3 or 130% of control station's | | | | |
| | turbidity at the same tide of the same | turbidity at the same tide of the same | | | | |
| | day of measurement, whichever is | day of measurement, whichever is | | | | |
| | higher | higher | | | | |
| Temperature in [°] C | 1.8°C above the temperature recorded at representative control station at the same tide of the same day | 2°C above the temperature recorded at representative control station at the same tide of the same day | | | | |

Table 2.3 Derived Action and Limit Levels for Water Quality (Wet Season)

Notes:

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

ii. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
iii. For turbidity, SS and Salinity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

- 2.4 Monitoring Results and Observations
- 2.4.1 As confirmed by the Contractor on 14 October 2020, all DCM works was completed on 14 October 2020, the post DCM water quality monitoring was completed for further 4 weeks (i.e. from 16 October 2020 to 14 November 2020) according to the approved Detailed Plan on Deep Cement Mixing. As all DCM work and post DCM water quality monitoring were completed, no water quality monitoring was conducted at S1, S2A and S3 during the reporting period. As no marine construction work will be carried out from March to December 2023 and EPD advised no comment on temporary suspension of water quality monitoring on 29 March 2023, the water quality was then temporarily suspended from 30 March 2023 onward.
- 2.4.2 Monitoring results of 6 key parameters: Salinity, DO, turbidity, SS, pH and temperature for general water quality monitoring during the reporting period, are summarized in **Table 2.4**, and results trending are presented graphically in **Appendix C.**

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Keppel Seghers – Zhen Hua Joint Venture 19th Quarterly EM&A Report

| | | Parameters | | | | | | | | | | | | | | | | | | | | |
|-----|--------|----------------|-------|-----------------------|------|------------------|----------|---------|--------|------|------|------|------|-----------------|-----|-------------------------|-------|-------|------------|------|------|------|
| | | | | | | Disso | lved Oxy | gen (mg | g/L) | | | | | | | | | | | | | |
| Loc | ations | Salinity (ppt) | | | Surf | Surface & Middle | | | Bottom | | рН | | | Turbidity (NTU) | | Suspended Solids (mg/L) | | | Temp. (°C) | | | |
| | | Jan Feb Mar | | Jan Feb Mar Jan Feb M | | Mar | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | | | | |
| | Avg. | 32.47 | 32.74 | 32.92 | 8.76 | 8.89 | 9.06 | 8.75 | 8.89 | 9.05 | 8.25 | 8.27 | 8.26 | 3.7 | 3.2 | 3.4 | 5.21 | 4.58 | 3.80 | 21.1 | 21.1 | 21.4 |
| B1 | Min. | 30.76 | 31.37 | 29.16 | 8.15 | 8.21 | 8.40 | 8.19 | 8.28 | 8.37 | 8.10 | 8.08 | 8.04 | 2.5 | 2.2 | 2.0 | 2.00 | 2.50 | 2.50 | 20.0 | 20.4 | 19.1 |
| | Max. | 33.69 | 33.87 | 34.66 | 9.54 | 9.67 | 9.85 | 9.57 | 9.61 | 9.86 | 8.37 | 8.39 | 8.42 | 5.4 | 5.4 | 5.0 | 27.00 | 14.00 | 9.00 | 22.0 | 22.3 | 22.6 |
| | Avg. | 32.26 | 32.90 | 32.69 | 8.59 | 8.62 | 8.87 | 8.58 | 8.61 | 8.86 | 8.26 | 8.27 | 8.27 | 3.6 | 3.4 | 3.5 | 5.45 | 4.80 | 3.88 | 21.0 | 21.2 | 21.3 |
| B2 | Min. | 30.43 | 30.92 | 30.11 | 8.19 | 7.99 | 8.21 | 8.21 | 8.02 | 8.27 | 8.07 | 8.10 | 8.05 | 2.6 | 2.4 | 2.2 | 2.00 | 2.50 | 2.50 | 19.8 | 20.4 | 18.8 |
| | Max. | 33.85 | 34.52 | 34.46 | 9.53 | 9.47 | 9.64 | 9.57 | 9.47 | 9.56 | 8.36 | 8.43 | 8.43 | 5.4 | 4.9 | 5.4 | 28.00 | 16.00 | 11.00 | 22.3 | 22.5 | 22.6 |
| | Avg. | 32.38 | 32.44 | 32.69 | 8.84 | 8.76 | 9.06 | 8.85 | 8.77 | 9.05 | 8.27 | 8.26 | 8.25 | 4.5 | 4.0 | 4.0 | 5.16 | 4.77 | 3.57 | 21.0 | 21.1 | 21.4 |
| B3 | Min. | 31.30 | 30.86 | 29.88 | 8.17 | 8.01 | 8.32 | 8.19 | 7.99 | 8.29 | 8.12 | 8.10 | 8.08 | 3.0 | 3.0 | 2.5 | 2.00 | 2.50 | 2.50 | 19.8 | 20.6 | 18.9 |
| | Max. | 33.75 | 34.40 | 34.62 | 9.53 | 9.56 | 9.76 | 9.60 | 9.60 | 9.81 | 8.39 | 8.38 | 8.41 | 7.2 | 5.6 | 6.5 | 27.00 | 12.00 | 11.00 | 22.1 | 22.4 | 22.4 |
| | Avg. | 32.16 | 32.73 | 32.60 | 8.80 | 8.89 | 9.10 | 8.79 | 8.89 | 9.11 | 8.27 | 8.27 | 8.25 | 4.5 | 4.0 | 3.9 | 4.72 | 4.90 | 3.50 | 21.0 | 21.1 | 21.4 |
| B4 | Min. | 30.30 | 31.51 | 28.59 | 8.16 | 8.15 | 8.26 | 8.20 | 8.20 | 8.13 | 8.11 | 8.18 | 7.99 | 3.1 | 2.8 | 2.3 | 2.00 | 2.50 | 2.50 | 19.8 | 20.2 | 18.9 |
| | Max. | 33.46 | 34.14 | 34.26 | 9.57 | 9.62 | 9.70 | 9.57 | 9.62 | 9.59 | 8.39 | 8.40 | 8.40 | 6.4 | 5.7 | 5.4 | 25.00 | 15.00 | 9.00 | 22.3 | 22.4 | 22.6 |
| | Avg. | 32.56 | 32.81 | 32.87 | 8.90 | 8.73 | 8.97 | 8.89 | 8.72 | 8.98 | 8.28 | 8.25 | 8.26 | 5.7 | 5.2 | 5.3 | 4.99 | 5.13 | 3.56 | 21.0 | 21.2 | 21.4 |
| C1A | Min. | 30.64 | 31.49 | 30.21 | 8.19 | 7.98 | 8.19 | 8.21 | 8.09 | 8.23 | 8.14 | 8.15 | 8.08 | 3.8 | 3.5 | 3.3 | 2.00 | 2.50 | 2.50 | 19.8 | 20.3 | 18.9 |
| | Max. | 33.83 | 34.32 | 34.62 | 9.73 | 9.65 | 9.83 | 9.54 | 9.55 | 9.71 | 8.40 | 8.42 | 8.42 | 8.3 | 6.6 | 7.0 | 18.00 | 19.00 | 10.00 | 22.0 | 22.5 | 22.6 |
| | Avg. | 32.39 | 32.81 | 32.80 | 8.72 | 8.78 | 8.92 | 8.72 | 8.79 | 8.93 | 8.25 | 8.27 | 8.25 | 5.7 | 5.2 | 5.3 | 5.18 | 5.18 | 3.23 | 21.1 | 21.1 | 21.4 |
| C2A | Min. | 30.35 | 31.17 | 28.65 | 8.18 | 8.12 | 8.07 | 8.18 | 8.15 | 8.06 | 8.06 | 8.14 | 8.08 | 3.5 | 3.7 | 3.4 | 2.00 | 2.50 | 2.50 | 20.1 | 20.4 | 18.9 |
| | Max. | 33.72 | 34.42 | 34.55 | 9.50 | 9.64 | 9.78 | 9.49 | 9.62 | 9.81 | 8.39 | 8.39 | 8.43 | 9.3 | 7.5 | 7.4 | 14.00 | 18.00 | 8.00 | 22.2 | 22.5 | 22.7 |
| | Avg. | 32.28 | 32.60 | 32.97 | 8.74 | 8.88 | 8.96 | 8.74 | 8.89 | 8.94 | 8.26 | 8.28 | 8.26 | 4.7 | 3.9 | 4.1 | 5.53 | 4.69 | 3.77 | 21.0 | 21.1 | 21.4 |
| CR1 | Min. | 30.93 | 30.97 | 29.00 | 8.06 | 8.19 | 7.94 | 8.09 | 8.18 | 7.94 | 8.14 | 8.08 | 8.03 | 3.3 | 2.1 | 2.6 | 2.00 | 2.50 | 2.50 | 19.9 | 20.2 | 19.0 |
| | Max. | 33.70 | 33.68 | 34.77 | 9.59 | 9.53 | 9.80 | 9.50 | 9.48 | 9.78 | 8.37 | 8.41 | 8.42 | 7.2 | 6.2 | 5.7 | 25.00 | 16.00 | 10.00 | 22.2 | 22.5 | 22.8 |
| | Avg. | 32.42 | 32.64 | 32.66 | 8.70 | 8.68 | 9.06 | 8.70 | 8.69 | 9.05 | 8.27 | 8.28 | 8.28 | 4.7 | 3.7 | 4.1 | 5.57 | 4.80 | 3.54 | 21.0 | 21.1 | 21.4 |
| CR2 | Min. | 30.89 | 31.14 | 29.43 | 8.18 | 7.89 | 8.27 | 8.15 | 7.92 | 8.30 | 8.12 | 8.15 | 8.13 | 3.0 | 2.4 | 2.3 | 2.00 | 2.50 | 2.50 | 19.8 | 20.3 | 19.0 |
| | Max. | 33.46 | 34.25 | 34.60 | 9.54 | 9.55 | 10.10 | 9.39 | 9.62 | 9.85 | 8.40 | 8.43 | 8.42 | 6.9 | 5.7 | 6.2 | 23.00 | 18.00 | 8.00 | 22.0 | 22.3 | 22.6 |
| | Avg. | 32.28 | 32.71 | 32.69 | 8.97 | 8.88 | 9.15 | 8.99 | 8.88 | 9.16 | 8.26 | 8.29 | 8.26 | 4.4 | 3.7 | 3.7 | 4.96 | 5.00 | 3.48 | 21.0 | 21.2 | 21.4 |
| F1A | Min. | 30.49 | 31.24 | 29.47 | 8.26 | 7.88 | 8.27 | 8.27 | 7.96 | 8.29 | 8.10 | 8.06 | 8.06 | 2.9 | 2.1 | 2.3 | 2.00 | 2.50 | 2.50 | 19.7 | 20.6 | 18.9 |
| | Max. | 33.83 | 34.43 | 34.60 | 9.68 | 9.71 | 9.87 | 9.61 | 9.59 | 9.88 | 8.41 | 8.44 | 8.44 | 7.4 | 5.4 | 5.5 | 29.00 | 14.00 | 11.00 | 22.3 | 22.4 | 22.6 |
| H1 | Avg. | 32.31 | 32.60 | 32.80 | 8.94 | 8.71 | 8.82 | 8.95 | 8.70 | 8.83 | 8.26 | 8.27 | 8.25 | 4.3 | 3.8 | 3.7 | 5.58 | 5.07 | 3.31 | 21.0 | 21.1 | 21.4 |
| | Min. | 30.70 | 30.96 | 28.72 | 8.24 | 7.98 | 8.33 | 8.25 | 8.06 | 8.31 | 8.07 | 8.09 | 8.02 | 2.7 | 2.1 | 2.2 | 2.00 | 2.50 | 2.50 | 19.8 | 20.4 | 18.9 |

Table 2.4 Summary of Regular Impact Water Quality Monitoring Results

Acuity Sustainability Consulting Limited

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Keppel Seghers – Zhen Hua Joint Venture 19th Quarterly EM&A Report

| | | | Parameters | | | | | | | | | | | | | | | | | | | |
|-----------|--------|----------------|------------|------------------|-------------------------|--------|------|------|------|-----------------|------|-------------------------|------|------------|-----|-----|-------|-------|------|------|------|------|
| | | | | | Dissolved Oxygen (mg/L) | | | | | | | | | | | | | | | | | |
| Locations | | Salinity (ppt) | | Surface & Middle | | Bottom | | рН | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Temp. (°C) | |) | | | | | | |
| Loc | ations | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar |
| | Max. | 33.80 | 33.99 | 34.30 | 9.58 | 9.52 | 9.79 | 9.59 | 9.43 | 9.68 | 8.39 | 8.41 | 8.43 | 7.2 | 5.2 | 5.6 | 27.00 | 14.00 | 8.00 | 22.0 | 22.4 | 22.5 |
| | Avg. | 32.32 | 32.88 | 32.86 | 8.97 | 8.79 | 8.88 | 8.96 | 8.80 | 8.88 | 8.28 | 8.28 | 8.27 | 4.4 | 4.0 | 3.6 | 5.85 | 5.27 | 3.40 | 21.0 | 21.1 | 21.4 |
| M1 | Min. | 30.47 | 31.64 | 28.83 | 8.14 | 8.09 | 8.25 | 8.18 | 8.09 | 8.28 | 8.16 | 8.16 | 8.10 | 2.8 | 2.9 | 2.2 | 2.00 | 2.50 | 2.50 | 19.9 | 20.5 | 19.1 |
| | Max. | 34.01 | 34.07 | 34.55 | 9.68 | 9.54 | 9.48 | 9.61 | 9.45 | 9.47 | 8.37 | 8.37 | 8.43 | 8.3 | 5.8 | 5.6 | 32.00 | 14.00 | 8.00 | 22.1 | 22.2 | 22.5 |

Notes:

i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under mid-flood and mid-ebb tides at three water depths, except that of DO where the data for "Surface & Middle" and "Bottom" are calculated separately.

ii. As no marine construction work will be carried out from March to December 2023 and EPD advised no comment on temporary suspension of water quality monitoring on 29 March 2023, the water quality was then temporarily suspended from 30 March 2023 onward.

- 2.4.3 All of the monitoring results for temperature, DO and turbidity obtained in the reporting period complied with their corresponding Action and Limit levels. Sixteen (16) of the general water quality monitoring results of SS had exceeded Action Level during the reporting period, while Sixteen (16) exceedances of the Limit Level of SS were also recorded. For the salinity, pH, DO, turbidity, temperature and SS, their trends were fluctuated independent to the site activities and presented in **Appendix C**.
- 2.4.4 No major pollution source which might affect the results was observed during the impact monitoring.
- 2.4.5 Details of the exceedance are presented in **Section 8**.
- 2.4.6 Implemented mitigation measures minimizing the adverse impacts on water are listed in the implementation schedule given in **Appendix B**.

3. NOISE MONITORING

- 3.1 Noise Monitoring Parameters
- 3.1.1 Impact noise monitoring was conducted weekly in the reporting period between 0700 and 1900 hours on normal weekdays. Additional impact noise monitoring was conducted weekly in the reporting period between 1900 and 0700 hours on all days as well as public holidays and Sundays.
- 3.1.2 Construction noise level measured in terms of the A-weighted equivalent continuous sound pressure level (L_{Aeq}). L_{eq 30min} was used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. L_{eq 5min} was used as the monitoring parameter for the time period between 1900 and 0700 hours as well as public holidays and Sundays. **Table 3.1** summarizes the monitoring parameters, frequency and duration of the impact noise monitoring and additional impact noise monitoring.

 Table 3.1 Noise Monitoring Parameters, Time, Frequency and Duration

| Monitoring Station | Time | Duration | Parameters |
|------------------------------------|--|--|--|
| | Day time: 0700-1900 hrs (during normal weekdays) | Once per week $L_{eq 5min}/L_{eq 30min}$ (average of 6 consecutive $L_{eq 5min}$) | L _{eq} , L ₁₀ & L ₉₀ |
| M1/ N_S1, M2/ N_S2, M3/ N_S3 | Evening time: 1900-2300 hrs (including normal weekdays, also public holidays and Sundays) | Once per week L _{eq 5min} (3 sets of L _{eq 5min}) | L _{eq} , L ₁₀ & L ₉₀ |
| | Night time: 2300-0700 hrs (including normal weekdays, also public holidays and Sundays) | Once per week L _{eq 5min} (3 sets of L _{eq 5min}) | L _{eq} , L ₁₀ & L ₉₀ |

3.2 Noise Monitoring Locations

3.2.1 Three noise monitoring locations for impact monitoring and additional impact monitoring at the nearby sensitive receivers are shown in **Figure 3.1**

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Keppel Seghers – Zhen Hua Joint Venture 19th Quarterly EM&A Report

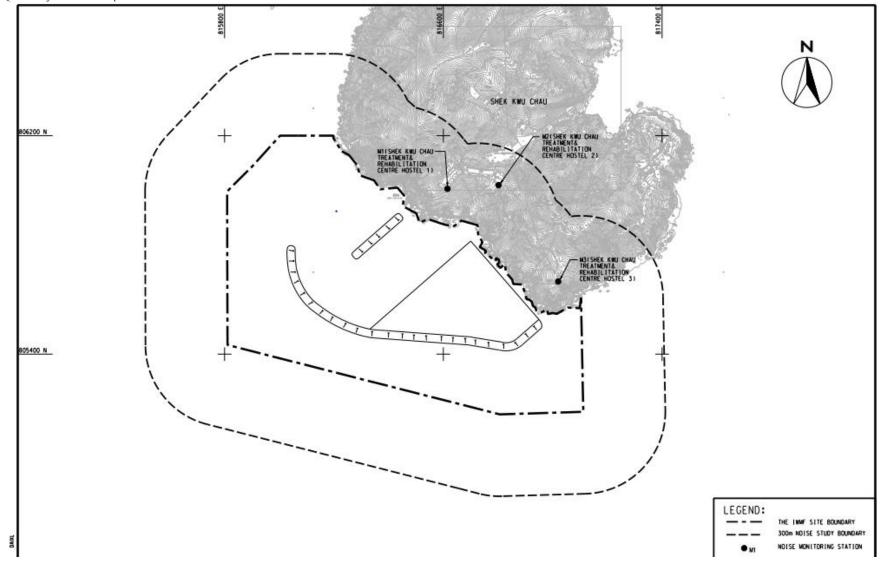


Figure 3.1 Noise monitoring locations at SKC

- 3.2.2 M1, M2 and M3 are Shek Kwu Chau Treatment and Rehabilitation Centre Hostel 1, 2 and 3 respectively of The Society for the Aid and Rehabilitation of Drug Abusers (SARDA) located at southern part of Shek Kwu Chau.
- 3.2.3 Measurements at M1 & M3 were conducted at a point 1m from the exterior of the sensitive receivers building façade and at a position 1.2m above the ground. Measurement setup at M3 has been varying with minor adjustment to minimize the disturbance to the users of Treatment Centre. Measurement at M2 was conducted at a point 1m from building façade of the ceiling of 1st floor level for avoidance of mutual disturbance with users of Treatment Centre. The minor adjustment of monitoring locations, which were in favour to mutual convenience with the users of Treatment Centre, were found with no effect on monitoring result based on on-site observation and experience from the Baseline monitoring of the Project.
- 3.2.4 The noise monitoring stations are summarized in **Table 3.2** below.

| Station | NSR ID in EIA Report | Noise Monitoring Location | Type of sensitive receiver(s) | Measurement Type |
|---------|-------------------------|--|-------------------------------|---------------------|
| M1 | N_S1 | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 | Residential | Façade |
| M2 | N_S2 | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 | Residential | Façade |
| M3 | N_S3 | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 | Residential | Façade |

Table 3.2 Noise Monitoring Location

- 3.3 Action and Limit Levels
- 3.3.1 The Action/Limit Levels in line with the criteria of Practice Note for Professional Persons (ProPECC PN 2/93) "Noise from Construction Activities Non-statutory Controls" and Technical Memorandum on Environmental Impact Assessment Process issued by HKSAR Environmental Protection Department ["EPD"] under the Environmental Impact Assessment Ordinance, Cap 499, S.16 is presented in **Table 3.3**.

| Table 3.3 Action and Limit Levels for Noise | per Updated EM&A Manual |
|---|-------------------------|
|---|-------------------------|

| Time Period | Action | Limit (dB(A)) | | |
|-------------------------|-----------------------|---------------|--|--|
| 0700-1900 hrs on normal | When one documented | 75 dB(A) | | |
| weekdays | complaint is received | 75 dD(A) | | |

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

- 3.4 Monitoring Results and Observations
- 3.4.1 Impact monitoring for noise impact for daytime was conducted in the reporting period. The impact noise levels at Noise Monitoring Stations at SKC (i.e. M1/ N_S1 to M3/ N_S3) are summarized in **Table 3.5**. Additional impact monitoring during restricted hours was conducted in the reporting period. The additional impact noise levels at Noise Monitoring Stations at SKC (i.e. M1/ N_S1 to M3/ N_S3) are summarized in **Table 3.6** and **Table 3.7** respectively. Trending of the noise monitoring results is presented graphically in **Appendix D**.

- 3.4.2 Major construction activity, major noise source and extreme weather which might affect the results were recorded during the impact monitoring.
- 3.4.3 According to our field observations, the major noise source identified at the noise monitoring station in the reporting quarter are summarised in **Table 3.4**. Sound from the intermittent piling work was the noticeable noise source for monitoring stations M1, M2 and M3. Air conditioning units were also observed at station M3 during the impact monitoring.

| Monitoring Station | Major Noise Source |
|--------------------|---|
| M1 | Sound from the intermittent piling work |
| M2 | Sound from the intermittent piling work |
| M3 | Sound from the intermittent piling work, air-conditioners |

Table 3.4 Summary of Field Observation

3.4.4 No data from impact monitoring during daytime had exceeded the stipulated limit level at 75 dB(A).

Table 3.5 Summary of Impact Noise Monitoring Results during Daytime (0700 – 1900 hrs)

| Location | | Noise in dB(A) | | | | | | | | | | | | | |
|----------|--------|---------------------------|--------|--------|---------------|--------|--------------------|--------|--------|--|--|--|--|--|--|
| | Ra | nge of L _{eq 30} | min | Ra | nge of L10 30 | min | Range of L90 30min | | | | | | | | |
| | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | | | | | | |
| M1 | 48.3 - | 59.0 - | 58.7 – | 50.7 - | 61.7 – | 60.6 - | 45.4 - | 54.7 – | 55.4 - | | | | | | |
| | 62.4 | 64.5 | 61.9 | 65.2 | 67.2 | 64.2 | 56.8 | 58.2 | 58.6 | | | | | | |
| 140 | 50.0 - | 56.0 - | 56.7 – | 51.6 - | 58.7 – | 58.5 – | 47.5 – | 53.0 - | 53.2 - | | | | | | |
| M2 | 58.0 | 58.6 | 57.5 | 61.4 | 61.5 | 59.1 | 53.9 | 55.1 | 55.2 | | | | | | |
| M2 | 48.7 – | 55.5 – | 54.6 - | 50.6 - | 59.0 - | 56.6 - | 44.9 - | 51.3 - | 50.4 - | | | | | | |
| M3 | 65.6 | 58.9 | 59.2 | 70.9 | 63.0 | 63.6 | 54.9 | 53.4 | 53.0 | | | | | | |

- 3.4.5 Applicable mitigation measures for construction works are fully implemented as shown in **Appendix B**, where double-glazed windows and air conditioning system were also installed and confirmed operable for the NSRs (N_S1, N_S2 & N_S3).
- 3.4.6 During the noise monitoring event, frontline staff of ET have inquired the treatment centre users on any noise disturbance from the construction activities at evening and night time, where no complaint and adverse opinions was received.
- 3.4.7 Data from impact monitoring during evening time and night time were compared with the NCO criteria. Where site inspection and auditing on Contractor's record have shown that the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority for construction works during restricted hours were followed. No inappropriate practice were spotted during evening time and night time construction works, thus the stipulated requirement on noise impact control during night time and evening time was achieved.

| | | | | N | oise in dB(A | A) | | | | |
|----------|--------|--------------------------|--------|--------|-------------------------|--------|-------------------------------|--------|--------|--|
| Location | Ra | nge of L _{eq 5} | imin | Ra | nge of L ₁₀₅ | imin | Range of L _{90 5min} | | | |
| | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | |
| M1 | 39.3 – | 42.2 - | 42.6 - | 40.9 - | 42.2 - | 44.0 - | 38.1 – | 38.4 - | 40.8 - | |
| | 46.5 | 62.0 | 51.5 | 49.1 | 64.7 | 53.6 | 43.1 | 53.5 | 49.5 | |
| 1/2 | 45.4 - | 45.6 - | 49.4 – | 46.0 - | 47.1 – | 50.8 - | 43.4 - | 44.3 – | 47.9 – | |
| M2 | 50.7 | 58.0 | 53.7 | 54.9 | 60.8 | 54.2 | 48.5 | 53.2 | 52.1 | |
| M2 | 40.4 - | 43.2 - | 40.6 - | 40.8 - | 43.7 – | 41.8 - | 38.4 - | 41.1 - | 39.1 – | |
| M3 | 50.5 | 50.0 | 49.0 | 53.9 | 56.0 | 50.2 | 43.0 | 47.7 | 47.8 | |

Table 3.6 Summary of the Additional Impact Noise Monitoring Results during Evening Time (1900-2300 hrs)

| Table 3.7 Summary of Additional Impact Noise Monitoring Results during Night Time |
|---|
| (2300 – 0700 hrs) |

| | Noise in dB(A) | | | | | | | | | |
|----------|----------------|---------------|--------|--------|--------------|--------|-------------------------------|--------|--------|--|
| Location | Ra | inge of Leq 5 | min | Ra | nge of L10 5 | imin | Range of L _{90 5min} | | | |
| | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar | |
| N/1 | 36.3 - | 35.1 - | 39.7 – | 37.2 - | 35.8 - | 40.9 - | 35.2 - | 34.3 - | 37.8 - | |
| M1 | 43.1 | 46.5 | 51.8 | 45.6 | 48.6 | 54.1 | 39.8 | 44.3 | 50.1 | |
| MO | 42.9 - | 43.7 - | 48.6 - | 43.5 - | 44.2 - | 49.0 - | 42.4 - | 43.3 - | 47.3 – | |
| M2 | 51.8 | 56.3 | 51.3 | 53.6 | 59.4 | 52.6 | 49.4 | 50.4 | 50.6 | |
| | 36.4 - | 39.2 - | 39.5 – | 37.2 - | 40.0 - | 40.2 - | 35.3 - | 35.3 - | 38.8 - | |
| M3 | 49.4 | 52.0 | 48.1 | 57.6 | 54.0 | 49.3 | 45.9 | 48.1 | 47.5 | |

4. WASTE

- 4.1 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.
- 4.2 As advised by the Contractor, for C&D waste, 73,502.3m³ C&D material was generated on site in the reporting period and disposed as public fill. 315.0kg of paper was generated on site and collected by registered recycling collector. 11,150.1kg of metal waste was collected by registered recycling collector. 0.7kg of plastics was collected by registered recycling collector. No chemical waste was collected by the licensed chemical waste collector. 370.5m³ of other types of wastes (e.g. general refuse) were generated on site and disposed of at Landfill. 4,156.0m³ of fill rock was imported during the reporting quarter.
- 4.3 Chemical waste generated from land-based construction activities was stored in the chemical waste cabinet for temporary storage.
- 4.4 With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting period are summarised in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix E**.
- 4.5 The Contractor is advised to sort and store any solid and liquid waste on-site properly prior to disposal.

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Keppel Seghers – Zhen Hua Joint Venture 19th Quarterly EM&A Report

| | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | | | |
|---------------------|--|---|------------------------------|--------------------------------|-------------------------------|------------------------------------|--------------------------|---|---|-------------|-------------|----------------|------------|--------------------------------|
| Reporting Period | Total Quantity Generated | Hard Rock and Large Broken Concrete (see Note 1) | Reused in the Contract | Reused in other Projects | Disposed as Public Fill | Imported Fill Sand Public Fill Roc | ll Rock | Metals | Paper / Plastics cardboard packaging (see Note 2) | | Chemica | Chemical Waste | | |
| | (in ,000m ³) | (in ,000m ³) | (in ,000m ³) | (in ,000m ³) | (in ,000m ³) | | (in ,000m ³) | | (in ,000kg) | (in ,000kg) | (in ,000kg) | (in ,000kg) | (in ,000L) | 3) (in ,000m ³) |
| Jan 2023 | 24.6728 | 0 | 0 | 24.6728 | 0 | 0 | 0 | 1.3545 | 0 | 0.3150 | 0 | 0 | 0 | 0.1365 |
| Feb 2023 | 26.7206 | 0 | 0 | 26.7206 | 0 | 0 | 0 | 1.8990 | 11.1501 | 0 | 0.0007 | 0 | 0 | 0.1235 |
| Mar 2023 | 22.1089 | 0 | 0 | 22.1089 | 0 | 0 | 0 | 0.9025 | 0 | 0 | 0 | 0 | 0 | 0.1105 |

Table 4.1 Quantities of Waste Generated from the Project

Notes:

1. Broken concrete for recycling into aggregates.

2. Plastic refer to plastic bottles / containers, plastic sheets / foam from packaging materials.

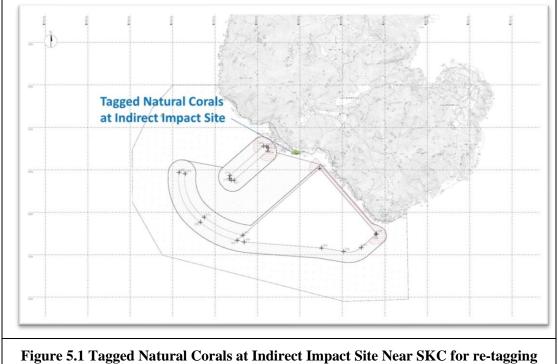
3. Use the conversion factor: 1 full load of dumping truck being equivalent to 6.5 m^3 by volume.

4. Use the conversion factor: rock density = $2 T/m^3$.

5. CORAL

- 5.1 Coral Monitoring Parameters
- 5.1.1 Ten (10) tagged coral colonies at each site of suggested control site and indirect impact site are being monitored weekly for the first month and followed by monthly monitoring for three months. The selected Control Site is located at Yuen Kong Chau of Soko Islands about 7 km away from the project area. After the hitting of super typhoon Mangkhut in mid-September 2018, the coral re-tagging activities at indirect impact site and control site were conducted in November and December 2018 respectively. Tagged coral colonies at the proposed recipient site are being monitored quarterly for one year and the last post-translocation coral monitoring was completed on 28 Mar 2019. The selected recipient site R3 is located the opposite side of the Project area at about 2 km away.
- 5.1.2 Monitoring recorded the following parameters (using the same methodology adopted during the pre-translocation survey); the size, presence, health conditions (percentage of mortality/bleaching) and percentage of sediment of each trans-located coral colony. The general environmental conditions including weather, sea, and tidal conditions of survey sites were monitored.
- 5.1.3 Health status of coral was assessed by the following criteria: Hard coral: Percentage of surface area exhibiting partial mortality and blanched/bleached area of each coral colony and degree of sedimentation.
- 5.2 Coral Monitoring Locations

Location of the ten tagged coral colonies at each of the proposed indirect impact site, control site, the recipient site R3 and REA transect at proposed indirect impact site are shown in **Figure 5.1**, **Figure 5.2** and **Figure 5.3** respectively:



after typhoon Mangkhut



Figure 5.2 Tagged Natural Corals at Control Site Near Yuen Kong Chau for retagging after typhoon Mangkhut



Figure 5.3 Tagged Translocation Corals at Recipient Site R3 near SKC

5.2.1 The GPS coordinates of the tagged coral colonies and retagged coral colonies at both indirect impact site, control site and recipient site R3 were shown in **Table 5.1**, **Table 5.2** and **Table 5.3** respectively.

| Coral # note i | GPS | Coordinates |
|----------------|---------------|----------------|
| 1 | N22°09'45.96" | E113°54'57.81" |
| 2R | N22°11'29.12" | E113°59'09.01" |
| 3 | N22°09'45.81" | E113°54'57.78" |
| 4 | N22°09'45.70" | E113°54'57.95" |
| 5R | N22°11'29.10" | E113°59'09.18" |
| 6 | N22°09'45.75" | E113°54'58.02" |
| 7R | N22°11'29.17" | E113°59'08.86" |
| 7 | N22°09'45.65" | E113°54'57.94" |
| 8 | N22°09'45.53" | E113°54'57.90" |
| 9 | N22°09'46.23" | E113°54'54.70" |
| 10R | N22°11'29.18" | E113°59'08.91" |

Table 5.1 Tagged Natural Corals during Baseline and Re-tagged Natural Corals afterTyphoon Manghkut at Control Site near Yuen Long Chau

Notes:

i. The re-tagged corals were marked as ##**R**.

Table 5.2 Re-tagged Natural Corals after Typhoon Manghkut at Indirect Impact Site near SKC

| Coral # note i | GPS Coordinates | | | | | |
|----------------|-----------------|----------------|--|--|--|--|
| 11R | N22°11'29.14" | E113°59'08.92" | | | | |
| 12R | N22°11'29.12" | E113°59'09.01" | | | | |
| 13R | N22°11'29.11" | E113°59'09.07" | | | | |
| 14R | N22°11'29.13" | E113°59'09.12" | | | | |
| 15R | N22°11'29.10" | E113°59'09.18" | | | | |
| 16R | N22°11'29.07" | E113°59'09.23" | | | | |
| 17R | N22°11'29.17" | E113°59'08.86" | | | | |
| 18R | N22°11'29.14" | E113°59'08.94" | | | | |
| 19R | N22°11'29.20" | E113°59'08.81" | | | | |
| 20R | N22°11'29.18" | E113°59'08.91" | | | | |

Notes:

i. The re-tagged corals were marked as ##**R**.

| Site | GPS Coordinates | | | | |
|------|-----------------|-------------|--|--|--|
| R3 | N22°11'43.69" | E113°28.99" | | | |

5.3 Action and Limit Levels

5.3.1 Monitoring result was reviewed and compared against the below Action Level and Limit Level (AL/LL) as set with the below **Table 5.4** and **Table 5.5**.

| Parameter | Action Level | Limit Level |
|-----------|---------------------------------|--------------------------------|
| | If during Impact Monitoring | If during Impact Monitoring a |
| | a 15% increase in the | 25% increase in the |
| | percentage of partial | percentage of partial |
| | mortality on the corals | mortality on the corals occurs |
| | occurs at more than 20% of | at more than 20% of the |
| Mortality | the tagged indirect impact | tagged indirect impact site |
| | site coral colonies that is not | coral colonies that is not |
| | recorded on the tagged | recorded on the tagged corals |
| | corals at the control site, | at the control site, then the |
| | then the Action Level is | Limit Level is exceeded. |
| | exceeded. | |

Table 5.4 Action and Limit Levels for Construction Phase Coral Monitoring

Table 5.5 Action and Limit Levels for Post-Translocation Coral Monitoring

| Parameter | Action Level | Limit Level |
|-----------|---|--|
| Mortality | If during Post-Translocation Monitoring a 15% increase in the percentage of partial mortality on the corals occurs at more than 20% of the translocated coral colonies that is not recorded on the original corals in the recipient site, then the Action Level is exceeded. | If during Post-Translocation Monitoring a 25% increase in the percentage of partial mortality on the corals occurs at more than 20% of the translocated coral colonies that is not recorded on the original corals in the recipient site, then the Limit Level is exceeded. |

5.4 Monitoring Results and Observations

- 5.4.1 Ten (10) hard coral colonies were monitored at each site of Control and Indirect Impact sites as suggested in the Construction Phase Monitoring Plan. The general health conditions (size, mortality, bleaching and sediment) were recorded and summarized in **Table 5.7** and **Table 5.8**. Photos of each tagged coral colonies were taken during the monitoring activities and shown in **Appendix F.**
- 5.4.2 The 17th quarterly coral monitoring during construction phase at both Indirect Impact Site and Control Site was conducted on 28 March 2023 and the weather condition was summarized in **Table 5.6**.

Table 5.6 Weather Condition for the 17th Quarterly Coral Monitoring during Construction Phase at both Indirect Impact Site and Control Site

| Date | Condition | Average Underwater Visibility |
|---------------|---|----------------------------------|
| 28 March 2023 | Northeast wind force 3 to 4 Mainly cloudy with one or two rain patches | Less than 10 cm |

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Keppel Seghers – Zhen Hua Joint Venture 19th Quarterly EM&A Report

| Coral # | Species | Size (cm) – Max. | Condition | Mortali | ty (%) | Bleachii | ng (%) | Sediment (%) | | |
|---------|-----------------------------|------------------|-----------|---|-------------|---|-------------|---|-------------|--|
| | Species | Diameter | Condition | Baseline (26 Jun 2018 & 3 Dec 2018) | 28 Mar 2023 | Baseline (26 Jun 2018 & 3 Dec 2018) | 28 Mar 2023 | Baseline (26 Jun 2018 & 3 Dec 2018) | 28 Mar 2023 | |
| 1 | Goniopora stutchburyi | 25 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2R | Goniopora stutchburyi | 10 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3 | Psammocora superficialis | 18 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | Turbinaria peltata | 13 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5R | Goniopora stutchburyi | 18 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6 | Cyphastrea serailia | 43 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7R | Coscinaraea sp. | 15 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 8 | Goniopora stutchburyi | 21 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 9 | Goniopora stutchburyi | 11 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10R | Goniopora stutchburyi | 20 | Good | 0 | 0 | 0 | 0 | 0 | 0 | |

Table 5.7 Sizes, Condition, Mortality, Bleaching and Sediment of 10 Natural Coral Colonies at Control Site of 17th Quarterly Coral Monitoring (28 March 2023) during 55th to 57th Monthly Construction Phase Monitoring

Notes:

i. The re-tagged corals were marked as ##R.

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 Keppel Seghers – Zhen Hua Joint Venture 19th Quarterly EM&A Report

| 1 a | Monitoring (28 March 2023) during 55 th to 57 th Monthly Construction Phase Monitoring | | | | | | | | | |
|---------|--|------------------------------|-----------|---------------|--|----------|---------|----------|--------|--|
| Coral # | Species | Size (cm) – Max. Diameter | Condition | Mortality (%) | | Bleach | ing (%) | Sedime | nt (%) | |
| | | Diameter | | | | Bacalina | | Basalina | | |

Table 5.8 Sizes, Condition, Mortality, Bleaching and Sediment of 10 Natural Coral Colonies at Indirect Impact Site of 17th Ouarterly Coral

| Coral # | Species | Size (cm) – Max. Diameter | Condition | Mortality (%) | | Bleaching (%) | | Sediment (%) | |
|---------|-----------------------------|------------------------------|-----------|---------------------------|-------------|---------------------------|-------------|---------------------------|-------------|
| | | Diameter | | Baseline (23 Nov 2018) | 28 Mar 2023 | Baseline (23 Nov 2018) | 28 Mar 2023 | Baseline (23 Nov 2018) | 28 Mar 2023 |
| 11R | Cyphastrea serailia | 48 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 12R | Favites chinensis | 27 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 13R | Turbinaria peltata | 21 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 14R | Favites chinensis | 8 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 15R | Goniopora stutchburyi | 11 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 16R | Psammocora superficialis | 27 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 17R | Favites chinensis | 15 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 18R | Psammocora superficialis | 39 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 19R | Psammocora superficialis | 42 | Good | 0 | 0 | 0 | 0 | 0 | 0 |
| 20R | Psammocora superficialis | 29 | Good | 0 | 0 | 0 | 0 | 0 | 0 |

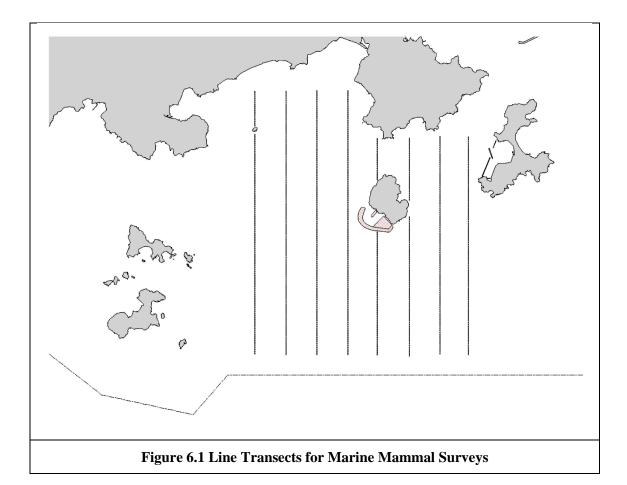
Notes:

The re-tagged corals were marked as ##R. i.

- 5.4.3 The re-tagging activity had been done at both Indirect Impact Site and Control Site in November 2018 and December 2018 respectively. A total of 20 tagged coral colonies (10 at control site and 10 at indirect impact site including the re-tagged coral colonies) were monitored. Similar to the baseline results performed in June, November and December 2018 and the results of the previous quarterly coral monitoring during construction phase, the health condition of all tagged and re-tagged coral colonies at Indirect Impact Site and Control site were good in general. No increased mortality was recorded during the survey in March 2023.
- 5.4.4 No sediment, bleaching or increased mortality in the general condition of coral colonies were observed during the 17th quarterly coral monitoring period. No deterioration of the coral community was observed in the ecological monitoring results when compared with the baseline ecological monitoring results. There is no AL/LL exceedance during the monitoring period.

6. MARINE MAMMAL

- 6.1 Survey Methods
- 6.1.1 Vessel-based Line-transect Survey
- 6.1.1.1 For the vessel-based marine mammal surveys, the monitoring team adopted the standard line-transect method (Buckland et al. 2001) as same as that adopted during the EIA study and pre-construction phase monitoring to allow fair comparison of marine mammal monitoring results.
- 6.1.1.2 Eight transect lines are set at Southeast Lantau survey area, including Shek Kwu Chau, waters between Shek Kwu Chau and the Soko Islands, inshore waters of Lantau Island (e.g. Pui O Wan) as well as southwest corner of Cheung Chau as shown in Figure 6.1 below:



- 6.1.1.3 In comparison to the baseline monitoring results, results from the analyzed construction phase monitoring data would allow the detection of any changes of their usage of habitat, in response to the scheduled construction works.
- 6.1.2 Passive Acoustic Monitoring (PAM)
- 6.1.2.1 The PAM aims to study the usage of an area by Finless Porpoise by using an array of automated static porpoise detectors (e.g. C-POD) which would be deployed at different locations to detect the unique ultra-high frequency sounds produced by

Finless Porpoise. During the construction period, the PAM survey will be conducted including placement of two passive porpoise detectors outside the Project Area as control site (i.e. within Pui O Wan and to the south of Tai A Chau) and one porpoise detector within the Project Area (i.e. near Shek Kwu Chau) as shown in **Figure 6.2** below.

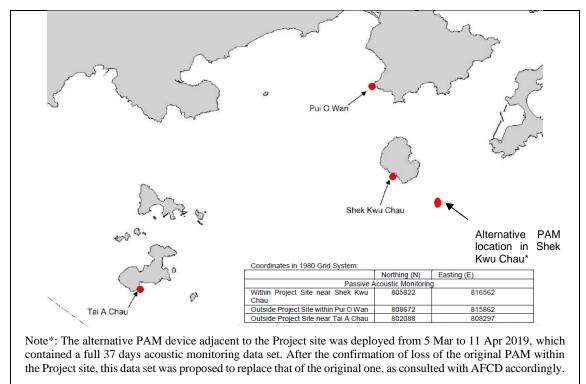


Figure 6.2 Locations of Passive Acoustic Monitoring

6.1.2.2 These three detectors will be deployed on-site to carry out 24-hours monitoring for a period listed as **Table 6.1** below during the construction phase.

| Season | Months | Deployment Period |
|-------------|------------------------------|----------------------------------|
| Peak Season | December, January, February, | At least 30 days during the peak |
| | March, April or May | months of porpoise occurrence |
| | | in South Lantau waters |

- 6.1.2.3 The automated static porpoise detectors shall detect the presence and number of finless porpoise and Chinese White Dolphins respectively over the deployment period, with the false signal such as boat sonar and sediment transport noise distinguished and filtered out. The detectors shall be deployed and retrieved by professional dive team on the seabed of the three selected location shown in **Figure 6.2**. During each deployment, the C-POD unit serial numbers as well as the time and date of deployments shall be recorded. Information including the GPS positions and water depth at each of the deployment locations shall also be obtained.
- 6.1.2.4 The diel patterns (i.e. 24-hour activity pattern) of finless porpoise occurrence among the three sites at Shek Kwu Chau, Tai A Chau and Pui O Wan shall be analyzed. Peaks and troughs of finless porpoise occurrence per hour of day would be identified and compared with the results obtained from pre-construction monitoring.

6.1.3 Land-based Theodolite Tracking

6.1.3.1 The Land-based Theodolite Tracking study would use the same station as in the AFCD monitoring study(same as the baseline monitoring location), which is situated at the southwest side of Shek Kwu Chau (GPS position: 22°11.47' N and 113°59.33' E) as shown in below Figure 6.3. The station was selected based on its height above sea level (at least 20 metres), close proximity to shore, and relatively unobstructed views of the entire Project Area to the southwest of Shek Kwu Chau. The height of the Shek Kwu Chau Station established by the HKCRP team is 74.6 m high at mean low water, and only a few hundred metres to the IWMF reclamation site, which is ideal for the purpose for the present behavioural and movement monitoring of finless porpoises as well during construction phase considering there as an un-obstructed vantage point at a height above the Project Site.

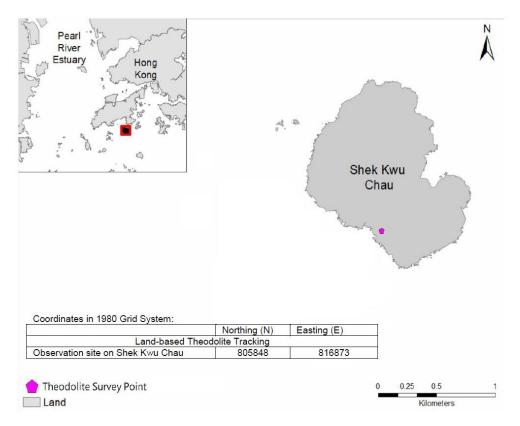


Figure 6.3 Locations of Land-based Theodolite Tracking

6.1.3.2 During the construction phase, Land-based Theodolite Tracking will be carried out for approximately six hours of tracking for each day of field work for a period listed as **Table 6.2** below, preferably at the initial stage of the construction period (i.e. December 2018 to May 2019).

| Season | Months | Survey Period |
|-------------|------------------------------|---------------------------------|
| Peak Season | December, January, February, | 30 days during the peak months |
| | March, April or May | of porpoise occurrence in South |

6.1.3.3 The monitoring period for land-based theodolite tracking will be proposed to be overlapped with the PAM. The monitoring team consists of one experienced theodolite operator and at least two field observers for assistance. To conduct

Lantau waters

theodolite tracking, the observers will search systematically for Finless Porpoise using the unaided eye and 7 x 50 handheld binoculars on each survey day throughout the study area. When an individual or group of porpoises is located, a theodolite tracking session will be initiated and focal follow methods will be used to track the porpoise(s). Behavioural state data (i.e. resting, milling, travelling, feeding and socializing) shall also be recorded every 5 minutes for the focal individual or group. Positions of porpoises and boats shall be measured using a digital theodolite connected to a laptop computer. This tracking survey will be conducted during the peak season between December 2018 and May 2019 for 30 surveys spanning across 15-16 weeks during the peak season to provide good temporal coverage during the initial stage of the construction period.

- 6.2 Specific Mitigation Measures
- 6.2.1 Monitored exclusion zones
- 6.2.1.1 During the installation/re-installation/relocation process of floating type silt curtains, in order to avoid the accidental entrance and entrapment of marine mammals within the silt curtains, a monitored exclusion zone of 250 m radius from silt curtain should be implemented and monitored by competent Marine Mammal Observers (MMOs). Marine Mammal Exclusion Zone (MMEZ) would also be implemented for precautionary purpose for DCM works.
- 6.2.2 Marine mammal watching plan
- 6.2.2.1 Upon the completion of silt curtain installation/re-installation/relocation, marine mammal watching plan would be implemented to observe the presence of any marine mammal around the localized silt curtain or being trapped by the localized silt curtain.
- 6.3 Results and Observations
- 6.3.1 Vessel-based Line-transect Survey
- 6.3.1.1 Six monthly surveys were conducted during the reporting period. As this covered the designated peak season (December May), total of six surveys were conducted from January to March 2023. A total on effort (transects only) survey length of 240.7 km was completed, 222.8 km at Beau fort Sea State 2 or better (Table 6.3). Twenty-two (22) on-effort finless porpoise sighting and three (3) opportunistic finless porpoise sighting were recorded and confirmed by qualified ecologist (Table 6.4, Figure 6.4).

| Date | Area* | Beaufort | Effort (km) | Season | Vessel | Effort Type** | |
|--------------------|---------|----------|-------------|---------|--------------|------------------|--|
| 11 Ionuomy | SEL | 1 | 11.0 | | SEAMAD | Р | |
| 11 January 2023 | | 2 | 17.7 | WINTER | SEAMAR HK | | |
| 2023 | | 3 | 11.0 | | | | |
| 17 January | | 1 | 20.8 | | SEAMAR | | |
| 17 January 2023 | SEL | 2 | 19.4 | WINTER | SEAMAR HK | Р | |
| 2025 | | 3 | 0.1 | | ПК | | |
| 10 February | SEL | 0 | 2 | WINITED | SEAMAR | Р | |
| 2023 | | 1 | 38 | WINTER | HK | Г | |
| 17 5 1 | SEL | 1 | 18.8 | WINTER | SEAMAR | | |
| 17 February | | 2 | 20.9 | | | Р | |
| 2023 | | 3 | 0.8 | | HK | | |
| | SEL | 1 | 7.9 | | | | |
| 17 March | | 2 | 26 | CDDING | SEAMAR | D | |
| 2023 | | 3 | 5.2 | SPRING | HK | Р | |
| | | 4 | 0.8 | | | | |
| 23 March | rch CEI | 1 | 16.7 | CDDING | SEAMAR | Р | |
| 2023 | SEL | 2 | 23.6 | SPRING | HK | ľ | |

*

As shown in **Figure. 6.1** P (from AFCD) denotes the ON EFFORT survey on the transect line, not the adjoining passages **

| Table 6.4 Summary of Sightings Recorded during January 2023 to March 2023 of | |
|--|--|
| Vessel-based Line-transect Survey Effort | |

| Date | Species | Sighting No. | Time | Group Size | PSD | Behaviour | Lat. | Long. | Area | Effort | Season |
|----------------|---------------------|-----------------|-------|---------------|-----|-------------------|----------|----------|------|--------|--------|
| 11 Jan 2023 | Finless Porpoise | 132 | 12:48 | 2 | 60 | Travelling | 22.18372 | 113.9546 | SEL | On | WINTER |
| 11 Jan 2023 | Finless Porpoise | 133 | 13:03 | 4 | 13 | Feeding | 22.16995 | 113.9449 | SEL | On | WINTER |
| 17 Jan 2023 | Finless Porpoise | 134 | 11:59 | 3 | 51 | Feeding | 22.21728 | 113.9733 | SEL | On | WINTER |
| 10 Feb 2023 | Finless Porpoise | 135 | 10:53 | 4 | 247 | Travelling | 22.17284 | 113.9441 | SEL | On | WINTER |
| 10 Feb 2023 | Finless Porpoise | 136 | 10:59 | 5 | 109 | Travelling | 22.16839 | 113.9442 | SEL | On | WINTER |
| 10 Feb 2023 | Finless Porpoise | 137 | 11:43 | 8 | 27 | Travelling | 22.19672 | 113.9641 | SEL | On | WINTER |
| 10 Feb 2023 | Finless Porpoise | 138 | 12:21 | 2 | 13 | Travelling | 22.21071 | 113.9738 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 139 | 10:29 | 1 | 250 | Surface Active | 22.19913 | 114.0126 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 140 | 10:58 | 1 | 74 | Unknow | 22.17979 | 114.0026 | SEL | On | WINTER |

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 19th Quarterly EM&A Report

Keppel Seghers - Zhen Hua Joint Venture

| Date | Species | Sighting No. | Time | Group Size | PSD | Behaviour | Lat. | Long. | Area | Effort | Season |
|----------------|---------------------|-----------------|-------|---------------|-----|-----------------------|----------|----------|------|--------|--------|
| 17 Feb 2023 | Finless Porpoise | 141 | 11:11 | 2 | 165 | Unknow | 22.17046 | 113.9932 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 142 | 11:51 | 2 | 58 | Travelling | 22.17926 | 113.9835 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 143 | 12:13 | 2 | 62 | Travelling | 22.19617 | 113.9736 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 144 | 12:40 | 1 | 252 | Other | 22.19199 | 113.9643 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 145 | 12:42 | 1 | 166 | Other | 22.188 | 113.9641 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 146 | 12:50 | 1 | 5 | Unknow | 22.16879 | 113.9641 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 147 | 12:57 | 2 | 103 | Feeding | 22.17219 | 113.9541 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 148 | 13:02 | 3 | 0 | Unknow | 22.18359 | 113.9542 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 149 | 13:35 | 2 | 69 | Unknow | 22.18309 | 113.9443 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 150 | 13:37 | 1 | 0 | Unknow | 22.17848 | 113.9443 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 151 | 13:41 | 1 | 94 | Unknow | 22.16828 | 113.9451 | SEL | On | WINTER |
| 17 Feb 2023 | Finless Porpoise | 152 | 13:43 | 2 | N/A | Unknow | 22.16583 | 113.9466 | SEL | Opp | WINTER |
| 17 Feb 2023 | Finless Porpoise | 153 | 13:50 | 4 | N/A | Multiple Behaviour | 22.17307 | 113.9527 | SEL | Opp | WINTER |
| 17 Feb 2023 | Finless Porpoise | 154 | 14:14 | 4 | N/A | Travelling | 22.19598 | 113.9748 | SEL | Opp | WINTER |
| 17 Mar 2023 | Finless Porpoise | 155 | 11:52 | 2 | 58 | Travelling | 22.17284 | 113.9441 | SEL | On | SPRING |
| 23 Mar 2023 | Finless Porpoise | 156 | 13:57 | 3 | 17 | Travelling | 22.16839 | 113.9442 | SEL | On | SPRING |

Contract No. EP/SP/66/12 Integrated Waste Management Facilities, Phase 1 19th Quarterly EM&A Report

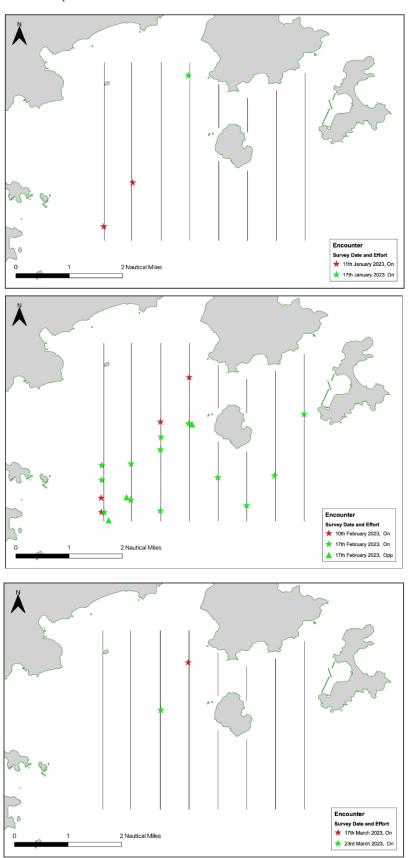


Figure 6.4 Location of sightings recorded during January to March 2023 Vesselbased Line-transect Survey

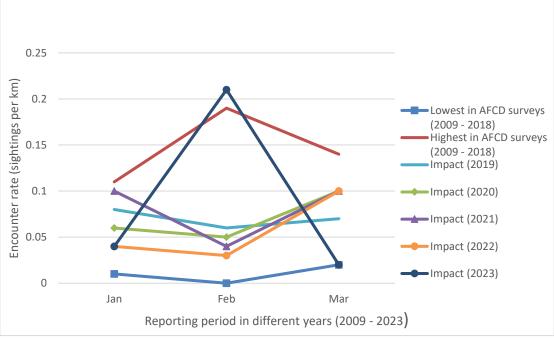


Figure 6.5 Plot of encounter rate during January to March in 2009 – 2023 from different surveys

- 6.3.1.2 A review of the long term AFCD marine mammal monitoring programme, the EIA and the pre-construction baseline monitoring report for this project was conducted. Both the EIA and the pre-construction baseline monitoring were conducted during the peak porpoise months December 2008 to May 2009 and February to April 2018, respectively. The AFCD long term monitoring data and impact monitoring in January, February and March 2019, 2020, 2021 and 2022 should be compared directly to Impact Survey results of the reporting periods.
- 6.3.1.3 A review of the Beaufort Sea state survey conditions between 2009 and 2018 (only data available from AFCD at time of writing; (AFCD 2018; 2017; 2016; 2015; 2014; 2013; 2012; 2011; 2010)) show that the survey condition in January, February and March 2023 were better than the average of previous AFCD long-term monitoring surveys.
- 6.3.1.4 A review of all the porpoise sightings in the survey area for January to March between 2009 and 2018 indicate that there are fluctuations between the number of sightings usually recorded. Given the similar survey conditions and the encounter rate recorded for porpoise in the project area during the reporting period, the encounter rate for January to March 2023 were between 0.02 sighting km⁻¹ and 0.21 sighting km⁻¹. For January 2023, the encounter rate of 0.04 sightings km⁻¹ (1.5 sightings 40 km⁻¹) is more than double that recorded for the EIA but lower than the average rate recorded for AFCD monitoring prior to project commencement. The February 2023 encounter rate of 8.4 sightings per 40km is the highest ever recorded. The March 2023 encounter rate of 1.0 sightings per 40km is below the average recorded for this month by the AFCD Long term monitoring programme.
- 6.3.1.5 Data and records of the implemented mitigation measures, including construction vessel routing and speed control, marine mammal watching plan and avoidance of noisy work during the peak season, are collected from the Contractor and now under detail review. As surveys continue for this project, data shall be constantly re-evaluated across survey months to discern trends and impacts, if any.

- 6.3.1.6 Photo records of the line-transect survey during the reporting period are presented in **Appendix G**.
- 6.3.2 PAM and Land-based Theodolite Tracking
- 6.3.2.1 30 days of PAM surveys were started at 1 May 2019 and completed until the end of May 2019. Multiple PAM systems were deployed at three sites. The PAM system located at the IWMF was lost, however, an alternative data set has been identified. The PAM systems at the two control sites Tai A Chau and Pui O were recovered on 3 August 2019. A summary of marine mammal detections shows that porpoise were recorded every day of deployment at each site, but at varying frequencies. The detailed theodolite result was presented in 17th Monthly EM&A report (November 2019) while detailed PAM result was presented in 18th Monthly EM&A report (December 2019).
- For the baseline study, the DPM for each site was 11,160 (Shek Kwu Chau), 16,089 6.3.2.2 (Tai A Chau) and 3645 (Pui O Wan), totalling 30,894 DPM across all three sites, compared to DPMs of 4740 (Shek Kwu Chau), 7725 (Tai A Chau) and 23,986 (Pui O Wan), totalling 36,451 DPM, for the impact phase study. As the impact phase study was longer than the baseline study, it is not appropriate to directly compare total counts of DPM, however, the DPM rate (the average number of detections per day) for each site can be more directly compared. During the baseline study, Shek Kwu Chau averaged 338.2 DPM per day compared to 124.8 DPM per day, during the impact phase study. This showed a decrease in the daily average of porpoise detection at Shek Kwu Chau. During the baseline study, Tai A Chau averaged 487.6 DPM per day compared to 179.7 DPM per day, during the impact phase study. This showed a decrease in the daily average of porpoise detection at Tai A Chau. During the baseline study, Pui O Wan averaged 98.5 DPM per day compared to 557.8 DPM per day, during the impact phase study. This showed a significant increase in the daily average of porpoise detections at Pui O Wan (Table 6.6).
- 6.3.2.3 Overall, the PAM study showed that porpoise continue to consistently utilise the Shek Kwu Chau habitat immediately adjacent to the IWMF construction activities, although to a lesser degree than that prior to construction activities. In addition, the Pui O Wan site, which is 2.5 km away from the IWMF construction area, was also consistently utilised during the impact phase PAM study. A continued assessment of fine scale habitat use, particularly through PAM which yields large quantities of data, would allow a more comprehensive assessment of the EIA predictions.

| | | | Baseline data | | | | | | |
|---------------|---------------------|------------|---------------|-------|------------------|--------------|-------------|----------------------------|-------------|
| Site | Unit ID | Start | End | Days | DPD % Days | Total DPM | DPM /Day | % False Positive DPM | Time Lost % |
| Shek Kwu Chau | 2891 | 2018/02/09 | 2018/03/13 | 32.11 | 100 | 11160 | 338.2 | 0.0 | 1.00 |
| Tai A Chau | 2868 | 2018/02/09 | 2018/03/13 | 32.5 | 100 | 16089 | 487.6 | 1.0 | 2.00 |
| Pui O Wan | 2891 | 2018/03/13 | 2018/04/17 | 34.85 | 97.3 | 3645 | 98.5 | 2.0 | 31.87 |
| Total | | | | 99.01 | | 30894 | 312.0 | | |
| | | | Impact Phase | | | | | | |
| Site | Unit ID | Start | End | Days | DPD % Days | Total DPM | DPM /Day | % False Positive DPM | Time Lost % |
| Shek Kwu Chau | IWMF_BU_20190305_01 | 2019/03/05 | 2019/04/11 | 37.91 | 100 | 4740 | 124.8 | 0.0 | 0 |
| Tai A Chau | IWMF_20190411_02 | 2019/04/11 | 2019/05/23 | 41.94 | 100 | 7725 | 179.7 | 0.0 | 0 |
| Pui O Wan | IWMF_20190411_01 | 2019/04/11 | 2019/05/23 | 42.02 | 100 | 23986 | 557.8 | 0.0 | 0 |
| Total | | | | 121.9 | | 36451 | 299.1 | | |

Table 6.6 Summary Statistic Comparison of Baseline (2018) and Impact Phase (2019) Passive Acoustic Monitoring

- 6.3.2.4 Theodolite surveys were completed in May 2019. In total, 34 days of theodolite tracking were completed between February May 2019, comprising 167 hours and 49 minutes of observation. No Chinese white dolphin was observed and only one finless was recorded. The finless porpoise encounter rate was calculated as 0.006 finless porpoise per hour, in all weather conditions.
- 6.3.2.5 A total of 2620 vessels of ten different types were observed and tracked within or in the proximity of the IWMF construction site. These comprised fishing boats (236), speed boats (29), container boats (155), government boats (22), high speed ferries (53), others (13) and IWMF-Related construction platforms (974), tug boats(240), transportation boats (363), construction boats (531) and approximately 8 buoys were present marking the site boundary. The detailed Land-based Theodolite Tracking Report was presented in 5th Quarterly EM&A report and 17th Monthly EM&A report.
- 6.3.2.6 The baseline theodolite tracking was conducted immediately prior to and during the site preparation activities of the site. The baseline data records a decrease in porpoise sightings as site preparation activities commenced and notes that the decrease was most likely due to the onset of site preparation activities. The impact theodolite tracking conducted for this study records a marked increase in the number of Project related vessels and platforms and, in agreement with baseline conclusions, shows a concomitant decrease in finless porpoise sightings.

7. WHITE-BELLIED SEA EAGLE

7.1 WBSE Monitoring Parameters

- 7.1.1 The objective of the construction phase monitoring should be to verify the utilisation of the area by WBSE, their responses to construction disturbance, as well as the effectiveness of the proposed mitigation measures. Throughout the construction phase, field surveys should be conducted twice per month during their core breeding season (from December to May), and once per month outside their core breeding season (from June to November). The monitoring frequency should be increased to weekly during the incubation period of each year. In order to confirm their foraging ground near the construction site, it is necessary to conduct daily monitoring during the first week of nestling period in each year.
- 7.1.2 Since the location of the WBSE nest was located at the southwest of SKC within the hillside shrubland, it is impossible to observe the eggs during incubation period. Therefore, monitoring with increased frequency during incubation period could not be carried out. Daily monitoring will be carried out once any chick is recorded during the monitoring day.
- 7.2 Results and Observations
- 7.2.1 Three monitoring surveys for monthly construction phase were conducted during the reporting period, all three monitoring surveys were conducted outside their core breeding season (between June to November). Since there is no landing point along the western part of SKC, boat survey was used for the monitoring survey. In order to increase the chance of finding the WBSEs, monitoring survey was carried out either early in the morning or later in the afternoon. The weather conditions of monitoring survey were shown in **Table 7.1**.

| Date | Condition | Temperature (°C) |
|------------------|---|------------------|
| 5 January 2023 | Northeast wind force 4 to 5Sunny Day | 18 |
| 12 January 2023 | Northeast wind force 4 to 5Sunny Day | 21 |
| 19 January 2023 | North wind force 4 to 5Sunny Day | 17 |
| 26 January 2023 | East wind force 3 to 4Sunny Day | 18 |
| 02 February 2023 | North wind force 4 to 5Sunny Day | 21 |
| 09 February 2023 | North wind force 5Sunny Day | 20 |
| 16 February 2023 | Northeast wind force 4 to 5Sunny Day | 19 |
| 23 February 2023 | Northeast wind force 5 to 6Sunny Day | 22 |
| 15 March 2023 | North wind force 4 to 5Sunny Day | 24 |
| 28 March 2023 | Northeast wind force 3 to 4 Mainly cloudy with one or two rain patches | 26 |

 Table 7.1 Weather Conditions during the WBSE Monitoring (Monthly)

- 7.2.2 Two adult WBSEs were recorded near Shek Kwu Chau area in January, February and March 2023. One chick was recorded during the monitoring event on 28 March 2023. No abnormal behaviours of the adults and chick were recorded during January, February and March 2023 construction phase monitoring. All marine works during the monitoring period did not show any impact to the WBSE.
- 7.2.3 Incubation activity was recorded during the monitoring on 29 December 2022. Weekly monitoring was conducted in January and February 2023. As the incubation was stopped on 23 February 2023 and no chick was recorded, a twice per month construction phase monitoring was continued in March 2023.
- 7.2.4 However, one chick was recorded during the monitoring event on 28 March 2023, a 7day consecutive monitoring was carried out starting from 29 March 2023 to monitor their behaviour of the WBSE and their responses to construction disturbance. The result of 7-day consecutive monitoring will be documented in 58th Monthly EM&A report and 20th Quarterly EM&A report.
- 7.2.5 The juvenile recorded in 2022 has not been observed since monitoring event in September 2022, it is suggested that the juvenile left the nest at SKC and nesting in other area outside our monitoring boundary.
- 7.2.6 No disturbances from anthropogenic activities on the island were recorded during the monitoring survey. No invasion of other fauna species was recorded as well.



Figure 7.1 Location of WBSE Nest on SKC

- 7.2.7 No invasion of other fauna species was recorded and no sign of using the construction site as a foraging ground was recorded as well.
- 7.2.8 Photo records of the WBSE taken during the reporting period are presented in **Appendix H**.

8. SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

- 8.1 No exceedance of the Action and Limit Levels of the regular construction noise, coral and WBSE monitoring was recorded during the reporting period.
- 8.2 During the general water quality monitoring period for January to March 2023, sixteen (16) of the general water quality monitoring results of SS had exceeded Action Level during the reporting period, while sixteen (16) exceedances of the Limit Level of SS were also recorded. Investigations were carried out immediately for each of the exceedance cases during the reporting period.
- 8.3 No notification of summons and prosecution was received in the reporting period.
- 8.4 Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Appendix I**.

9. EM&A SITE INSPECTION

- 9.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. Site inspections were carried out at the Site Portions 1, 1A, 1B during the reporting period. Portions 1, 1A & 1B were the sites near SKC within the Site boundary.
- 9.2 Joint site inspection with IEC was carried out on a monthly basis.
- 9.3 Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized below:
 - Prevention actions for oil/chemical spillage were not carried out properly;
 - Chemical was not stored properly at designated storage place;
 - Chemical waste was not stored in chemical waste cabinet;
 - Non-road Mobile Machinery (NRMM) label was not displayed properly and faded NRMM label should be replaced;
 - Insufficient dust suppression measure implemented at main haul road;
 - Wastewater was not treated before discharge; and
 - General waste was not stored inside the enclosed rubbish bin
- 9.4 The Contractor had rectified all of the observations identified during environmental site inspections in the reporting period.
- 9.5 According to the EIA Study Report, Environmental Permit, contract documents and Updated EM&A Manual, the mitigation measures detailed in the documents, except the silt curtain system, are implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix B**.

10. CONCLUSION AND RECOMMENDATIONS

- 10.1 This 19th Quarterly Environmental Monitoring and Audit (EM&A) Report summarizes the EM&A works undertaken during the period from 1 January 2023 to 31 March 2023 in accordance with the Updated EM&A Manual and the requirement under EP-429/2012/A and FEP-01/429/2012/A.
- 10.2 Construction noise, water quality, construction waste, coral, marine mammal and White-Bellied Sea Eagle (WBSE) monitoring were carried out in the reporting period. No project-related exceedance of the Action and Limit Levels was recorded during the reporting period.
- 10.3 Weekly environmental site inspections were conducted during the reporting period. Environmental deficiencies were observed during site inspection and were rectified.
- 10.4 According to the environmental site inspections performed in the reporting period, the Contractor was reminded to pay attention on on-site housekeeping, the proper storage of the chemicals, chemical waste and construction waste, dust control measure at main haul road, proper NRMM labelling and proper wastewater handling.
- 10.5 EPD had no comment on the updated EM&A arrangement regarding the temporary suspension of water quality and line-transect monitoring on 29 March 2023. The water quality and line-transect monitoring were then temporarily suspended from 30 March 2023 onward. The water quality monitoring and line-transection monitoring will be resumed upon the resumption of marine construction works.
- 10.6 No notification of summons or prosecution was received since commencement of the Contract.
- 10.7 The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Appendix A Master Programme

| 01-1010Date of Commence01-1015(3)(M12)Original Substantial01-1020Extended SubstantialExtension of Time GrantedExtension of time granted01-1015-1(3)(M12)Extension of time granted01-1030Commencement of01-1030Issue Certificate of thePlanned Completion DatesOrid Connection Ag01-1030(5a)Grid Connection Ag01-1050Export Power to Grid01-1050Issuance of FS Cert01-1060Issuance of FS Cert01-1080Commencement of01-1090Completion of Civil01-1010Physical Completion01-1030Physical Completion01-1030Physical Completion01-1030Physical Completion01-1030Physical Completion01-1030Physical Completion01-1030Planned Substantial | e of Acceptance of Tender ment of the Design and the Works I Completion of the Works al Completion of The Works al Completion of The Works ranted (*Claim No.9 excluded) Operation Completion of the Works (56 days after Substantial Completion) reem ent (GCA) regization to IWMF Substation Id tificate Provision for Transmission C 1.3.4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test Works al Completion of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1 ion 1 ion 1 ion 1 ion 1 ion 3 ion 4 ion 5 ion 6 ion 7 | Original Duration 3054 3054 2844 2788 200 0 0 0 348 348 348 0 348 0 348 0 348 0 348 0 348 0 </th <th>1130 1031 404 348 0 0 0 348 348 348 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>22-Nov-17 A 22-Nov-17 A 22-Nov-17 A 22-Nov-17 A 100% 22-Nov-17 A 100% 15-Dec-17 A 0% 27-Jul-24 0% 27-Jul-24 11-Jul-25 30-Sep-23 0% 30-Sep-23 0% 11-Jul-25 0% 12-Apr-25 0% 100% 100% 15-Dec-17 A</th> <th>V 27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25* 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 02-Apr-26 31-Oct-24* 12-Jan-25 02-Sep-23* 28-Apr-25 02-Apr-26* 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A</th> <th>27-Jul-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 11-Jul-25 30 30-Sep-23 06 10-30-25 30 11-Jul-25 30 30-Sep-23 06 11-Jul-25 30 11-Jul-25 30</th> <th>16-Jan-26 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 14-Sep-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 9-Jun-25 9-Jun-25 0-Jul-25 9-Jun-25 0-Jul-25</th> <th>86 86 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>Feb 63</th> <th></th> <th></th> <th></th> <th></th> <th></th> | 1130 1031 404 348 0 0 0 348 348 348 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 22-Nov-17 A 22-Nov-17 A 22-Nov-17 A 22-Nov-17 A 100% 22-Nov-17 A 100% 15-Dec-17 A 0% 27-Jul-24 0% 27-Jul-24 11-Jul-25 30-Sep-23 0% 30-Sep-23 0% 11-Jul-25 0% 12-Apr-25 0% 100% 100% 15-Dec-17 A | V 27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25* 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 02-Apr-26 31-Oct-24* 12-Jan-25 02-Sep-23* 28-Apr-25 02-Apr-26* 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 27-Jul-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 11-Jul-25 30 30-Sep-23 06 10-30-25 30 11-Jul-25 30 30-Sep-23 06 11-Jul-25 30 | 16-Jan-26 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 14-Sep-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 9-Jun-25 9-Jun-25 0-Jul-25 9-Jun-25 0-Jul-25 | 86 86 0 0 0 0 0 0 0 0 0 0 0 0 0 | Feb 63 | | | | | |
|--|--|--|--|--|---|---|--|---|--|-----------|---|----------------------------|-----------------------------|--------------------|
| ey Dates contractual Key Dates Design and Construction Phase 01-1000 Contract Award/Date 01-1010 Date of Commencer 01-1010 Date of Commencer 01-1010 Extended Substantial 01-1020 Extended Substantial 01-1020 Extension of time Granted 01-1015-1(3)(M12) Extension of time gr Operation Phase Other Completion Dates 01-1030 Commencement of 01-1030 Grid Connection Ag 01-1030 Grid Connection Ag 01-1030 Export Power to Grid 01-1050 Export Power to Grid 01-1050 Export Power to Grid 01-1050 Completion of Civil 01-1060 Issuance of FS Cerl 01-1070 Completion of Civil 01-1080 Commencement of 01-11090 Completion of Civil 01-1100 Physical Completion 01-1110 Possession of Porti 01-1110 Possession of Porti 01-1110 Possession of Porti | e of Acceptance of Tender ment of the Design and the Works I Completion of the Works al Completion of The Works al Completion of The Works ranted (*Claim No.9 excluded) Operation Completion of the Works (56 days after Substantial Completion) reem ent (GCA) regization to IWMF Substation Id tificate Provision for Transmission C 1.3.4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test Works al Completion of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1 ion 1 ion 1 ion 1 ion 1 ion 3 ion 4 ion 5 ion 6 ion 7 | 3054 2844 2788 0 0 0 0 348 348 56 0 915 0 </th <th>1031 404 348 0 0 0 0 348 348 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>22-Nov-17 A 22-Nov-17 A 22-Nov-17 A 100% 22-Nov-17 A 100% 22-Nov-17 A 10% 15-Dec-17 A 0% 27-Jul-24 11-Jul-25 0% 27-Jul-24 11-Jul-25 0% 30-Sep-23 0% 0% 11-Jul-25 0% 30-Sep-23 0% 12-Apr-25 0% 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 100% 15-Dec-17 A 100% 100% 100% 100% 100% 100%</th> <th>02-Apr-26 04-Sep-25 10-Jul-25 10-Jul-25* 10-Jul-25* 10-Jul-25* 10-Jul-25 10-Jul-25 10-Jul-25 10-Jul-25 04-Sep-25* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-25 02-Sep-25 04-Sep-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A</th> <th>23-Dec-22 04 23-Dec-22 10 23-Dec-22 10 23-Dec-22 10 23-Dec-22 10 23-Dec-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 16-Jan-25 11 16-Jan-25 11 23-Dec-22 11 23-Dec-23 06 30-Sep-23 06 30-Sep-23 06 30-Sep-23 06 30-Sep-24 10 30-Sep-25 11 30-Sep-24 10 30-Sep-25 11 30-Sep-24 10 30-Sep-25 11 30-Sep-26 11 30-Sep-27 11 30-Sep-28 11 30-Sep-29 11 30-Sep-29 11 30-Sep-20 11 30-Sep-21 11 30-Sep-22 11 30-Sep-30 11</th> <th>6-Jan-26 14-Sep-25 0-Jul-25 0-Oct-23 00-Oct-24 11-Oct-24 5-Jan-25 9-Jun-25 0-Jul-25 0-Jul-25 9-Jun-25 0-Jul-25 1-Jul-25 3-Dec-22 3-Dec-22</th> <th>-86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | 1031 404 348 0 0 0 0 348 348 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 22-Nov-17 A 22-Nov-17 A 22-Nov-17 A 100% 22-Nov-17 A 100% 22-Nov-17 A 10% 15-Dec-17 A 0% 27-Jul-24 11-Jul-25 0% 27-Jul-24 11-Jul-25 0% 30-Sep-23 0% 0% 11-Jul-25 0% 30-Sep-23 0% 12-Apr-25 0% 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 100% 15-Dec-17 A 100% 100% 100% 100% 100% 100% | 02-Apr-26 04-Sep-25 10-Jul-25 10-Jul-25* 10-Jul-25* 10-Jul-25* 10-Jul-25 10-Jul-25 10-Jul-25 10-Jul-25 04-Sep-25* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-25 02-Sep-25 04-Sep-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 23-Dec-22 04 23-Dec-22 10 23-Dec-22 10 23-Dec-22 10 23-Dec-22 10 23-Dec-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 16-Jan-25 11 16-Jan-25 11 23-Dec-22 11 23-Dec-23 06 30-Sep-23 06 30-Sep-23 06 30-Sep-23 06 30-Sep-24 10 30-Sep-25 11 30-Sep-24 10 30-Sep-25 11 30-Sep-24 10 30-Sep-25 11 30-Sep-26 11 30-Sep-27 11 30-Sep-28 11 30-Sep-29 11 30-Sep-29 11 30-Sep-20 11 30-Sep-21 11 30-Sep-22 11 30-Sep-30 11 | 6-Jan-26 14-Sep-25 0-Jul-25 0-Oct-23 00-Oct-24 11-Oct-24 5-Jan-25 9-Jun-25 0-Jul-25 0-Jul-25 9-Jun-25 0-Jul-25 1-Jul-25 3-Dec-22 3-Dec-22 | -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| Ontractual Key Dates Design and Construction Phase 01-1000 Contract Award/Date 01-1010 Date of Commence 01-1015(3)(M12) Original Substantial 01-1020 Extended Substantial 01-1020 Extended Substantial 01-1020 Extended Substantial 01-1020 Extended Substantial 01-1020 Extension of time granted 01-1030 Commencement of 01-1230 Issue Certificate of the anned Completion Dates 11-1030(5a) Grid Connection Ag 11-1030(5a) Grid Connection Ag 11-1040 Incoming Power En 11-1050 Export Power to Grid 11-1060 Issuance of FS Certint 11-1070 Completion of Civil 11-1080 Completion of Civil 11-1090 Completion of Civil 11-1100 Physical Completion 11-1101 Possession of Porti 11-1102 Possession of Porti 11-1103 Possession of Porti 11-1110 Possession of Porti | ment of the Design and the Works I I Completion of the Works I al Completion of the Works I al Completion of the Works I ranted (*Claim No.9 excluded) I Operation I Completion of the Works (56 days after Substantial Completion) I reem ent (GCA) I regration to IWMF Substation I It difficate I Provision for Transmission I C1.3.4.11 System Commissioning Test I .4.11 System Commission Test I on of 90 Days Plant Commissioning Test Works I I Completion of the Works I Days for Installation, T&C of CCTV System and Onshore Power System at Portio I ion 1 I ion 18 I ion 2 I ion 3 I ion 4 I ion 5 I ion 6 I | 2844 2788 0 0 0 0 348 348 348 56 0 915 0 915 0< | 404 348 0 0 0 348 348 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 22-Nov-17 A 22-Nov-17 A 100% 22-Nov-17 A 100% 22-Nov-17 A 100% 15-Dec-17 A 0% 27-Jul-24 0% 27-Jul-24 11-Jul-25 30-Sep-23 0% 30-Sep-23 0% 30-Sep-23 0% 11-Jul-25 0% 12-Apr-25 0% 12-Apr-35 0% 12-Apr-35 0% 12-Apr-35 0% 12-Apr-35 0% 12-Apr-35 0% 14-Apr-35 0% 14-Apr-35 | 04-Sep-25 10-Jul-25 27-Jul-24* 10-Jul-25* 10-Jul-25 04-Sep-25 04-Sep-25* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-25 04-Sep-25 04-Sep-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 23-Dec-22 14 23-Dec-22 10 23-Dec-22 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 00 30-Sep-23 00 11-Jul-25 11 11-Jul-25 04 30-Sep-23 00 11-Jul-25 04 11-Jul-25 04 30-Sep-23 00 16-Jan-25 01 16-Jan-25 01 23-Dec-22 11 16-Jan-25 02 17 04 18 04 19 04 10 10 11-Jul-25 11 11-Jul-25 11 11-Jul-25 11 11-Jul-25 11 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 | 4-Sep-25 0-Jul-25 17-Jul-24 0-Jul-25 0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 14-Sep-25 14-Sep-25 14-Sep-25 14-Sep-25 10-Oct-23 10-Oct-24 10-Oct-24 10-Oct-24 11-Oct-24 5-Jan-25 0-Jul-25 9-Jun-25 0-Jul-25 1-Jul-25 13-Dec-22 13-Dec-22 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| Design and Construction Phase01-1000Contract Award/Date01-1010Date of Commences01-1015(3)(M12)Original Substantial01-1020Extended Substantial01-1020Extended Substantial01-1015-1(3)(M12)Extension of time grOperation PhaseOriginal Substantial01-1030Commencement of01-1230Issue Certificate of01-1030Grid Connection Ag01-1030Grid Connection Ag01-1030Completion Dates01-1030Grid Connection Ag01-1030Issuance of FS Certion01-1040Incoming Power En01-1050Export Power to Grid01-1070Completion of Civil01-1080Commencement of01-1090Completion of C1.3.01-1100Physical Completion01-1103Possession of Porti01-1100Possession of Porti01-1120Possession of Porti01-1130Possession of Porti01-1140Possession of Porti01-1150Possession of Porti01-1120Possession of Porti01-1210Possession of Porti01-1210Possession of Porti01-1210Possession of Porti01-1 | ment of the Design and the Works I I Completion of the Works I al Completion of the Works I al Completion of the Works I ranted (*Claim No.9 excluded) I Operation I Completion of the Works (56 days after Substantial Completion) I reem ent (GCA) I regration to IWMF Substation I It difficate I Provision for Transmission I C1.3.4.11 System Commissioning Test I .4.11 System Commission Test I on of 90 Days Plant Commissioning Test Works I I Completion of the Works I Days for Installation, T&C of CCTV System and Onshore Power System at Portio I ion 1 I ion 18 I ion 2 I ion 3 I ion 4 I ion 5 I ion 6 I | 2788 0 0 0 348 348 56 0 915 0 0 915 0 < | 348 0 0 348 348 56 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 22-Nov-17 A 100% 22-Nov-17 A 100% 15-Dec-17 A 0% 27-Jul-24 0% 27-Jul-24 11-Jul-25 30-Sep-23 0% 30-Sep-23 0% 27-Jul-24 11-Jul-25 30-Sep-23 0% 30-Sep-23 0% 11-Jul-25 0% 12-Sep-23 0% 12-Sep-25 0% 12-Sep-25 0% 12-Sep-25 0% 12-Sep-25 0% 12-Sep-25 0% 12-Sep-25 0% 13-Sep-25 100% 13-Sep-25 100% 13-Sep-25 10% 13-Sep-25 | 10-Jul-25 27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 10-Jul-25 04-Sep-25* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 30-Sep-23* 0 28-Apr-25 04-Oct-25 02-Apr-26* 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 23-Dec-22 10 23-Dec-22 27 23-Dec-22 10 27-Jul-24 10 27-Jul-25 04 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 11-Jul-25 04 11-Jul-25 11 11-Jul-25 11 11-Jul-25 11 11-Jul-25 11 11-Jul-25 11 11-Jul-25 11 <td>0-Jul-25 0 17-Jul-24 0 0-Jul-25 0 0-Jul-25 1 14-Sep-25 1 14-Sep-25 1 10-Oct-23 1 10-Oct-24 1 11-Oct-24 5 9-Jun-25 1 11-Feb-25 9 9-Jun-25 1 11-Feb-25 1 9-Jun-25 1 11-Feb-25 1 9-Jun-25 1 10-Sep-23 1 11-Sep-25 1 11-Jul-25 1 11-Jul-25 1 11-Jul-25 1 11-Sep-25 1 11-Jul-25 1 12-Jul-25 1 13-Dec-22 1 13-Dec-22 1</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 0-Jul-25 0 17-Jul-24 0 0-Jul-25 0 0-Jul-25 1 14-Sep-25 1 14-Sep-25 1 10-Oct-23 1 10-Oct-24 1 11-Oct-24 5 9-Jun-25 1 11-Feb-25 9 9-Jun-25 1 11-Feb-25 1 9-Jun-25 1 11-Feb-25 1 9-Jun-25 1 10-Sep-23 1 11-Sep-25 1 11-Jul-25 1 11-Jul-25 1 11-Jul-25 1 11-Sep-25 1 11-Jul-25 1 12-Jul-25 1 13-Dec-22 1 13-Dec-22 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| 01-1010 Date of Commence 01-1015(3)(M12) Original Substantial 01-1020 Extended Substantial Extension of Time Granted Extension of time granted 01-1015-1(3)(M12) Issue Certificate of the granted 01-1030 Commencement of 01-1230 Planned Completion Dates Origi Connection Agranted 01-1030(5a) Grid Connection Agranted 01-1040 Incoming Power Enrol 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of 180 D 01-1100 Physical Completion 01-1103 Possession of Porti 01-1100 Possession of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1180 <td< td=""><td>ment of the Design and the Works I I Completion of the Works I al Completion of the Works I al Completion of the Works I ranted (*Claim No.9 excluded) I Operation I Completion of the Works (56 days after Substantial Completion) I reem ent (GCA) I regration to IWMF Substation I It difficate I Provision for Transmission I C1.3.4.11 System Commissioning Test I .4.11 System Commission Test I on of 90 Days Plant Commissioning Test Works I I Completion of the Works I Days for Installation, T&C of CCTV System and Onshore Power System at Portio I ion 1 I ion 18 I ion 2 I ion 3 I ion 4 I ion 5 I ion 6 I</td><td>0 0 0 0 348 348 0 0 01 01 01 01 01 01 01 01 01 01 02 03 04 05 06 07 08 09 09 00</td><td>0 0 348 348 56 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>100% 15-Dec-17 A 0% 27-Jul-24 0% 27-Jul-24 11-Jul-25 30% 0% 30-Sep-23 0% 30-Sep-23 0% 30-Sep-23 0% 11-Jul-25 0% 10 0% 12-Apr-25 0% 12-Apr-35 0% 12-Apr-35 0% 15-Dec-17 A 100% 100% 100% 11-Jul-25</td><td>V 27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25* 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 02-Apr-26 31-Oct-24* 12-Jan-25 02-Sep-23* 2 28-Apr-25 02-Apr-26* 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A</td><td>23-Dec-22 27-Jul-24 10 27-Jul-24 11-Jul-25 30-Sep-23 30 30-Sep-23 30 11-Jul-25 30 30 30 30 30 30 30 30 30 30 31 32 31 31 32 32 33 34 35 36 36 37 38 39 30 30 30 30 31 32 32 33 34 34</td><td>0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22</td><td>0 0 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | ment of the Design and the Works I I Completion of the Works I al Completion of the Works I al Completion of the Works I ranted (*Claim No.9 excluded) I Operation I Completion of the Works (56 days after Substantial Completion) I reem ent (GCA) I regration to IWMF Substation I It difficate I Provision for Transmission I C1.3.4.11 System Commissioning Test I .4.11 System Commission Test I on of 90 Days Plant Commissioning Test Works I I Completion of the Works I Days for Installation, T&C of CCTV System and Onshore Power System at Portio I ion 1 I ion 18 I ion 2 I ion 3 I ion 4 I ion 5 I ion 6 I | 0 0 0 0 348 348 0 0 01 01 01 01 01 01 01 01 01 01 02 03 04 05 06 07 08 09 09 00 | 0 0 348 348 56 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 100% 15-Dec-17 A 0% 27-Jul-24 0% 27-Jul-24 11-Jul-25 30% 0% 30-Sep-23 0% 30-Sep-23 0% 30-Sep-23 0% 11-Jul-25 0% 10 0% 12-Apr-25 0% 12-Apr-35 0% 12-Apr-35 0% 15-Dec-17 A 100% 100% 100% 11-Jul-25 | V 27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25* 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 02-Apr-26 31-Oct-24* 12-Jan-25 02-Sep-23* 2 28-Apr-25 02-Apr-26* 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 23-Dec-22 27-Jul-24 10 27-Jul-24 11-Jul-25 30-Sep-23 30 30-Sep-23 30 11-Jul-25 30 30 30 30 30 30 30 30 30 30 31 32 31 31 32 32 33 34 35 36 36 37 38 39 30 30 30 30 31 32 32 33 34 34 | 0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | 0 0 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| 01-1015(3)(M12) Original Substantial 01-1020 Extended Substantial 01-1015-1(3)(M12) Extension of time gr 01-1015-1(3)(M12) Extension of time gr 01-1030 Commencement of 01-1230 Issue Certificate of Planned Completion Dates Original Substantial 01-1030(5a) Grid Connection Ag 01-1050 Export Power to Grid 01-1060 Issuance of FS Certificate of 01-1070 Completion of Civil 01-1080 Commencement of 01-1080 Commencement of 01-1090 Completion of Ci.3. 01-1100 Physical Completion 01-1100 Physical Completion 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1120 P | I Completion of the Works I al Completion of The Works I ranted (*Claim No.9 excluded) I Operation I Completion of the Works (56 days after Substantial Completion) I reem ent (GCA) I regization to IWMF Substation I Id I tificate I Provision for Transmission I C1.3.4.11 System Commissioning Test I .4.11 System Commissioning Test Works I al Completion of the Works I Days Plant Commissioning Test Works I al Completion of the Works I Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 I ion 3 I ion 4 I ion 5 I ion 6 I ion 7 I </td <td>0 348 348 348 0 915 0 915 0</td> <td>0 0 348 348 56 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0% 27-Jul-24 27-Jul-24 11-Jul-25 0% 30-Sep-23 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 12-Apr-25 0% 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 100% 100% 100% 100% 100% 100% 10%</td> <td>27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25 04-Sep-25* 04-Sep-25* 04-Sep-25* 04-Sep-25* 04-Sep-23* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 32-Sep-25 04-Oct-25 02-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A</td> <td>27-Jul-24 10 27-Jul-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 30 30 16-Jan-25 01 16-Jan-25 01 23-Dec-22 11 23-Dec-22 11 23-Dec-22 11 23-Dec-22 11</td> <td>0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22</td> <td>0 0 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 0 348 348 348 0 915 0 915 0 | 0 0 348 348 56 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0% 27-Jul-24 27-Jul-24 11-Jul-25 0% 30-Sep-23 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 12-Apr-25 0% 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 100% 100% 100% 100% 100% 100% 10% | 27-Jul-24* 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25 04-Sep-25* 04-Sep-25* 04-Sep-25* 04-Sep-25* 04-Sep-23* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 31-Oct-24* 32-Sep-25 04-Oct-25 02-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A | 27-Jul-24 10 27-Jul-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 30 30 16-Jan-25 01 16-Jan-25 01 23-Dec-22 11 23-Dec-22 11 23-Dec-22 11 23-Dec-22 11 | 0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | 0 0 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| 01-1020Extended SubstantialExtension of Time GrantedExtension of time granted01-1015-1(3)(M12)Extension of time granted01-1030Commencement of01-1230Issue Certificate of the granted01-1030(5a)Grid Connection Agranted01-1030(5a)Grid Connection Agranted01-1050Export Power to Grid01-1050Export Power to Grid01-1060Issuance of FS Certificate of the granted01-1070Completion of Civil01-1080Commencement of01-1090Completion of C1.3.01-1100Physical Completion01-1103Possession of Porti01-1104Possession of Porti01-1105Possession of Porti01-1100Possession of Porti01-11100Possession of Porti01-1120Possession of Porti01-1130Possession of Porti01-1140Possession of Porti01-1170Possession of Porti01-1180Possession of Porti01-1120Possession of Porti01-1210Possession of Porti01-1210Possession of Porti01-1210Possession of Porti01-1210-1(M55)Possession of Porti03-1080CNP for Pe | al Completion of The Works ranted (*Claim No.9 excluded) Operation Completion of the Works (56 days after Substantial Completion) reem ent (GCA) regization to IWMF Substation d tificate Provision for Transmission C1.3.4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test an of 90 Days Plant Commissioning Test Works al Completion of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1A ion 1B ion 2 ion 3 ion 4 ion 5 ion 6 ion 7 | 348 56 0 915 0 2765 | 0 348 348 56 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0% 27-Jul-24 27-Jul-24 11-Jul-25 0% 30-Sep-23 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 12-Apr-25 0% 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 100% 100% 100% 100% 100% 100% 100% | 10-Jul-25* 10-Jul-25 10-Jul-25 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 30-Sep-23* 2 28-Apr-26 13-Sep-25 04-Sep-25* 12-Jan-25 30-Sep-23* 2 13-Sep-25 04-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 27-Jul-24 10 27-Jul-24 10 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 11-Jul-25 30 11-Jul-25 04 30-Sep-23 06 11-Jul-25 30 11-Jul-25 04 30-Sep-23 06 11-Jul-25 30 11-Jul-25 10 11-Jul-25 11 11-Jul-25 07 11-Jul-25 11 11-Jul-25 07 11-Jul-25 07 <td>0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22</td> <td>0 0 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 0-Jul-25 0-Jul-25 0-Jul-25 14-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | 0 0 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| Extension of Time Granted 01-1015-1(3)(M12) Extension of time grants 01-1030 Commencement of 01-1030 Issue Certificate of a Planned Completion Dates Grid Connection Ag 01-1030(5a) Grid Connection Ag 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1060 Issuance of FS Certificate of Completion of Civil 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-11010 Physical Completion 01-1100 Physical Completion of 180 D Dates of Site Pocessions Completion of Porti 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1120 Possession of Porti 01-1140 Possession of Porti 01-1120 Possession of Porti 01-1120 | ranted (*Claim No.9 excluded) Operation Completion of the Works (56 days after Substantial Completion) reem ent (GCA) regization to IWMF Substation id tificate Provision for Transmission C1.3.4.11 System Commissioning Test 4.11 System Commissioning Test 4.11 System Commissioning Test Works al Completion of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1A ion 1B ion 2 ion 3 ion 4 ion 5 ion 6 ion 7 | 348 56 0 915 0 2765 | 348 348 348 56 0 0 915 0 0 0 | 27-Jul-24 0% 27-Jul-24 11-Jul-25 11-Jul-25 0% 30-Sep-23 0% 0 0% 0 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 100% 1 100% 1 0% 1 | 10-Jul-25 10-Jul-25 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Sep-25* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 27-Jul-24 10 27-Jul-24 10 11-Jul-25 04 11-Jul-25 04 30-Sep-23 06 16-Jan-25 07 16-Jan-25 07 23-Dec-22 11 23-Dec-22 11 23-Dec-22 12 23-Dec-22 12 23-Dec-22 12 30-Sep-23 25 30-Sep-34 25 | 0-Jul-25 0-Jul-25 0-Jul-25 4-Sep-25 4-Sep-25 6-Jan-26 0-Oct-23 6-Jan-26 0-Oct-24 1-Oct-24 5-Jan-25 6-Jan-26 10-Oct-24 9-Jan-25 0-Sep-23 6-Jan-26 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 3-Dec-22 | 0 0 0 0 0 -86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| 01-1015-1(3)(M12) Extension of time gr Operation Phase 01-1030 Commencement of 01-1230 Issue Certificate of 0 Planned Completion Dates 01-1030(5a) Grid Connection Ag 01-1030(5a) Grid Connection Ag 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completio 01-11010 Physical Completion of 180 D Dates of Site Pocessions Ompletion of Porti 01-1120 Possession of Porti 01-1140 Possession of Porti 01-1120 Possession of Porti 01-1140 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-1120 Possession of Porti 01-1120 Possession of Porti | Operation Completion of the Works (56 days after Substantial Completion) reement (GCA) regization to IW MF Substation id id tificate regization to IW MF Substation Provision for Transmission C1.3.4.11 System Commissioning Test .4.11 System Commissioning Test on of 90 Days Plant Commissioning Test Works al Completion of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1A ion 1B ion 2 ion 3 ion 4 ion 5 ion 6 ion 7 ion 7 | 348 56 0 915 0 2765 | 3348 56 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0% 27-Jul-24 11-Jul-25 11-Jul-25 0% 11-Jul-25 0% 30-Sep-23 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 100% 1 100% 1 0% 1 | 10-Jul-25 04-Sep-25 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Sep-25* 04-Sep-25 04-Sep-25 04-Sep-25 04-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 27-Jul-24 11 11-Jul-25 04 30-Sep-23 06 30-Sep-23 16 16-Jan-25 11 16-Jan-25 11 23-Dec-22 11 23-Sep-23 12 23-Sep-23 12 23-Sep-23 23 23-Sep-23 23 | 0-Jul-25 4-Sep-25 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 11-Oct-24 11-Feb-25 9-Jun-25 0-Jul-25 10-Jul-25 10-Jul-25 13-Dec-22 13-Dec-22 | 0 0 -86 0 0 0 3 3 -86 -86 -86 -86 -86 -86 | | | | | | |
| Operation Phase 01-1030 Commencement of 01-1230 Issue Certificate of 0 Planned Completion Dates 01-1030(5a) 01-1030(5a) Grid Connection Ag 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completio 01-11010 Physical Completio 01-11030(M15) Planned Substantia 01-11010 Possession of Porti 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1120 | Operation Completion of the Works (56 days after Substantial Completion) reement (GCA) regization to IW MF Substation id id tificate regization to IW MF Substation Provision for Transmission C1.3.4.11 System Commissioning Test .4.11 System Commissioning Test on of 90 Days Plant Commissioning Test Works al Completion of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1A ion 1B ion 2 ion 3 ion 4 ion 5 ion 6 ion 7 ion 7 | 56 0 915 0 | 0 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 | 11-Jul-25 0% 11-Jul-25 0% 30-Sep-23 0% 4 0% 4 0% 4 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 0% 1 100% 1 100% 1 100% 1 100% 1 | 04-Sep-25 04-Sep-25* 02-Apr-26 31-Oct-23* 31-Oct-24 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 13-Sep-25 04-Sep-25 13-Sep-26*//>Sep-26*///>Sep-26*///>Sep-26*///>Sep-26*///>Sep-26*///>Sep-26*///>Sep-26*///>Sep-26 | 11-Jul-25 04 11-Jul-25 04 30-Sep-23 06 30-Sep-23 06 1-Jul-25 30 1-Jul-25 30 1-Sep-23 30 1-Sep-23 30 1-Sep-23 31 1-Sep-23 31 1-Sep-23 31 1-Sep-33 31 1-Sep-34 31 1-Sep-35 31 1-Sep-35 31 1-Sep-35 31 1-Sep-36 31 1-Sep-37 31 1-Se | 4-Sep-25 6-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 5-Jan-25 10-Oct-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | 0 0 -86 0 0 0 3 3 -86 -86 -86 -86 -86 -86 | | | | | | |
| 01-1230 Issue Certificate of 0 Planned Completion Dates 01-1030(5a) Grid Connection Ag 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1100 Physical Completion 01-1100 Physical Completion 01-1100 Physical Completion 01-1100 Physical Completion of 180 D Dates of Site Pocessions Completion of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1200 Possession of Porti 01-1210 <td>Completion of the Works (56 days after Substantial Completion) Image: Completion of the Works (56 days after Substantial Completion) greement (GCA) Image: Completion of the Work Substation Image: Completion of the Work Substation id Image: Completion of the Work Substation Test Image: Completion of the Work Substation Test in of 90 Days Plant Commissioning Test Work Substation of 90 Days Plant Commissioning Test Work Substation of the Work Substation of Substation Sub</td> <td>0 915 0</td> <td>0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0% 30-Sep-23 0% 30-Sep-23 0% 30-Sep-23 0% 40-24 0% 40-24 0% 12-Apr-25 0% 12-Apr-25 0% 40-24 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 15-Dec-17 A 100% 15-Dec-17 A 100% 11-Jul-25</td> <td>02-Apr-26 31-Oct-23* 31-Oct-24* 31-Oct-24* 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A</td> <td>04 04 30-Sep-23 06 30-Sep-23 30 1 30 1 31 1 11 1 11 1 11 2 11 2 11 1 11 2 11 2 10 23-Dec-22 11 2 23 2 23</td> <td>16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 11-Oct-24 11-Oct-24 10-Oct-24 11-Oct-24 11-Feb-25 9-Jun-25 0-Jul-25 10-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22</td> <td>0 -86 0 0 3 3 -86 -86 -86 -86 -86</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Completion of the Works (56 days after Substantial Completion) Image: Completion of the Works (56 days after Substantial Completion) greement (GCA) Image: Completion of the Work Substation Image: Completion of the Work Substation id Image: Completion of the Work Substation Test Image: Completion of the Work Substation Test in of 90 Days Plant Commissioning Test Work Substation of 90 Days Plant Commissioning Test Work Substation of the Work Substation of Substation Sub | 0 915 0 | 0 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0% 30-Sep-23 0% 30-Sep-23 0% 30-Sep-23 0% 40-24 0% 40-24 0% 12-Apr-25 0% 12-Apr-25 0% 40-24 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 15-Dec-17 A 100% 15-Dec-17 A 100% 11-Jul-25 | 02-Apr-26 31-Oct-23* 31-Oct-24* 31-Oct-24* 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 04 04 30-Sep-23 06 30-Sep-23 30 1 30 1 31 1 11 1 11 1 11 2 11 2 11 1 11 2 11 2 10 23-Dec-22 11 2 23 2 23 | 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 11-Oct-24 11-Oct-24 10-Oct-24 11-Oct-24 11-Feb-25 9-Jun-25 0-Jul-25 10-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | 0 -86 0 0 3 3 -86 -86 -86 -86 -86 | | | | | | |
| Planned Completion Dates 01-1030(5a) Grid Connection Ag 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1103)(M15) Planned Substantia 01-1110.3)(M15) Planned Substantia 01-1110.3 Completion of 180 D Dates of Site Pocessions Completion of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1160 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti | greem ent (GCA) Intergization to IWMF Substation id Intergization to IWMF Substation Provision for Transmission Intergization (1.3.4.11 System Commissioning Test Intergization (2.4.11 System Commissioning Test Works Intergization (2.5.12) Intergization of the Works (2.5.12) Intergization (3.5.12) Intergization (3.5.12) Intergization < | 915 0 0 0 0 0 0 0 0 0 0 2765 | 915 915 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 30-Sep-23 0% 0% 0% 0% 0% 12-Apr-25 0% 0% 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 12-Apr-25 0% 15-Dec-17 A 100% 100% 100% 11-Jul-25 | 02-Apr-26 31-Oct-23* 31-Oct-24* 31-Oct-24* 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 30-Sep-23 06 30-Sep-23 30 30-Sep-23 30 1 31 1 115 1 30 1 115 1 115 1 115 2 110 23-Dec-22 111 2 23 2 23 2 23 2 23 2 23 2 23 2 23 2 23 2 2 3 30 3 30 3 30 3 30 3 30 3 30 3 30 3 30 3 30 3 30 3 30 3 30 30 30 30 30 30 30 30 30 30 30 | 16-Jan-26 10-Oct-23 10-Oct-24 11-Oct-24 11-Oct-24 11-Oct-24 10-Oct-24 11-Oct-24 11-Feb-25 9-Jun-25 0-Jul-25 10-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | -86 0 0 3 3 -86 -86 -86 -86 -86 | | | | | | |
| 01-1030(5a) Grid Connection Ag 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1103 Physical Completion 01-1100 Physical Completion 01-1100 Physical Completion 01-1100 Physical Completion 01-1110 Ompletion of 180 D Dates of Site Pocessions D 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti | rergization to IWMF Substation Image: Substation id Image: Substation d Image: Substation ficiate Image: Substation Provision for Transmission Image: Substation C1.3.4.11 System Commissioning Test Image: Substation a.11 System Commission Test Image: Substation on of 90 Days Plant Commissioning Test Works Image: Substation al Completion of the Works Image: Substation Days for Installation, T&C of CCTV System and Onshore Power System at Portio Image: Substation ion 1 Image: Substation Image: Substation ion 1A Image: Substation Image: Substation ion 3 Image: Substation Image: Substation ion 4 Image: Substation Image: Substation ion 6 Image: Substation Image: Substation ion 7 Image: Substation Image: Substation | 0 0 0 0 0 0 0 0 0 0 2765 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0% 0% 0% 0% 0% 12-Apr-25 0% 0% 0% 15-Dec-17 A 100% 100% 100% 100% 100% 100% 11-Jul-25 | 31-Oct-23* 31-Oct-23* 31-Oct-24 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A | 33 34 35 36 37 37 38 38 39 30 31 31 31 32 36 37 38 39 30 31 31 32 33 34 35 36 37 36 37 37 38 39 39 30 30 31 31 31 32 32 32 32 32 32 32 32 32 32 33 33 34 35 36 37 36 37 37 36 37 36 37 37 37 37 37 37 <td>0-Oct-23 0-Oct-24 1-Oct-24 5-Jan-25 0-Sep-23 0-Sep-23 0-Jun-25 0-Jun-25 0-Jul-25 1-Jul-25 1-Jul-25 13-Dec-22 13-Dec-22</td> <td>0 0 3 -86 -86 -86 -86 -86</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 0-Oct-23 0-Oct-24 1-Oct-24 5-Jan-25 0-Sep-23 0-Sep-23 0-Jun-25 0-Jun-25 0-Jul-25 1-Jul-25 1-Jul-25 13-Dec-22 13-Dec-22 | 0 0 3 -86 -86 -86 -86 -86 | | | | | | |
| 01-1040 Incoming Power En 01-1050 Export Power to Grid 01-1050 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1100 Physical Completion 01-1100 Physical Completion 01-1110 State Pocessions 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1120 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti 01-1210-1(M55) Possession of Porti | rergization to IWMF Substation Image: Substation id Image: Substation d Image: Substation ficiate Image: Substation Provision for Transmission Image: Substation C1.3.4.11 System Commissioning Test Image: Substation a.11 System Commission Test Image: Substation on of 90 Days Plant Commissioning Test Works Image: Substation al Completion of the Works Image: Substation Days for Installation, T&C of CCTV System and Onshore Power System at Portio Image: Substation ion 1 Image: Substation Image: Substation ion 1A Image: Substation Image: Substation ion 3 Image: Substation Image: Substation ion 4 Image: Substation Image: Substation ion 6 Image: Substation Image: Substation ion 7 Image: Substation Image: Substation | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0% 0% 0% 0% 12-Apr-25 0% 0% 0% 15-Dec-17 A 100% 100% 100% 11-Jul-25 | 31-Oct-24 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A | 33 1 1 1 1 1 1 1 1 1 1 1 1 23-Dec-22 1 2 2 2 2 2 2 2 2 2 2 2 | 0-Oct-24 11-Oct-24 5-Jan-25 0-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 3-Dec-22 3-Dec-22 | 0 0 3 -86 -86 -86 -86 -86 | | | | | | |
| 01-1050 Export Power to Grid 01-1060 Issuance of FS Cert 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1110 Physical Completion 01-1110 Physical Completion 01-1110 Completion of 180 D 01-1110 Completion of 180 D 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti 01-1210-1(M55) Possession of Porti 01-1210-1(M55) Possession of Porti | id itificate Provision for Transmission C1.3.4.11 System Commissioning Test .4.11 System Commission Test | 2765 | 0 0 0 0 0 765 0 0 0 0 0 0 0 0 0 | 0% 0% 0% 12-Apr-25 0% 0% 0% 10% 15-Dec-17 A 100% 100% 100% 11-Jul-25 | 31-Oct-24* 12-Jan-25 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A | 31 16-Jan-25 16-Jan-25 11 23-Dec-22 23-Dec-22 23-Dec-22 23-Dec-22 | 11-Oct-24 5-Jan-25 10-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | 0 3 -86 -86 -86 -86 -86 -86 | | | | | | |
| 01-1070 Completion of Civil 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1110 Physical Completion 01-1110 Physical Completion 01-1110 Completion of 180 E Dates of Site Pocessions Completion of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti Iccence/Permit Applications Iccense/Permit for Construction 03-1080 CN | Provision for Transmission Image: Commission of the second se | 2765 | 0 0 0 0 0 765 0 0 0 0 0 0 0 0 0 | 0% 0% 12-Apr-25 0% 0% 0% 15-Dec-17 A 100% 100% 100% 100% 11-Jul-25 | 30-Sep-23* 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A | 30 16-Jan-25 1 1 2 2 2 23-Dec-22 | 0-Sep-23 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 3-Dec-22 3-Dec-22 | 0 -86 -86 -86 -86 -86 -86 | | | | | | |
| 01-1080 Commencement of 01-1090 Completion of C1.3. 01-1100 Physical Completion 01-1110(3)(M15) Planned Substantia 01-1110-1(5a) Completion of 180 ID Dates of Site Pocessions Completion of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti 01-1210-1(M55) Possession of Porti 01-200 Possession of Porti 01-200 Possession of Porti 01-200 Possession of Porti 01-120-1(M55) Possession of Porti 01-200 Possession | C1.3.4.11 System Commissioning Test | 2765 | 0 0 0 0 0 765 0 0 0 0 0 0 0 0 0 | 0% 12-Apr-25 0% 0% 0% 15-Dec-17 A 100% 100% 100% 100% 100% 100% 100% | 28-Apr-25 13-Sep-25 04-Oct-25 02-Apr-26* 15-Dec-17 A 15-Dec-17 A | 16-Jan-25 1 1 1 1 2 23-Dec-22 1 2 2 | 11-Feb-25 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 13-Dec-22 13-Dec-22 | -86 -86 -86 -86 -86 -86 | | | | | | |
| 01-1090 Completion of C1.3. 01-1100 Physical Completio 01-1110(3)(M15) Planned Substantia 01-1110-1(5a) Completion of 180 ID Dates of Site Pocessions Oracle Site Pocessions 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti Iccense/Permit for Construction CNP for Percussive 03-1080 CNP for Percussive | 4.11 System Commission Test | 2765 | 0 0 0 0 765 0 0 0 0 0 0 0 0 | 0% 0% 0% 15-Dec-17 A 100% 100% 100% 100% 11-Jul-25 | 13-Sep-25 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 23-Dec-22 11 22 23-Dec-22 22 23 23 23-Dec-22 23 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25 | 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 23-Dec-22 | -86 -86 -86 -86 | | | | | | |
| 01-1100 Physical Completio 01-1110(3)(M15) Planned Substantia 01-1110-1(5a) Completion of 180 ID Dates of Site Pocessions Oracle Site Pocessions 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti Iccence/Permit Applications Iccense/Permit for Construction 03-1080 CNP for Percussive | on of 90 Days Plant Commissioning Test Works Image: Commission of the Works al Completion of the Works Image: Commission of the Works Days for Installation, T&C of CCTV System and Onshore Power System at Portio Image: Commission of the Works ion 1 Image: Commission of the Works Image: Commission of the Works ion 1 Image: Commission of the Works Image: Commission of the Works ion 1 Image: Commission of the Works Image: Commission of the Works ion 1 Image: Commission of the Works Image: Commission of the Works ion 1 Image: Commission of the Works Image: Commission of the Works ion 2 Image: Commission of the Works Image: Commission of the Works ion 3 Image: Commission of the Works Image: Commission of the Works ion 5 Image: Commission of the Works Image: Commission of the Works ion 6 Image: Commission of the Works Image: Commission of the Works ion 7 Image: Commission of the Works Image: Commission of the Works | 2765 | 0 0 765 0 0 0 0 0 0 0 0 | 0% 0% 15-Dec-17 A 100% 100% 100% 100% 11-Jul-25 | 13-Sep-25 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 23-Dec-22 11 23-dec-22 12 23-dec-22 23 23-dec-22 23 23-dec-23-dec-23 23-dec-23 23-dec-23-dec-23 23-dec-23-dec-23-dec-23 23-dec- | 9-Jun-25 0-Jul-25 16-Jan-26 1-Jul-25 23-Dec-22 | -86 -86 -86 | | | | | | |
| 01-1110(3)(M15) Planned Substantia 01-1110-1(5a) Completion of 180 ID Dates of Site Pocessions Possession of Porti 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1180 Possession of Porti 01-11200 Possession of Porti 01-12105 Possession of Porti 01-1210 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti Iccence/Permit Applications Iccense/Permit for Construction 03-1080 CNP for Percussive | al Completion of the Works | 2765 | 0 0 0 0 0 | 0% 0% 15-Dec-17 A 100% 100% 100% 11-Jul-25 | 04-Oct-25 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 10 06 23-Dec-22 11 23 23 23 23 | 0-Jul-25 16-Jan-26 1-Jul-25 23-Dec-22 | -86 -86 | | | | | | |
| 01-1110-1(5a) Completion of 180 E Dates of Site Pocessions 01-1120 Possession of Porti 01-1120 Possession of Porti 01-1130 01-1130 Possession of Porti 01-1140 01-1140 Possession of Porti 01-1150 01-1150 Possession of Porti 01-1160 01-1160 Possession of Porti 01-1170 01-1170 Possession of Porti 01-1180 01-1180 Possession of Porti 01-11200 01-11200 Possession of Porti 01-1210 01-1210(5a) Possession of Porti 01-1210-01(M55) 01-1210-1(M55) Possession of Porti 01-1210-01(M55) License/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | Days for Installation, T&C of CCTV System and Onshore Power System at Portio ion 1 ion 1A ion 1B ion 2 ion 3 ion 4 ion 5 ion 6 ion 7 | 2765 | 0 0 0 0 0 | 0% 15-Dec-17 A 100% 100% 100% 11-Jul-25 | 02-Apr-26* 11-Jul-25 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 06 23-Dec-22 11 23 23 23 23 23 | 16-Jan-26 1-Jul-25 23-Dec-22 23-Dec-22 | | | | | | | |
| 01-1120 Possession of Porti 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210,5a) Possession of Porti 01-1210-1(M55) Possession of Porti cense/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | ion 1Aion 1Bion 2ion 3ion 4ion 5ion 6ion 7 | | 0 0 0 0 0 | 100% 100% 100% 0% 11-Jul-25 | 15-Dec-17 A 15-Dec-17 A 15-Dec-17 A | 20 20 20 | 3-Dec-22 3-Dec-22 | 0 | | | | | | |
| 01-1130 Possession of Porti 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti iccense/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | ion 1Aion 1Bion 2ion 3ion 4ion 5ion 6ion 7 | 0 0 0 0 0 0 0 0 | 0 0 0 0 | 100% 100% 0% 11-Jul-25 | 15-Dec-17 A 15-Dec-17 A | 23 | 3-Dec-22 | | | | | | | |
| 01-1140 Possession of Porti 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti cicense/Permit Applications CNP for Percussive 03-1080 CNP for Percussive | ion 1Bion 2ion 3ion 4ion 5ion 6ion 7 | 0 0 0 0 0 0 | 0 0 0 0 | 100% 0% 11-Jul-25 | 15-Dec-17 A | 23 | | | | | | | | |
| 01-1150 Possession of Porti 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210-1(M55) Possession of Porti iccence/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | ion 2 ion 3 ion 4 ion 5 ion 6 ion 7 | 0 0 0 0 0 | 0 0 0 | 0% 11-Jul-25 | | | 3-Dec-22 | | | | | | | |
| 01-1160 Possession of Porti 01-1170 Possession of Porti 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti icense/Permit Applications | ion 3 | 0 0 0 0 | 0 | | | 11-0ul-23 | | 0 | | | | | | |
| 01-1170 Possession of Porti 01-1180 Possession of Porti 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti icence/Permit Applications | ion 4 | 0 0 0 | 0 | | 06-Jun-23* | 06 | 16-Jun-23 | 0 | | | | | | |
| 01-1190 Possession of Porti 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti icense/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | ion 6 ion 7 | 0 | 0 | 0% | 06-Jun-23* | | 6-Jun-23 | 0 | | | | | | |
| 01-1200 Possession of Porti 01-1210 Possession of Porti 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti .icence/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | ion 7 | 0 | - | 0% | 06-Jun-23* | 06 | 6-Jun-23 | 0 | | | | | | |
| 01-1210 Possession of Porti 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti .icence/Permit Applications Image: Construction 03-1080 CNP for Percussive | | | 0 | 070 20 000 21 | | 16-Jan-25 | | 88 | | | | | | |
| 01-1210(5a) Possession of Porti 01-1210-1(M55) Possession of Porti .icence/Permit Applications Image: Construction Use of the set of th | Ion /A | 0 | 0 | | 05-Jan-18 A | | 0-Jul-25 | | | | | | | |
| 01-1210-1(M55) Possession of Porti Licence/Permit Applications License/Permit for Construction 03-1080 CNP for Percussive | | 0 | 0 | 10070 | 07-Dec-18 A | 11-Jul-25 | 0-Jul-25 | | | | | | | |
| License/Permit for Construction 03-1080 CNP for Percussive | | 0 | 0 | | | 11-Jul-25 | | | | | | | | |
| License/Permit for Construction 03-1080 CNP for Percussive | | 1794 | 330 | 07-Mar-19 A | 23-Jan-24 | 18-Feb-23 10 | 0-Jul-25 | 534 | | | | | | |
| | | 1794 | 180 | 07-Mar-19 A | 26-Aug-23 | 02-Mar-23 10 | 0-Jul-25 | 684 | | | - | | | |
| 03-1360(2) CNP for 24Hrs | e Piling Works | 613 | 67 | 89.07% 31-Aug-21 A | 05-May-23 | 26-Apr-24 01 | 1-Jul-24 | 423 | | | | | 05-N | May-23, CNP for F |
| ., | | 1634 | 180 | | - | 12-Jan-25 10 | | 684 | | | | | | |
| 03-1370_1(M34) Landscape and Visu | uai Plan | 180 30 | 112 30 | 37.78% 24-Dec-22 A | | 02-Mar-23 21 22-May-23 20 | | 2 53 | | | | | | |
| Day Tank & Fuel Oil Storage (Cat 5) | | 30 | 30 | | 28-Apr-23 | 22-May-23 20 | | 53 | | | | | | |
| | ans and FSI Provision Design Submission to FSD (Cat 5) | 30 | 30 | | 28-Apr-23 | 22-May-23 20 | | 53 | | | 30-Mar-23 | | 28-Apr-23, G | General Building F |
| Fire Services Installations (FSI) Certification | | 0 | 0 | | | 06-Mar-23 06 | | -23 | | | |] | | |
| Fire Services Installations Certificate Inspection | | 0 | 0 | | 29-Mar-23 | 06-Mar-23 06 | | -23 | | | | | | |
| | I Building Plans and FSI Provision Design Submission | 0 358 | 0 330 | | 29-Mar-23 | 00 02-Mar-23 31 | 6-Mar-23 | -23 -23 | | | • | Approval of General Bui | Iding Plans and FSI Provi | sion Design Subr |
| Air Pollution Control (Specified Processes 03-1740(3) Document preparati | ion for SP License Application (upon consent of relevent DDA designs) | 60 | 5 | 91.67% 06-Jan-23 A | | 02-Mar-23 06 | | 2 | | | 04-Mar-23, Document prepa | ation for SP License Appli | ication (upon consent of re | elevent DDA desi |
| | ation Submissions and review by EPD | 300 | 300 | | 23-Jan-24 | 07-Mar-23 31 | | -23 | | | 30-Mar-23 | | | |
| Boilers and Pressure Vessels License | | 331 | 180 | 29-Mar-22 A | 26-Aug-23 | 18-Feb-23 16 | 6-Aug-23 | -10 | | | | | | |
| . , | er fabrication inspection plan for License Application | 90 | 90 | | 28-May-23 | 18-Feb-23 18 | | -10 | | 28-Feb-23 | | | | |
| 03-1890(3) Completion of Boile | | 180 | 30 | | · · | 16-Mar-23 14 | | -15 | | | | | | of Boiler off-site |
| 03-1900(3) Completion of Boile 03-1910(3) Completion of on-sir | er off-site inspection before delivery | 60 90 | 60 90 | | 26-Aug-23 | 15-Mar-23 13 19-May-23 16 | | -86 -10 | 3-Feb-23 A | | | | | 29-May |
| eneral Submissions | | 1674 | 120 | , | - | 14-Mar-23 14 | - | 201 | | | | | | 23-1114y |
| Contractor's Plans Submission and Appro | oval | 1674 | 120 | | | 14-Mar-23 14 | | 201 | | | | | | |
| 04-1400(1) Operation Plan (OP | | 240 | 120 | | | 17-Sep-23 14 | | 201 | | | | | | |
| 04-1450(1) Asset Management | , | 120 | 120 | | | 14-Mar-23 11 | | 14 | | 28-Feb-23 | | | | |
| 04-1500(1) Handback Plan (HP | 2) | 120 | 120 | | 27-Jun-23 | 14-Mar-23 11 | | 14 | | 28-Feb-23 | | | | |
| esign Submissions | | 1751 | 168 | | 14-Aug-23 | 23-Dec-22 27 | | 501 | | | | | | |
| General Building Plan | Westweeter Technold Direct | 637 | 30 | | 29-Mar-23 | 04-Mar-23 27 | | 90 | | | | | | |
| 04-1600(M42) Process Building & 04-1610(M42) Turbin Hall Building | Wastewater Treatment Plant | 135 135 | 0 | | | 06-Mar-23 06 06-Mar-23 06 | | 7 | | | 28-Feb-23, Process Building & W 28-Feb-23, Turbin Hall Building, T | | ······ | stewater Treatme |
| | a | 130 | U | 100% 03-War-21A | 20-160-23 | 00-11/101-23 00 | o-ivid1-23 | 1 | | | - 20-1 80-20, TURDIN HALLBUIRDING, I | , 28-Feb , | F20 | |

| | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Current Finish Complete | Late Start Late Finish | Total Float M63 Remarks | Feb | Mar |
|-----------------------------------|--|----------------------|-----------------------|---|--|-------------------------|------------------------|-----------------------------|
| 04-1620(M42) | Compressor & CCCW Building | 135 | 0 | 100% 03-Mar-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | 63 | 64 28-Feb-23, Compressor |
| 4-1630(M42) | Chimney | 135 | 0 | 100% 03-Mar-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | | 28-Feb-23, Chimney, Ch |
| 4-1640(M42) | Mechanical Treatment Plant & Water Treatment Plant | 135 | 0 | 100% 03-Jun-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | | 28-Feb-23, Mechanical |
| I-1650(M42) | Reception Pavilion | 135 | 0 | 100% 03-Jun-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | | 28-Feb-23, Reception F |
| I-1660(M42) | Administration Building and Viewing Gallery | 135 | 0 | 100% 03-Jun-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | | 28-Feb-23, Administrat |
| -1670(M42) | Elevated Drive Way and Associated Structures | 135 | 0 | 100% 03-Mar-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | | |
| 4-1680(M42) | IW MF Substation | 135 | 0 | 100% 03-Mar-21 A 28-Feb-23 | 06-Mar-23 06-Mar-23 | 7 | 00.5 + 00 | 28-Feb-23, IW MF Sub |
| 4-1690(M46) 4-1730 | ACC Equipment Structure Weighbridge | 0 | 0 22 | 0% 28-Feb-23 28-Feb-23 5% 22-Apr-22 A 21-Mar-23 | 06-Mar-23 06-Mar-23 06-Jun-23 27-Jun-23 | 7 98 | 28-Feb-23 | I 28-Feb-23, ACC Equip |
| 4-1730 | Seawater Intake Structure | 60 | 30 | · · · · · · · · · · · · · · · · · · · | 04-Mar-23 02-Apr-23 | 4 | -Feb-23 A, 23-Feb-23 A | |
| P Design Package | | 1652 | 105 | | 23-Dec-22 13-Oct-24 | 489 | | |
| <u> </u> | Reclamation, Sea wall, Break water, Berth (2.2) | 669 | 60 | | 23-Dec-22 20-Aug-23 | 114 | | |
| 05-2960-1(M37) | Mooring Dolphins | 90 | 0 | | | | Mooring Dolphi | ns, 13-Feb-23 A |
| 5-2970 | Onshore crane Facility (2.2.11) | 90 | 3 | 5% 11-Apr-22 A 02-Mar-23 | 28-Jul-23 30-Jul-23 | 150 | | 02-Mar-23, Onshor |
| 5-2980 | Onshore vessel power supply system (2.2.12) | 135 | 60 | 80% 31-May-21 A 28-Apr-23 | 22-Jun-23 20-Aug-23 | 114 | | |
| P Incineration Plant I | | 1577 | 60 | | | 481 | | |
| | ngs and Fire Saftey Strategy (2.3.00) | 30 | 30 | | 22-Apr-23 21-May-23 | 53 | | |
| 05-1220 | ACC Equipment Structure | 30 | 30 | | | 53 | 28-Feb-23 | |
| oundation design (2. | | 135 | 0 | | 06-Mar-23 06-Mar-23 | 7 | | L 00 Feb 00 Decention |
|)5-3090 tructural design (2.3. | Reception Pavilion | 135 | 0 60 | | | 7 311 | | 28-Feb-23, Reception |
| 05-3090-1(M55) | Sky Deck | 135 | | 55.56% 01-Jun-21 A 28-Apr-23 | | 311 | | |
| peration Managemen | | 121 | 16 | · · · | | 414 | | |
| 05-2250 | Design of the Air Quality Monitoring Stations (2.9.01) | 60 | 16 | | | 0 | | De |
| 05-3840-1(M22) | Automatic Traffic Control System (ATCS) (2.10.06.12) | 90 | 14 | 5% 14-Feb-22A 13-Mar-23 | 19-Apr-24 02-May-24 | 416 | | 13-M |
| Building services desi | ign (excluding fire services installation design) (2.3.06) | 405 | 60 | 04-Dec-18 A 28-Apr-23 | 06-May-23 21-Aug-24 | 481 | | |
| 05-1550 | Electrical Services and Lighting | 150 | 30 | 25% 02-Jan-19A 29-Mar-23 | 06-May-23 04-Jun-23 | 67 | | |
| 05-1560 | MVAC (6 Packages) | 105 | 60 | · · · | 06-Jun-23 04-Aug-23 | 98 | | |
| 05-1570 | Odour Control | 135 | 60 | · · · | 06-Jun-23 04-Aug-23 | 98 | | A |
| 05-1580 | Plumbing (7 Packages) | 210 | 60 | • • | 13-Jan-24 12-Mar-24 | 319 | | |
| 05-1590 | Drainage (7 Packages) | 135 | 60 | · · | 13-Jan-24 12-Mar-24 | 319 | | |
| 05-1600 05-1770-1(M20) | ELV (7 Packages) Water Cannon System | 135 | 30 30 | | 06-May-23 04-Jun-23 23-Jul-24 21-Aug-24 | 67 511 | | |
| AIP Fire services instal | | 270 | 30 | 0 | | 53 | | |
| Reception Pavilion (2. | | 270 | 30 | | 22-Apr-23 21-May-23 | 53 | | |
| 05-5460(M22) | Fire Systems (2.3.05.06.01) | 270 | 30 | | | 53 | | |
| 05-5470-1(M22) | FS schematics (2.3.05.06.03) | 135 | 30 | 80% 31-Oct-19 A 29-Mar-23 | 22-Apr-23 21-May-23 | 53 | | |
| IP Mechanical Treatm | ent Plant Building (2.4) | 212 | 60 | 11-Jul-18 A 28-Apr-23 | 23-Mar-23 12-Mar-24 | 319 | | |
| | ign (excluding fire services installation design) (2.4.06) | 212 | 60 | | 23-Mar-23 12-Mar-24 | 319 | | |
| 05-1700 | LV and Emergency Power Distribution Design | 135 | 60 | · _ · | | 319 | | |
| 05-1720 | Odour Control | 90 | 30 | 80% 11-Jul-18 A 29-Mar-23 | 23-Mar-23 21-Apr-23 | 23 | | |
| 05-1740 IP Wastewater Treatm | Drainage | 90 | 10 | | 13-Jun-23 22-Jun-23 09-Apr-23 12-Mar-24 | 105 319 | | 09-Mar-23 |
| | ign (excluding fire services installation design) (2.5.06) | 1170 1170 | 60 60 | | 09-Apr-23 12-Mar-24 | 319 | | |
| 05-1830 | LV and Emergency Power Distribution Design (2.5.06.01) | 135 | 60 | | 13-Jan-24 12-Mar-24 | 319 | | |
| 05-1840 | MVAC (2.5.06.02) | 135 | 60 | • • | 24-Apr-23 22-Jun-23 | 55 | | |
| 05-1850 | Odour Control (2.5.06.03) | 105 | 60 | | 30-Apr-23 28-Jun-23 | 61 | | |
| 05-1860 | Plumbing (2.5.06.04) | 135 | 60 | 25% 31-Jan-19A 28-Apr-23 | 24-Apr-23 22-Jun-23 | 55 | | |
| 05-1870 | Drainage (2.5.06.05) | 135 | 60 | 25% 31-Jan-19A 28-Apr-23 | 09-Apr-23 07-Jun-23 | 40 | | |
| 05-1880 | ELV (2.5.06.06) | 135 | 60 | 25% 01-Feb-19A 28-Apr-23 | 17-Jul-23 14-Sep-23 | 139 | | |
| P Water Treatment PI | | 135 | 60 | | | 319 | | |
| | ign (excluding fire services installation design) (2.6.06) | 135 | 60 | | 13-Jun-23 12-Mar-24 | 319 | | |
| 05-1960 | Electrical Services and Lighting (2.6.06.01) | 135 | 60 | · · · | 13-Jan-24 12-Mar-24 | 319 | | |
| 05-2000 P Administration Buil | Drainage | 135 | 10 90 | | 13-Jun-23 22-Jun-23 03-Mar-23 16-Jul-23 | 105 49 | | 09-Mar-2 |
| 5-2050 | Electrical and instrumentation works design (2.7.03) | 90 | 90 | | | 49 | | |
| | ign (excluding fire services installation design) (2.7.05) | 135 | 20 | | | 3 | 201 60-23 | |
| 05-2080 | MVAC | 135 | 20 | | | 3 | | |
| P IWMF Substation (2 | | 180 | 30 | | | 5 | | |
| 5-2170 | Electrical and instrumentation works design (2.8.03) (14 Packages) | 180 | 30 | 45% 31-Oct-19 A 29-Mar-23 | 05-Mar-23 03-Apr-23 | 5 | | |
| P Chimney | | 151 | 60 | 20-Sep-21 A 28-Apr-23 | 17-Jul-23 07-Feb-24 | 285 | | |
| uilding services desi | ign (excluding fire services installation design) | 151 | 60 | 20-Sep-21 A 28-Apr-23 | 17-Jul-23 07-Feb-24 | 285 | | |
| 05-5430(5a) | Electrical Services and Lighting | 90 | 60 | · · · · · · | 10-Dec-23 07-Feb-24 | 285 | | 4 |
| 05-5440(5a) | MVAC | 90 | 30 | | 21-Sep-23 20-Oct-23 | 205 | | <u> </u> |
| | Plumbing | 90 | 60 | 5% 20-Sep-21 A 28-Apr-23 | 03-Dec-23 31-Jan-24 03-Dec-23 31-Jan-24 | 278 | | |
| 05-5450(5a) 05-5460-1(5a) | Drainage | 90 | 60 | 5% 20-Sep-21 A 28-Apr-23 | | 278 | | |

♦ Milestone

| | . EP/SP/66/12 lities, Phase 1 | 最現保護署 Environmental Protaction Department |
|-------------|---|---|
| | Apr 65 | May 66 |
| CCCW B | µ µilding, Compressor & CCCW | |
| ney, 28-Fe | b-23 | |
| | ant & Water Treatment Plant, ption Pavilion, 28-Feb-23 | Mechanical Treatment Plant & Water Treatm |
| Buildinga | nd Viewing Gallery, Administi | ration Building and Viewing Gallery, 28-Feb-2 |
| | ssociated Structures, Elevat | ed Drive W ay and Associated Structures, 28- |
| t Structur | ė | |
| | Weighbridge, Weighbridge, 29-Mar-23, Seawater Intake S | |
| | | |
| ne Facility | (2.2.11), Onshore crane Faci | lity (2.2.11), 02-Mar-23 |
| | | 28-Apr-23, Onshore vessel power sup |
| 2 | 29-Mar-23, ACC EquipmentS | tructure |
| lion, Rece | ption Pavilion, 28-Feb-23 | |
| | | 28-Apr-23, Sky Deck, Sky Deck, 28-A |
| | | .9.01), 15-Mar-23, 15-Mar-23, Design of the A CS) (2.10.06.12), Automatic Traffic Control Sy |
| 2 | 29-Mar-23, Electrical Services | s and Lighting, Electrical Services and Lightir |
| | | 28-Apr-23, MVAC (6 Packages), MVA 28-Apr-23, Odour Control, Odour Cont |
| | | 28-Apr-23, Plumbing (7 Packages), P 28-Apr-23, Drainage (7 Packages), Dr |
| | + | , ELV (7 Packages), 29-Mar-23 tem, Water Cannon System, 29-Mar-23 |
| | 29-Mar-23. Fire Systems (2.3. | 05.06.01), Fire Systems (2.3.05.06.01), 29-M |
| | { | 3.05.06.03), FS schematics (2.3.05.06.03), 2 |
| | | 28-Apr-23, LV and Emergency Power |
| inage, Dra | 29-Mar-23, Odour Control, Od inage, 09-Mar-23 | our Control, 29-Mar-23 |
| | | |
| | · · · · · · · · · · · · · · · · · · · | 28-Apr-23, LV and Emergency Power |
| | · · · · · · · · · · · · · · · · · · · | 28-Apr-23, MVAC (2.5.06.02), MVAC (2.5.06.02), MVAC (2.5.06.03), |
| | | 28-Apr-23, Plumbing (2.5.06.04), Plur |
| | | 28-Apr-23, Drainage (2.5.06.05), Drain 28-Apr-23, ELV (2.5.06.06), ELV (2.5.0 |
| | | |
| inage, Dra | inage, 09-Mar-23 | 28-Apr-23, Electrical Services and Lig |
| | 1 | 2 |
| Mar-23, N | IVAC, MVAC, 19-Mar-23 | |
| | 29-Mar-23, Electrical and inst | rumentation works design (2.8.03) (14 Packa |
| | | 28-Apr-23 Electrical Services and Lic |
| | 29-Mar-23, MVAC, MVAC, 29- | |
| | 1 | 28-Apr-23, Plumbing, Plumbing, 28-A 28-Apr-23, Drainage, Drainage, 28-Ap |
| | | |

| KEPPEL SEGUERS - ZHEN II | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Current Finish Complete | Late Start Late Finish | Total Float M63 Remarks | Feb | ste Management Facilities, Phase 1 |
|---------------------------------------|---|----------------------|-----------------------|--|---|-------------------------|-----------|---|
| 05-5470(5a) | ELV | 90 | 60 | 5% 20-Sep-21 A 28-Apr-23 | 10-Dec-23 07-Feb-24 | 285 | 63 | 64 65 66 66 28-Apr-23, ELV, 28-Apr- |
| 05-5490(5a) | Building Management System (BMS) | 90 | 60 | 5% 27-Oct-21 A 28-Apr-23 | 17-Jul-23 14-Sep-23 | 139 | | 28-Apr-23, Building Managem |
| · · · · · · · · · · · · · · · · · · · | y and Associated Structures Foundation | 105 | 30 | 31-Dec-21 A 29-Mar-23 | 15-Sep-23 14-Oct-23 | 199 | | |
| Building services desi 05-7090 | ign (excluding fire services installation design) Electrical Services and Lighting | 105 105 | 30 30 | 31-Dec-21 A 29-Mar-23 5% 31-Dec-21 A 29-Mar-23 | 15-Sep-23 14-Oct-23 15-Sep-23 14-Oct-23 | 199 199 | | 29-Mar-23, Electrical Services and Lighting, Electrical Services and |
| IP Roads and Utilities | | 910 | 60 | 31-Oct-20 A 28-Apr-23 | 04-Mar-23 18-Jan-24 | 265 | | |
| | design on the Artificial Island (2.10.04) | 910 | 60 | 31-Oct-20 A 28-Apr-23 | 10-Mar-23 20-Sep-23 | 145 | | |
| 05-2360 05-2370-2(M24) | W ater Tanks (2.10.04.05) Building Services system for seawater intake (2.10.04.09) | 60 105 | 60 60 | 0% 28-Feb-23 28-Apr-23 5% 31-Oct-20 A 28-Apr-23 | 10-Mar-23 08-May-23 23-Jul-23 20-Sep-23 | 10 | 28-Feb-23 | 28-Apr-23, Water Tanks (2.10 28-Apr-23, Building Services |
| 05-2370-2(M24) | Chemical scrubber system for odour control (2.10.04.09) | 105 | 60 | 5% 31-Oct-21 A 28-Apr-23 | 23-Jul-23 20-Sep-23 | 145 | | 28-Apr-23, Chemical scrubbe |
| Design of telecommun | nication and other utilities (2.10.06) | 590 | 6 | 31-Jan-21 A 05-Mar-23 | 04-Mar-23 18-Jan-24 | 319 | | |
| 05-2380 05-2430 | Power Distribution System concept / schematics (2.10.06.01) | 135 105 | 1 | 5% 31-Jan-21 A 28-Feb-23 80% 31-May-22 A 05-Mar-23 | 18-Jan-24 18-Jan-24 04-Mar-23 09-Mar-23 | 324 | | 28-Feb-23, Power Distribution System concept / schematics (2.10.06.01), Power Distribution System |
| Utility ducts/Pipebridg | Site ELV Network System - Navigation aids concept / schematics (2.10.06.06) | 455 | 60 | 01-May-21 A 28-Apr-23 | 18-Aug-23 19-Nov-23 | 205 | | 05-Mar-23, Site ELV Network System - Navigation aids concept / schematics (2.10.06.06), Site I |
| 05-2460 | Design of Pipe / Utilities Trenches concept (2.10.06.09.01) | 105 | 60 | 5% 01-May-21 A 28-Apr-23 | 21-Sep-23 19-Nov-23 | 205 | | 28-Apr-23, Design of Pipe / U |
| 05-2470 | Sitewide Utilities Trenches Design (2.10.06.09.02) | 105 | 60 | 5% 01-May-21 A 28-Apr-23 | 21-Sep-23 19-Nov-23 | 205 | | 28-Apr-23, Sitewide Utilities |
| Layout Plan for Pipe 05-6010 | Bridge Network Pipebridge B | 60 60 | 30 30 | 31-May-22 A 29-Mar-23 50% 31-May-22 A 29-Mar-23 | 18-Aug-23 16-Sep-23 18-Aug-23 16-Sep-23 | 171 171 | | 29-Mar-23, Pipebridge B, Pipebridge B, 29-Mar-23 |
| 05-6020 | Pipebridge C | 60 | 30 | 50% 31-May-22 A 29-Mar-23 | 18-Aug-23 16-Sep-23 | 171 | | 29-Mar-23, Pipebridge C, Pipebridge C, 29-Mar-23 |
| | shes and Landscaping Works (2.11) | 668 | 60 | 31-Oct-20 A 28-Apr-23 | 30-Nov-23 13-Oct-24 | 534 | | |
| External and internal f | | 439 | 10 | 31-Oct-20 A 09-Mar-23 | 30-Nov-23 16-May-24 | 434 | | |
| 05-2570 05-2590 | External and internal finishes design for MT Plant Building (2.11.02) External and internal finishes design for the Water Treatment Plant Building (2.11.04) | 105 105 | 10 10 | 45% 31-Oct-20 A 09-Mar-23 25% 30-Sep-21 A 09-Mar-23 | 30-Nov-23 09-Dec-23 30-Nov-23 09-Dec-23 | 275 275 | | 09-Mar-23, External and internal finishes design for MT Plant Building (2.11.02), External ar 09-Mar-23, External and internal finishes design for the Water Treatment Plant Building (2.1 |
| 05-2600 | External and internal finishes design for the Administration Building (2.11.05) | 105 | 10 | 45% 31-Oct-20 A 09-Mar-23 | 07-May-24 16-May-24 | 434 | | 09-Mar-23, External and internal finishes design for the Administration Building (2.1.05), E |
| Facade Structural Des | | 242 | 60 | 26-Aug-21 A 28-Apr-23 | 06-Mar-24 13-Oct-24 | 534 | | |
| 05-8040-1(6D) | Reception Pavilion (2.3.14.07.01) | 90 | 60 | 5% 05-Oct-21 A 28-Apr-23 | 15-Aug-24 13-Oct-24 | 534 | | 28-Apr-23, Reception Pavilion |
| 05-8050-1(6D) 05-8060-1(6D) | Mechanical Treatment Plant & Desalination Plant Building (2.4.14.01) Adminstration Building and Viewing Gallery (2.7.12.01) | 90 90 | 60 60 | 5% 08-Mar-22 A 28-Apr-23 5% 07-Dec-21 A 28-Apr-23 | 27-Apr-24 25-Jun-24 19-Apr-24 17-Jun-24 | 424 | | 28-Apr-23, Mechanical Treatm 28-Apr-23, Adminstration Bui 28-Apr-23, Adminstration Bui |
| 05-8080-1(6D) | Elevated Driveway and Associated Structures | 91 | 30 | 5% 26-Aug-21 A 29-Mar-23 | 06-Mar-24 04-Apr-24 | 372 | | 29-Mar-23, Elevated Driveway and Associated Structures, Elevated |
| AIP Testing and Commi | | 105 | 60 | 23-Apr-19 A 28-Apr-23 | 18-Aug-23 16-Oct-23 | 171 | | |
| 05-2650-1(5) | Factory Acceptance Testing plan (2.12.01.02-07) (8 Packages) | 105 | 60 | 5% 23-Apr-19A 28-Apr-23 | 18-Aug-23 16-Oct-23 | 171 | | 28-Apr-23, Factory Acceptance |
| AIP Transportation Fac 05-2690 | Design of vehicles for MSW and Ash and Residues delivery (2.13.01) | 105 105 | 0 | 30-Sep-20 A 28-Feb-23 100% 30-Sep-20 A 28-Feb-23 | 08-Apr-23 08-Apr-23 08-Apr-23 08-Apr-23 08-Apr-23 08-Apr-23 08-Apr-23 08-Apr-23 | 40 | | 28-Feb-23, Design of vehicles for MSW and Ash and Residues delivery (2.13.01), Design of vehicles for |
| AIP Miscellaneous Worl | | 105 | 105 | 28-Feb-23 12-Jun-23 | 10-Mar-23 22-Jun-23 | 40 10 | | |
| 05-2710 | Design of process related CCTV and existing onshore crane replacement works at Portion 2 (2.14.0 | 105 | 105 | 0% 28-Feb-23 12-Jun-23 | 10-Mar-23 22-Jun-23 | 10 | 28-Feb-23 | |
| AIP Miscellaneous Deta | | 90 | 90 | 25-May-22 A 28-May-23 | 29-May-23 01-Dec-23 | 187 | | |
| 05-2740 05-2750 | Gatehouses (2.15.03) W eighbridge office (2.15.04) | 90 90 | 90 30 | 5% 25-May-22 A 28-May-23 5% 25-May-22 A 29-Mar-23 | 03-Sep-23 01-Dec-23 29-May-23 27-Jun-23 | 187 90 | | 29-Mar-23, W eighbridge office (2.15.04), W eighbridge office (2.15. |
| AIP Auxiliary Plant Syst | | 90 | 90 | 28-Feb-23 28-May-23 | · | 85 | | |
| 05-2760 | Maintenance workshops (2.16.01) | 90 | 90 | 0% 28-Feb-23 28-May-23 | 19-Apr-23 17-Jul-23 | 50 | 28-Feb-23 | |
| 05-2780 | Stores systems (2.16.03) | 90 | 90 | 0% 28-Feb-23 28-May-23 | 24-May-23 21-Aug-23 | 85 | 28-Feb-23 | |
| AIP O&M Packages 05-8010(6E) | Warehouse (O&M Scope) | 258 185 | <u>81</u> 0 | 06-Jun-22 A 19-May-23 5% 04-Jul-22 A 28-Feb-23 | 20-Dec-23 09-Jul-24 20-Dec-23 20-Dec-23 | <u>417</u> 296 | | 28-Feb-23, Warehouse (O&M Scope), Warehouse (O&M Scope), 28-Feb-23 |
| 05-8030(6E) | Ash & Residues Container (O&M Scope) | 160 | 0 | 5% 06-Jun-22 A 28-Feb-23 | 22-May-24 22-May-24 | 450 | | 28-Feb-23, Ash & Residues Container (O&M Scope), Ash & Residues Container (O&M Scope), 28-Feb |
| 05-8040(6E) | Bicar Debagging Station (O&M Scope) | 105 | 81 | 5% 17-Nov-22 A 19-May-23 | 20-Apr-24 09-Jul-24 | 417 | | 19-I |
| DA Design Package | | 1751 | 168 | 05-Sep-18 A 14-Aug-23 | 28-Feb-23 27-Dec-24 | 501 | | |
| DDA Process and Layou | ss design for incineration (2.1.13) | 1078 1078 | 168 168 | 22-Apr-20 A 14-Aug-23 22-Apr-20 A 14-Aug-23 | 27-Jun-23 19-Oct-24 | 432 432 | | |
| 05-5090 | Incineration System (2.1.13.01) (2 Packages) | 105 | 0 | 5% 22-Apr-20 A 28-Feb-23 | 27-Jun-23 27-Jun-23 | 120 | | 28-Feb-23, Incineration System (2.1.13.01) (2 Packages), Incineration System (2.1.13.01) (2 Packages |
| 05-5100 | Heat Recovery Boiler (2.1.13.02) (2 Packages) | 105 | 0 | 5% 23-Apr-20 A 28-Feb-23 | 27-Jun-23 27-Jun-23 | 120 | | 28-Feb-23, Heat Recovery Boiler (2.1.13.02) (2 Packages), Heat Recovery Boiler (2.1.13.02) (2 Packages) |
| 05-5120 | Leachate Collection and Treatment (2.1.13.05) (2 Packages) | 256 | 168 | 25% 30-Jun-22 A 14-Aug-23 | 05-May-24 19-Oct-24 | 432 | | |
| 05-5140 05-5150 | Overall Plan Water Scheme (2.1.13.07) Boiler Feed Water System (2.1.13.03) (2 Packages) | 105 105 | 32 0 | 5% 29-Jan-21 A 31-Mar-23 45% 23-Apr-20 A 28-Feb-23 | 18-Sep-24 19-Oct-24 16-Aug-23 16-Aug-23 | 568 170 | | 31-Mar-23, Overall Plan Water Schem e (2.1.13.07), Overall Plan 28-Feb-23, Boiler Feed Water System (2.1.13.03) (2 Pack ages), Boiler Feed Water System (2.1.13.03) |
| | ss design for mechanical treatment (2.1.14) | 105 | 1 | 02-Oct-20 A 28-Feb-23 | | 72 | | |
| 05-3510 | Water Treatment Plant and Boiler Water Treatment (Demin Unit) Plant | 105 | 1 | 5% 02-Oct-20 A 28-Feb-23 | 11-May-23 11-May-23 | 72 | | 28-Feb-23, Water Treatment Plant and Boiler Water Treatment (Demin Unit) Plant, Water Treatment P |
| | nd Power generation system (2.1.15) | 105 | 60 | 30-Sep-21 A 28-Apr-23 | 02-Nov-23 31-Dec-23 | 247 | | |
| 05-5240 Flue gas treatment pro | Compressed Air Plants occess design for incineration (2.1.16) | 105 105 | 60 31 | 25% 30-Sep-21 A 28-Apr-23 23-Apr-20 A 30-Mar-23 | 02-Nov-23 31-Dec-23 18-Apr-23 18-May-23 | 247 49 | | 28-Apr-23, Compressed Air P |
| 05-4660 | Flue Gas Treatment System (2 Packages) | 105 | 31 | 80% 23-Apr-20 A 30-Mar-23 | 18-Apr-23 18-May-23 | 49 | | 30-Mar-23, Flue Gas Treatment System (2 Packages), Flue Gas |
| 05-4980 | Boiler ash and APC residue handling and solidification (2 Packages) | 105 | 25 | 80% 30-Sep-20 A 24-Mar-23 | 24-Apr-23 18-May-23 | 55 | | 24-Mar 23, Boiler ash and APC residue handling and solidification (2 Pa |
| | design for MSW and Ash and Residues (21.17) | 105 | 16 | 25-Aug-21 A 15-Mar-23 | 03-Aug-23 31-Dec-23 | 291 | | 1 09 Eab 02 Waishbridge Custome Whishbridge Custome 00 Eat 00 |
| 05-4390 05-4410 | Weighbridge Systems Mechanical Shredder | 105 105 | 1 16 | 5% 25-Aug-21 A 28-Feb-23 5% 25-Sep-21 A 15-Mar-23 | 31-Dec-23 31-Dec-23 03-Aug-23 18-Aug-23 | 306 156 | | 28-Feb-23, Weighbridge Systems, Weighbridge Systems, 28-Feb-23 15-Mar-23, Mechanical Shredder, Mechanical Shredder, 15-Mar-23 |
| | t, Reclamation, Seawall, Breakwater, Berth (2.2) | 816 | 20 | 20-Jan-19 A 19-Mar-23 | | 430 | | |
| | Geotechnical Interpretative Report (2.2.02.02) | 105 | 10 | 65% 31-Dec-20 A 09-Mar-23 | 13-May-24 22-May-24 | 440 | | 09-Mar-23, Geotechnical Interpretative Report (2.2.02.02), Geotechnical Interpretative Report |
| 05-3430-2(M37) | Seawall design (2.2.20) | 60 | 20 | 65% 20-Jan-19A 19-Mar-23 | 14-Mar-24 02-Apr-24 | 380 | | 19-Mar-23, Seawall design (2.2.20), Seawall design (2.2.20), 19-Mar-23 |
| 05-3430-2(M37) 05-3450 | | | | | | | | |

| Feb 63 | 58 | | 3-Nov-23 02-Dec-23 | 3 | 19-Mar-23 | 10.4 | | | | | | |
|--------------------|---|-------|--|--|---|---|---|---------------------------------------|---|--|---|---|
| | | | | | | | 65% 20 | 20 | 30 | 60 | Berth design (2.2.22) | -3470 Be |
| | 27 | | 9-Mar-23 05-Jun-24 | | 14-Jul-23 | | | 137 | | 1644 | | A Incineration Plant Building |
| | 59 | | 6-Mar-23 05-Jun-24 | | 12-Jun-23 | | | 105 | | 1630 | tation works design (2.3.15) | |
| | 69 | | 6-Aug-23 16-Oct-23 | 3 | 30-Apr-23 | ov-21 A | 05 | 62 |)5 | 105 | | 3.15.01 |
| | 69 | | 6-Aug-23 16-Oct-23 | 3 | 30-Apr-23 | ov-21 A | 80% 05 | 62 |)5 | 105 | 11kV/380V Power Transformers Design (2.3.15.01) | 05-3360 11 |
| | 69 | | 3-Apr-23 11-May-24 | | 08-May-23 | | | 70 | | 378 | | &IC Package 1 (Process Isla |
| 01-Mar-23, Ele | 78 | | 5-Aug-23 26-Aug-23 | | 01-Mar-23 | | | 2 | _ | 120 | Electric Heat Tracing (Process Island) (2.3.15.0.2.10) | |
| 28-Feb-23, Elec | 39 | | 1-May-24 11-May-24 6-Oct-23 16-Oct-23 | | 28-Feb-23 28-Feb-23 | • | | 0 | _ | 105 | Electrical Works - MCC Panels (2.3.15.02.01) Electrical Works - Process Island Uninterruptable Power Supply (UPS) (2.3.15.02.03) | . , , |
| 201 60 20, Elec | 66 | | 0-Nov-23 20-Nov-23 | | 28-Feb-23 | | | 0 | _ | 105 | Electrical Works E&I Installation at Yard (2.3.15.02.08) | . , |
| 03-Mar-23, | 62 | | 7-Nov-23 20-Nov-23 | | 03-Mar-23 | | | 4 | _ | 105 | Electrical Works Instrumentation (2.3.15.02.06) | . , |
| | 34 | | 3-Apr-23 11-Jun-23 | 23 | 08-May-23 | ul-21 A | 5% 12 | 70 | 05 | 105 | Electrical works CEMS and Process Analysers (2.3.15.02.07) | 05-7400-1(M55) El |
| | 34 | | 7-Apr-23 05-Jun-24 | 3 | 29-Mar-23 | ep-19 A | 16 | 30 | 73 | 773 | Island) (2.3.15.03) | &IC Package 2 (Power Island |
| | 58 | | 7-Apr-23 26-May-23 | | 29-Mar-23 | | | 30 | _ | 105 | Electrical Works Design (2.3.15.03.01 to 04) | , , |
| 28-Feb-23, Gene | 31 | | 6-Oct-23 16-Oct-23 | | 28-Feb-23 | | | 0 | _ | 105 | Generator Related Equipment (2.3.15.03.08) | , , |
| l 28-Feb-23, Instr | 43 64 | | 0-Jul-23 20-Jul-23 6-May-23 05-Jun-24 | | 28-Feb-23 | | | 0 | _ | 105 | Instrumentation works design(2.3.15.03.05 & 2.3.15.03.06) | |
| 1 28-Feb-23, Hard | 64 | | 5-Jun-24 05-Jun-24 | | 28-Feb-23 28-Feb-23 | | | 0 | | 530 105 | SCADA & PLC Control System (23.15.03.07) Hardware Design (2.3.15.03.07.01) | . |
| 28-Feb-23, Soft | 88 | | 6-May-23 26-May-23 | | 28-Feb-23 | | | 0 | _ | 105 | Software Design (2.3.15.03.07.02) | |
| | 59 | | 6-Mar-23 05-Jun-24 | | 12-Jun-23 | | | 105 | | 1630 | | peration Management Syste |
| I 28-Feb-23, OMS | 86 | | 1-Sep-23 01-Sep-23 | | 28-Feb-23 | | | 0 | 05 | 105 | OMS/SCADA/DCS - System Networks Details (2.3.15.04.02) | · · · · · · · · · · · · · · · · · · · |
| | 04 | | 7-Apr-24 05-Jun-24 | 3 | 28-Apr-23 | ec-20 A | 5% 09 | 60 | 05 | 105 | Software Standard Component | |
| 16-Mar-23 | 0 | | 6-Mar-23 14-May-23 | 23 | 14-May-23 | ar-23 | 0% 16 | 60 | 60 | 60 | Design of the Air Quality Monitoring Stations (2.9.03) | 05-4490 De |
| | 15 | | 1-Oct-23 16-Nov-23 | 3 | 15-Apr-23 | ep-18 A | 45% 05 | 47 |)5 | 105 | Automatic License Plate and Container Recoginition System (ALPCRS) | 05-7400(6E) Au |
| | 59 | | 1-Sep-23 05-Jun-24 | 3 | 12-Jun-23 | ec-21 A | 15 | 105 | 10 | 410 | | 2.3.15.04.03 |
| | 86 | | 1-Sep-23 01-Sep-23 | | 28-Feb-23 | | | 0 | _ | 105 | | 2.3.15.04.03.01 |
| 1 28-Feb-23, OMS | 86 | | 1-Sep-23 01-Sep-23 | | 28-Feb-23 | | | 0 | _ | 105 | OMS/SCADA/DCS - OLM Panel Design for Power Island (2.3.15.04.03.01.02) | . , |
| | 59 59 | | 2-Feb-24 05-Jun-24 | | 12-Jun-23 12-Jun-23 | | | 105 | _ | 105 | OMS/SCADA/DCS - Panel Design for Power Island and Plant Commom (2.3.15.04.03.02) | 2.3.15.04.03.02 |
| | 64 | | 2-Feb-24 05-Jun-24 5-Jun-24 05-Jun-24 | | 28-Feb-23 | - | | 105 0 | _ | 105 105 | | 05-3390-13(M58) OI 2.3.15.04.03.03 |
| 28-Feb-23, OMS | 64 | | 5-Jun-24 05-Jun-24 | | 28-Feb-23 | • | | 0 | _ | 105 | OMS/SCADA/DCS - Server Panel Design (2.3.15.04.03.03) | |
| | 86 | | 1-Sep-23 01-Oct-23 | | 29-Mar-23 | | | 30 | | 105 | | 2.3.15.04.06 |
| | 86 | | 1-Sep-23 01-Sep-23 | | 28-Feb-23 | ec-21 A | 80% 09 | 0 | 05 | 105 | Process Related 3rd Party System (2.3.15.04.06.01.01) | |
| | 86 | | 2-Sep-23 01-Oct-23 | | 29-Mar-23 | ct-21 A | 80% 06 | 30 |)5 | 105 | 3rd Party System for Power Island & Communication Data Tables for Process Vol 1 and Power Islan | |
| | 31 | | 8-May-23 16-Nov-23 | 3 | 30-Mar-23 | ul-21 A | 15 | 31 |)5 | 105 | | 3.15.05 |
| | 91 | | 0-May-23 27-Jun-23 | 3 | 28-Mar-23 | ay-22 A | 80% 07 | 29 |)5 | 105 | Balance of Plant LV Switchgear Design (2.3.15.05.01) | 05-3390-15(M55) Ba |
| | 89 | | 8-May-23 27-Jun-23 | 3 | 30-Mar-23 | an-22 A | 45% 04 | 31 | 05 | 105 | Package 3 (Balance of Plant) - Weighbridge Electrical & Instrumentation Package & ALPCRS (2.3. | 05-3390-16(M55) Pa |
| 28-Feb-23, Was | 09 | | 4-Sep-23 24-Sep-23 | | 28-Feb-23 | | | 0 | | 105 | Waste Crane Functional Description (23.15.05.08) | |
| 1 28-Feb-23, Elec | 10 | | 7-Jun-23 17-Jun-23 | | | ov-21 A | | 0 | _ | 105 | Electrical and Instrumentation Works Design - Compressed Air Plants (2.3. 15.05.03) | . , |
| l 28-Feb-23, Elec | 62 59 | | 6-Nov-23 16-Nov-23 2-Feb-24 05-Jun-24 | | 28-Feb-23 12-Jun-23 | - | | 0 | | 105 | Electrical and Instrumentation Works - Ash Crane (23.15.05.05) | 05-3390-5(M55) EI 3.15.07 |
| | 59 | | 2-Feb-24 05-Jun-24 | | 12-Jun-23 | | | 105 | | 105 | SCADA & PLC Control System - Software Design (2.3.15.07.02) | |
| | 59 | | 2-Feb-24 05-Jun-24 | | 12-Jun-23 | · . | | 105 | _ | 105 | SOADA & LO OUTIOTSYSTEIT - SOTIWATE Design (23.13.07.02) | 3.15.08 |
| | 59 | | 2-Feb-24 05-Jun-24 | | 12-Jun-23 | | | 105 | _ | 105 | Operation Management System (2.3.15.08) | |
| | 14 | | 5-Apr-23 13-Feb-24 | | 14-Jul-23 | <u> </u> | | 137 | _ | 1323 | | chanical works design (2.3.1 |
| | 14 | | 8-May-23 13-Feb-24 | 3 | 14-Jul-23 | eb-19A | 28 | 137 | 23 | 1323 | | lant and Equipment |
| 28-Feb-23, Elec | 09 | | 4-Sep-23 24-Sep-23 | 3 | 28-Feb-23 | an-20 A | 70% 07 | 0 | 05 | 105 | Electrical and Instrumentation Works - Waste Crane and Grapple System (2.3.15.05.04) | 05-3390-4(M55) EI |
| | 45 | | 1-Oct-23 31-Dec-23 | 3 | 30-Apr-23 | ar-22 A | 5% 30 | 62 |)5 | 105 | Weighbridge Systems | 05-3580 W |
| | 12 | | 0-Jun-23 16-Aug-23 | 3 | 26-Apr-23 | eb-19 A | 5% 28 | 58 | 05 | 105 | Incineration System (9 Packages) | 05-3610 In |
| | 14 | | 0-Sep-23 13-Feb-24 | 3 | 14-Jul-23 | ul-19 A | 5% 31 | 137 |)5 | 105 | Heat Recovery Boiler (8 Packages) | 05-3620 He |
| | 12 | | 7-Aug-23 16-Aug-23 | | 26-Apr-23 | | | 10 | _ | 105 | Boiler Feed Water Systems (4 Packages) | |
| | 79 | | 8-May-23 01-Oct-23 | | 14-Jul-23 | | | 137 | | 105 | Flue Gas Treatment System (12 Pack ages) | |
| | 49 | | 6-Aug-23 16-Aug-23 | | 29-Jun-23 | | | 0 | _ | 105 | Boiler ash and APC residue handling and solidification | |
| 28-Feb-23, Com | 71 73 | | 7-Aug-23 17-Aug-23 5-Apr-23 25-Sep-23 | | 28-Feb-23 14-Jul-23 | | | 0 137 | _ | 105 562 | Compressed Air Plants | 05-3830 Co rocess Pipeworks (Incl. Duc |
| | 73 | | 2-May-23 25-Sep-23 | | 14-Jul-23 | | | 137 | _ | 105 | Process island (furnace-boiler-FGC) | · · · |
| | 46 | | | | | | | 57 | | | | |
| I 28-Feb-23, Com | 71 | | 9-May-23 09-May-23 | | 28-Feb-23 | | | 0 | _ | 105 | Compressed Air Plant area | |
| I 28-Feb-23, Pipe | 03 | | 0-Jun-23 10-Jun-23 | 3 | 28-Feb-23 | eb-21 A | 5% 28 | 0 |)5 | 105 | Pipebridge B (Between CCCW Area & Turbine Hall) | 05-4370 Pi |
| I 28-Feb-23, Pipe | 03 | | 0-Jun-23 10-Jun-23 | 3 | 28-Feb-23 | eb-21 A | 5% 28 | 0 | 05 | 105 | Pipebridge C (Between Turbine Hall & ACC Equipment Yard) | 05-4380 Pi |
| I 28-Feb-23, Turb | 43 | | 0-Jul-23 20-Jul-23 | 3 | 28-Feb-23 | ay-21 A | 80% 31 | 0 |)5 | 105 | Turbine Hall | 05-4950 Tu |
| 1 28-Feb-23, ACC | 08 | | 5-Jun-23 15-Jun-23 | 3 | 28-Feb-23 | ay-21 A | 65% 31 | 0 |)5 | 105 | ACC Equipment Yard | |
| 28-Feb-23, CCC | 03 | | 0-Jun-23 10-Jun-23 | | 28-Feb-23 | | | 0 |)5 | 105 | CCCW Area | 05-4970 CC |
| | 31 | | 9-Jul-23 22-Sep-23 | | 14-May-23 | | | 76 | _ | 105 | support (For eqipment, piping & duct, cable tray etc) | |
| | | | | | | | | | _ | | | |
| l 28-Feb-23, Pipe | 81 | | 27-Aug-23 27-Aug-23 | 3 | 28-Feb-23 | ay-21 A | 5% 29 | 0 | J5 | 105 | Pipebridge B (Between CCCW Area & Iurbine Hall) | 15-3560 Pi |
| | 446 71 03 03 43 08 008 003 31 31 81 Vork | al Wo | 5-Apr-23 10-Jun-23 9-May-23 09-May-23 0-Jun-23 10-Jun-23 0-Jun-23 10-Jun-23 5-Jun-23 10-Jun-23 0-Jul-23 10-Jun-23 9-Jul-23 10-Jun-23 9-Jul-23 22-Sep-23 9-Jul-23 27-Aug-23 7-Aug-23 27-Aug-23 Actual | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 3 2 3 2 | 25-Apr-23 28-Feb-23 28-Feb-23 28-Feb-23 28-Feb-23 28-Feb-23 28-Feb-23 | eb-21 A ay-21 A eb-21 A ay-21 A ay-21 A ay-21 A ay-21 A ay-21 A ay-21 A | 5% 28 45% 31 5% 28 80% 31 65% 31 65% 31 65% 31 80% 28 80% 32 80% 28 | 57 0 0 0 0 0 0 0 | 05 05 05 05 05 05 05 05 05 05 05 05 | 105 105 105 105 105 105 105 105 | Pipe Rack C1, C2, C3, D1 & D2 (Prefab.3) Compressed Air Plant area Pipebridge B (Between CCCW Area & Turbine Hall) Pipebridge C (Between Turbine Hall & ACC Equipment Yard) Turbine Hall ACC Equipment Yard CCCW Area | 355-4350 Pi 355-4360 Co 355-4370 Pi 355-4370 Pi 355-4380 Pi 355-4380 Pi 355-4380 Pi 355-4380 Pi 355-4380 Pi 355-4390 Ai 355-43970 Co roccess steel structure support Co 35-3540 Pi 35-3560 Pi |

| | . EP/SP/66/12 lities, Phase 1 |
|---|---|
| 2 | 2023 Apr May |
| -Mar-23. B | 65 66 Berth design (2.2.22), Berth design (2.2.22), 19-Mar-23 |
| | |
| | |
| | |
| | 30-Apr-23, 11kV/380V Power Trans |
| ks - MCC I ks - Proce ks E&I Ins | Process Island) (2.3.15.02.10), Electric Heat Tracing (Process Island) (2.3 Panels (2.3.15.02.01), Electrical Works - MCC Panels (2.3.15.02.01), 28-F ss Island Uninterruptable Power Supply (UPS) (2.3.15.02.03), Electrical W tallation at Yard (2.3.15.02.08), Electrical Works E&I Installation at Yard (trumentation (2.3.15.02.06), Electrical Works Instrumentation (2.3.15.02.06) 08-May-23, Electrical works |
| ited Equipr n works de | 29-Mar-23, Electrical Works Design (2.3.15.03.01 to 04), Electrical Works ment (2.3.15.03.08), Generator Related Equipment (2.3.15.03.08), 28-Feb-2 sign(2.3.15.03.05 & 2.3.15.03.06), Instrumentation works design(2.3.15.03.0 03.07.01), Hardware Design (2.3.15.03.07.01), 28-Feb-23 |
| | 93.07.02), Software Design (2.3.15.03.07.02), 28-Feb-23 |
| DCS - Sys | tem Networks Details (2.3.15.04.02), OMS/SCADA/DCS - System Network |
| | 15-Apr-23, Automatic License Plate and Container Re |
| | |
| DCS - OLN | Panel Design for Power Island (2.3.15.04.03.01.02), OMS/SCADA/DCS - |
| | |
| DCS - Ser | ver Panel Design (2.3.15.04.03.03), OMS/SCADA/DCS - Server Panel Des |
| | ty System (2.3.15.04.06.01.01), Process Related 3rd Party System (2.3.15. 29-Mar-23, 3rd Party System for Power Island & Communication Data Table |
| unctional I Instrument | Mar-23, Balance of Plant LV Switchgear Design (2.3.15.05.01), Balance of 30-Mar-23, Package 3 (Balance of Plant) - Weighbridge Electrical & Instr Description (2.3.15.05.08), Waste Crane Functional Description (2.3.15.05. ation Works Design - Compressed Air Plants (2.3.15.06.03), Electrical an ation Works - Ash Crane (2.3.15.05.05), Electrical and Instrumentation Wo |
| | |
| Instrument | ation Works - Waste Crane and Grapple System (2.3.15.05.04), Electrical 30-Apr-23, Weighbridge Systems, 26-Apr-23, Incineration System (9 Packa |
| | 26-Apr-23, Boiler Feed Water Systems (|
| ir Plants, (| Com press ed Air Plants, 28-Feb-23 |
| | 25.4 pr 22 Dino Dook 01 02 02 D1 * D |
| Between C Between Tr urbine Hall nt Yard, AC | 25-Apr-23, Pipe Rack C1, C2, C3, D1 & D éa, Compressed Air Plant area, 28-Feb-23 (CCW Area & Turbine Hall), Pipebridge B (Between CCCW Area & Turbine Wrbine Hall & ACC Equipment Yard), Pipebridge C (Between Turbine Hall & 28-Feb-23 (C Equipment Yard, 28-Feb-23 a, 28-Feb-23 |
| Between C | 14-May-23, Pipe R CCW Area & Turbine Hall), Pipebridge B (Between CCCW Area & Turbine |
| | |

| REPPEL SEGRERS - 2010 NULLION | Activity Name | Original Duration | Remaining Duration | Activity % Complete | Current Start | Current Finish | Late Start Late Finish | Total Flo | Dat M63 Remarks | Integrated Was | Mar |
|---|--|----------------------|-----------------------|------------------------|--------------------------|------------------------|--|------------------------------------|---------------------|---|------------------------------------|
| 05-3570 | Pipebridge C (Between Turbine Hall & ACC Equipment Yard) | 105 | 0 | 5% | 10 Jun 21 A | 28-Feb-23 | 13-Sep-23 13-Sep-23 | 3 19 | 200 | 63 | 64 I 28-Feb-23, Pipebridge C (E |
| Equipment and piping insu | | 135 | 90 | 578 | | 28-May-23 | 23-Jul-23 13-Feb-24 | | | | |
| 05-4550 | Steam Turbine Generator (STG) and Pressure Reducing and Desuperheating Station (PRDS) | 105 | 0 | 5% | 30-Jan-22 A | 28-Feb-23 | 13-Feb-24 13-Feb-24 | 4 35 | 51 | | l 28-Feb-23, Steam Turbine |
| 05-4560 | Air cooled condenser | 105 | 0 | | | 28-Feb-23 | 23-Jul-23 23-Jul-23 | | - | | l 28-Feb-23, Air cooled cond |
| 05-4570 DDA Fire services installatio | Closed Circuit Cooling Water System | 105 60 | 60 60 | | 31-Dec-21 A 28-Feb-23 | 28-May-23 28-Apr-23 | 02-Dec-23 30-Jan-24 22-Apr-23 20-Jun-23 | | 47 53 | | |
| | Fire Systems | 60 | 60 | | 28-Feb-23 | 28-Apr-23 | 22-Apr-23 20-Jun-23 | | 53 | 28-Feb-23 | |
| 05-3680 | FS schematics | 60 | 60 | 0% | 28-Feb-23 | 28-Apr-23 | 22-Apr-23 20-Jun-23 | 8 5 | 53 | 28-Feb-23 | |
| · · · · | d Fire Saftey Strategy (2.3.25) | 667 | 60 | | | 28-Apr-23 | 09-Mar-23 20-Jun-23 | | 53 | | |
| | Process Building & Wastewater Treatment Plant ACC Equipment Structure | 60 60 | 30 30 | | | 29-Mar-23 | 22-May-23 20-Jun-23 22-May-23 20-Jun-23 | | 33 53 | | |
| 05-3310 | Turbine Hall Building | 105 | 33 | | | 01-Apr-23 | 19-May-23 20-Jun-23 | _ | 30 | | |
| 05-3320 | Compressor & CCCW Building | 105 | 30 | | | 29-Mar-23 | 22-May-23 20-Jun-23 | _ | 33 | | |
| 05-3330 | Chimney | 60 | 30 | | | 29-Mar-23 | 22-May-23 20-Jun-23 | | 33 | | |
| 05-3340 05-3350 | Elevated Drive Way and Associated Structures Reception Pavilion | 105 60 | 30 30 | | | 29-Mar-23 | 22-May-23 20-Jun-23 22-May-23 20-Jun-23 | | 33 | | |
| 05-3520 | Site Master Layout Plan and Plant Layout | 60 | 30 | | | 29-Mar-23 | 22-May-23 20-Jun-23 | | 33 | | |
| 05-4170 | Administration Building and Viewing Gallery (2.7.21) | 60 | 30 | 5% | 15-Dec-22 A | 29-Mar-23 | 22-May-23 20-Jun-23 | | 33 | | |
| 05-4290 | IW MF Substation (2.8.25) | 105 | 30 | | | 29-Mar-23 | 09-Mar-23 07-Apr-23 | | 9 | | |
| 05-4800 05-5160 | IWMF Site Wide Architectural Details Mechanical Treatment Plant & Water Treatment Plant (2.4.25) | 105 60 | 30 30 | | | 29-Mar-23 | 22-May-23 20-Jun-23 22-May-23 20-Jun-23 | | 33 | | |
| 05-6110(M46) | Gate House and miscellaneous | 60 | 60 | | 28-Feb-23 | 28-Apr-23 | 22-May-23 20-Jun-23 | | 53 | 28-Feb-23 | |
| DA Mechanical Treatment P | ant Building (2.4) | 271 | 120 | | 28-Sep-22 A | 27-Jun-23 | 13-Mar-23 20-Jul-23 | 2 | 23 | | |
| | Foundation design (2.4.13) | 60 | 15 | | | 14-Mar-23 | 21-Mar-23 04-Apr-23 | | 21 | | 14-Mar-2 |
| 05-5180 | Structural design (2.4.14) Fire services installation design (2.4.17) | 60 60 | 60 60 | | 28-Feb-23 28-Feb-23 | 28-Apr-23 | 13-Mar-23 11-May-23 | | 13 53 | 28-Feb-23 28-Feb-23 | |
| | cluding fire services installation design (2.4.17) | 90 | 90 | | 28-Feb-23 30-Mar-23 | 28-Apr-23 27-Jun-23 | 22-Apr-23 20-Jun-23 22-Apr-23 20-Jul-23 | | 23 | 28-Fe0-23 | |
| 05-3870 | Odour Control | 90 | 90 | | 30-Mar-23 | 27-Jun-23 | 22-Apr-23 20-Jul-23 | | 23 | | 30-N |
| DA Wastewater Treatment P | | 333 | 144 | | | 21-Jul-23 | 27-Mar-23 20-Sep-2 | | 61 | | |
| 05-3950 | Electrical and instrumentation works design (2.5.15) | 60 | 60 0 | | 28-Feb-23 | 28-Apr-23 | 27-Mar-23 25-May-23 | | 27 | 28-Feb-23 | L 00 Est 00 Masteriatur |
| 05-3960 05-3970 | Mechanical works design (2.5.16) (5 Packages) Fire services installation design (2.5.17) (2 Packages) | 232 60 | 60 | | 28-Feb-23 | 28-Feb-23 28-Apr-23 | 25-May-23 25-May-23 22-Apr-23 20-Jun-23 | | 37 53 | 28-Feb-23 | |
| | cluding fire services installation design) (2.5.18) | 90 | | | 24-Jun-22 A | | 29-Jun-23 20-Sep-2 | _ | 51 | | |
| 05-4000 | Odour Control | 90 | 84 | | 24-Jun-22 A | | 29-Jun-23 20-Sep-2 | | 51 | | |
| DA Water Treatment Plant E | | 362 | 89 | | | 27-May-23 | 13-Mar-23 19-Dec-2 | | | | |
| 05-4060 05-4070 | Foundation design (2.6.13) Structural design (2.6.14) | 60 60 | 15 60 | | | 14-Mar-23 | 21-Mar-23 04-Apr-23 13-Mar-23 11-May-23 | | 21 | | 14-Mar-2 |
| | Mechanical works design (2.6.16) | 90 | 0 | | | 28-Feb-23 | 22-Jun-23 22-Jun-23 | | | | 28-Feb-23, Mechanical wo |
| 05-4100 | Fire services installation design (2.6.17) | 60 | 60 | 0% | 28-Feb-23 | 28-Apr-23 | 22-Apr-23 20-Jun-23 | 5 5 | 53 | 28-Feb-23 | |
| | cluding fire services installation design) (2.6.18) | 90 | | | | | 22-Sep-23 19-Dec-2 | | | | |
| 05-4120 Electrical and instrumentation | MVAC | 90 238 | 89 0 | | | 27-May-23 28-Feb-23 | 22-Sep-23 19-Dec-23 20-Jul-23 20-Jul-23 | _ | 13 1 | | |
| 05-4080 | Water Treatment Plant (WTP) - Variable Speed Drive (2.6.15.01) | 238 | 0 | | | 28-Feb-23 | 20-Jul-23 20-Jul-23 | | | | I 28-Feb-23, Water Treatme |
| DA Administration Building | (2.7) | 398 | 125 | | 28-Apr-22 A | 02-Jul-23 | 04-Mar-23 09-Sep-2 | 3 6 | 69 | | |
| 05-4180 | Foundation design (2.7.11) | 105 | 0 | | | 28-Feb-23 | 15-Apr-23 15-Apr-23 | | 17 | 00 E 00 | 28-Feb-23, Foundation des |
| 05-4190 05-4210 | Structural design (2.7.12) Fire services installation design (2.7.14) | 105 60 | 105 60 | | 28-Feb-23 28-Feb-23 | 12-Jun-23 28-Apr-23 | 28-May-23 09-Sep-23 22-Apr-23 20-Jun-23 | - | 39 53 | 28-Feb-23 28-Feb-23 | |
| | cluding fire services installation design) (2.7.15) | 125 | 125 | | 28-Feb-23 | 02-Jul-23 | 04-Mar-23 04-Aug-23 | | 33 | | |
| 05-4220 | Electrical Services and Lighting | 75 | 75 | 0% | 28-Feb-23 | 13-May-23 | 04-Mar-23 17-May-2 | 3 | 4 Revsied to 75days | 28-Feb-23 | |
| 05-4230 | MVAC | 105 | 105 | | 20-Mar-23 | 02-Jul-23 | 23-Mar-23 05-Jul-23 | | 3 | | 20-Mar-23 🗖 |
| 05-4250 | Plumbing Drainage | 105 | 105 105 | | 28-Feb-23 28-Feb-23 | 12-Jun-23 12-Jun-23 | 22-Apr-23 04-Aug-23 | | 53 23 | 28-Feb-23 28-Feb-23 | |
| 05-4260 05-4270 | ELV | 105 | 105 | | 28-Feb-23 | 12-Jun-23 | 23-Mar-23 05-Jul-23 04-Mar-23 16-Jun-23 | | 4 | 28-Feb-23 | |
| DAIWMF Substation (2.8) | | 274 | 30 | | 16-Oct-21 A | 29-Mar-23 | 28-Feb-23 01-Aug-2 | | 25 | | |
| | Fire services installation design (2.8.17) | 60 | 5 | | 17-Jun-22 A | 04-Mar-23 | 28-Feb-23 04-Mar-23 | 3 | 0 | | Fire services installa |
| | cluding fire services installation design) (2.8.18) | 151 | 30 | | | 29-Mar-23 | 28-Feb-23 01-Aug-23 | _ | 25 | | |
| 05-4990 05-5000 | Electrical Services and Lighting MVAC | 90 | 30 30 | | | 29-Mar-23 | 06-May-23 04-Jun-23 04-Apr-23 03-May-23 | | 57 35 | | |
| 05-5010 | Plumbing | 60 | 5 | | | 04-Mar-23 | 28-Feb-23 04-Mar-23 | | 0 | | Plumbing, 04-Mar-23 |
| 05-5020 | Drainage | 60 | 5 | 0% | 10-Nov-22 A | 04-Mar-23 | 28-Feb-23 04-Mar-23 | 3 | 0 | | Drainage, 04-Mar-23 |
| 05-5030 | ELV | 90 | 30 | | | 29-Mar-23 | 03-Jul-23 01-Aug-23 | | | | |
| 05-5030-1 Electrical and instrumentation | Building Management System (BMS) | 60 90 | 5 30 | | | 04-Mar-23 29-Mar-23 | 28-Feb-23 04-Mar-23 04-Apr-23 03-May-23 | | 0 35 | | Building Managemer |
| 2.8.15.06 | | 90 | 30 | | | 29-Mar-23 29-Mar-23 | 04-Apr-23 03-May-23 | | 35 | | |
| 05-4320 | Electrical and instrumentation works design (2.8.15.06.01 to 40) | 90 | 30 | 45% | | 29-Mar-23 | 04-Apr-23 03-May-2 | | 35 | | |
| DA Chimney | | 90 | 90 | | 14-Mar-22 A | 28-May-23 | 08-May-23 05-Aug-2 | 3 6 | 69 | | |
| Month Rollir ge 5 of 14 | g Programme (February 2023) | | | | | | Act | maining V ual Work ical Rema | • | Actual MilestoneCritical Milestone | |

| ct No. EP/SP/66/12 Facilities, Phase 1 |
|--|
| 2023 Apr May |
| 65 66 |
| etween Tyrbine Hall & ACC Equipment Yard), Pipebridge C (Between Turbine Hall a |
| Generator;(STG) and Pressure Reducing and Desuperheating Station (PRDS), Stea enser, Air cooled condenser, 28-Feb-23 |
| |
| 28-Apr-23, Fire Systems |
| 28-Apr-23, FS schematics |
| 29-Mar-23, Process Building & Wastewater Treatment Plant, Process Building & 28-Apr-23, ACC Equipment Structure |
| 01-Apr-23, Turbine Hall Building, Turbine Hall Building, 01-Apr-23 29-Mar-23, Compressor & CCCW Building, Compressor & CCCW Buildin 29-Mar-23, Chimney, Chimney, 29-Mar-23 |
| 29-Mar-23, Elevated Drive Way and Associated Structures, Elevated Drive 29-Mar-23, Reception Pavilion, Reception Pavilion, 29-Mar-23 |
| 29-Mar-23, Site Master Layout Plan and Plant Layout, Site Master Layout P 29-Mar-23, Administration Building and Viewing Gallery (2.7.21), Adminis |
| 29-Mar-23, IW MF Substation (2.8.25), IW MF Substation (2.8.25), 29-Mar-2 29-Mar-23, IW MF Site Wide Architectural Details, IW MF Site |
| 29-Mar-23, Mechanical Treatment Plant & Water Treatment Plant (2.4.25), 28-Apr-23, Gate House and miscellar |
| 3, Foundation design (2.4.13), Foundation design (2.4.13), 14-Mar-23 |
| 28-Apr-23, Structural design (2.4.14) 28-Apr-23, Fire services installation of |
| ar-23 |
| 28-Apr-23, Electrical and instrumenta |
| ks design (2.5.16) (5 Packages), Mechanical works design (2.5.16) (5 Packages), 2 28-Apr-23, Fire services installation of |
| |
| 3, Foundation design (2.6.13), Foundation design (2.6.13), 14-Mar-23 |
| 28-Apr-23, Structural design (2.6.14), ks design (2.6.16), Mechanical works design (2.6.16), 28-Feb-23 28-Apr-23, Fire services installation of |
| 2 |
| t Plant (WTP) - Variable Speed Drive (2.6.15.01), Water Treatment Plant (WTP) - V |
| gn (2.7.11), Foundation design (2.7.11), 28-Feb-23 |
| 28-Apr-23, Fire services installation c |
| 13-May-23, Electric |
| |
| |
| ion design (2.8.17), 04-Mar-23, 04-Mar-23, Fire services installation design (2.8.17) |
| 29-Mar-23, Electrical Services and Lighting, Electrical Services and Lighti 29-Mar-23, MVAC, MVAC, 29-Mar-23 |
| 04-Mar-23, Plumbing 04-Mar-23, Drainage |
| 29-Mar-23, ELV, ELV, 29-Mar-23 System (BMS), 04-Mar-23, 04-Mar-23, Building Management System (BMS) |
| 29-Mar-23, Electrical and instrumentation works design (2.8.15.06.01 to 40 |
| i |

| | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Complete | Current Finish | Late Start | Late Finish | Total Float M63 Remarks | Feb 63 | N |
|---|--|----------------------|-----------------------|--------------------------------------|------------------------|------------|------------------------|-------------------------|------------------------|--------------------|
| 05-5370 | Structural Design | 90 | 90 | 5% 14-Mar-22 A | 28-May-23 | 08-May-23 | 05-Aug-23 | 69 | | |
| | d Associated Structures Foundation | 90 | | | 28-May-23 | · · | 01-Jul-23 | 34 | | |
| 05-5380 05-5540-3(6D) | Structural Design Fire services installation design | 90 60 | 90 60 | 0% 28-Feb-23 0% 28-Feb-23 | 28-May-23 28-Apr-23 | | 01-Jul-23 20-Jun-23 | 34 53 | 28-Feb-23 28-Feb-23 | - |
| DDA Reception Pavilion | | 90 | | | 28-May-23 | | 15-Aug-23 | 79 | | |
| 05-3280 | Foundation Design | 90 | 90 | 0% 28-Feb-23 | 28-May-23 | 03-May-23 | 31-Jul-23 | 64 | 28-Feb-23 | - |
| 05-5390 | Structural Design | 60 | 60 | 0% 28-Feb-23 | 28-Apr-23 | | 05-Jul-23 | 68 | 28-Feb-23 | |
| 05-5540-4(6D) | Fire services installation design excluding fire services installation design) | 60 90 | 60 90 | 0% 28-Feb-23 28-Feb-23 | 28-Apr-23 28-May-23 | | 20-Jun-23 | 53 79 | 28-Feb-23 | - |
| 05-2130-1 | Building Management System (BMS) | 90 | | 0% 28-Feb-23 | 28-May-23 | _ | 15-Aug-23 | 79 | 28-Feb-23 | _ |
| 05-7290 | Electrical Services and Lighting | 90 | | 0% 28-Feb-23 | 28-May-23 | | 15-Aug-23 | 79 | 28-Feb-23 | - |
| DDA CCCW Building | | 90 | | | 28-May-23 | | 20-Jun-23 | 23 | | |
| 05-5540-5(6D) | Fire services installation design | 60 | | 0% 28-Feb-23 | 28-Apr-23 | | 20-Jun-23 | 53 | 28-Feb-23 | |
| Building services design (05-2130-2 | excluding fire services installation design) Building Management System (BMS) | 90 60 | 90 60 | 28-Feb-23 0% 28-Feb-23 | 28-May-23 28-Apr-23 | | 04-Jun-23 04-Jun-23 | 37 | 28-Feb-23 | |
| 05-7340 | Electrical Services and Lighting | 90 | 90 | 0% 28-Feb-23 | 28-May-23 | | 04-Jun-23 | 7 | 28-Feb-23 | - |
| DDA Roadsand Utilities (2. | | 544 | 120 | 13-Jan-21 A | 27-Jun-23 | 05-Mar-23 | 27-Dec-24 | 549 | | |
| Sewerage design on the A | | 122 | 60 | | | 17-Jun-23 | 27-Dec-24 | 609 | | |
| 05-4440-1(M55) | Ship-to-shore Sewage Transfer System for WMF Vessels (Caisson 13) | 90 | | 45% 13-Jan-22 A | | | 27-Dec-24 | 665 | | 03-Mar-23, 8 |
| 05-4440-2(M55) Drainage system design of | Ship-to-shore Sewage Transfer System for Passenger Ferry n the Artificial Island (2.10.15) | 90 105 | 60 0 | 45% 13-Jan-21 A 31-Dec-21 A | · · | | 15-Aug-23 02-Dec-23 | 109 278 | | |
| 05-5320 | First Flush Drainage System concept | 105 | | | _ | | 02-Dec-23 | 278 | | l 28-Feb-23, First |
| Water supply system desig | n on the Artificial Island (2.10.16) | 301 | 120 | | | | 03-Jan-24 | 190 | | |
| 05-5290 | WaterTanks | 60 | 60 | 0% 29-Apr-23 | 27-Jun-23 | 09-May-23 | 07-Jul-23 | 10 | | |
| 05-5300 | External FS Systems | 60 | 60 | 0% 28-Feb-23 | 28-Apr-23 | | 07-Jul-23 | 70 | 28-Feb-23 | |
| 05-5300-1(M24) | E&M system for seawater intake (2.10.16.07) ion and other utilities (2.10.18) | 105 302 | 75 90 | 5% 04-Apr-22 A 10-May-22 A | - | | 03-Jan-24 31-Oct-23 | 235 156 | | |
| 05-3400 (M21) | Computerised Maintenance Management System (CMMS) (2.10.18.10) | 105 | 30 | 80% 24-May-22 A | - | | 19-May-23 | 51 | | |
| 05-3410 (M21) | Information and Document Management System (IDMS) (2.10.18.11) | 105 | 60 | 45% 10-May-22 A | | · | 31-Oct-23 | 186 | | - |
| 05-4590 | Site Lighting Concept / Schematics | 90 | 90 | 0% 28-Feb-23 | 28-May-23 | 09-Apr-23 | 07-Jul-23 | 40 | 28-Feb-23 | |
| 05-4610 | Site ELV Network System - Communications System concept / schematics | 75 | 30 | 5% 16-Aug-22 A | | · · | 08-May-23 | 40 | | - |
| 05-4620 | Site ELV Network System - Security Systems concept / schematics | 75 | 30 | 5% 14-Jun-22 A | | · · | 08-May-23 | 40 | | |
| 05-4630 05-4640 | Site ELV Network System - Navigation aids concept / schematics Microwave transmission of FS direct link | 60 105 | 60 30 | 0% 06-Mar-23 70% 22-Aug-22 A | 04-May-23 | | 08-May-23 03-Apr-23 | 5 | U6-1 | Mar-23 |
| | s and Landscaping Works (2.11) | 349 | | | 12-Jun-23 | | 15-Jul-24 | 399 | | - |
| External and internal finisl | hes design | 251 | 90 | 15-Jun-21 A | 28-May-23 | 28-Feb-23 | 15-Jul-24 | 414 | | |
| 05-4670 | External and internal finishes design for Incineration Plant Building (2.11.15) | 90 | | 5% 19-Sep-22 A | · · | | 07-Apr-24 | 345 | | [|
| 05-4690 05-4700 | External and internal finishes design for Turbine Hall Building External and internal finishes design for CCCW Building | 90 90 | 9 | 45% 10-Aug-22 A 45% 10-Aug-22 A | | | 02-Nov-23 16-Apr-23 | 239 39 | | 08-Ma |
| 05-4710 | External and internal finishes design for Chimney | 90 | 62 | 5% 02-Sep-22 A | | | 26-May-24 | 392 | | |
| 05-4720 | External and internal finishes design for Reception Pavilion | 90 | 60 | 45% 23-May-22 A | | | 04-Aug-23 | 68 | | |
| 05-4760 | External and internal finishes design for the Administration Building (2.11.19) | 90 | 60 | 5% 11-Jul-22 A | 08-May-23 | 17-May-24 | 15-Jul-24 | 434 | | |
| 05-4770 | External and internal finishes design for the IWMF Substation (2.11.20) | 90 | 5 | 75% 10-Aug-22 A | | | 04-Mar-23 | 0 | | External a |
| 05-5420 | External and internal finishes design for Elevated Driveway | 90 | 60 1 05 | 45% 15-Jun-21 A 29-Jun-22 A | - | | 01-Aug-23 | 95 | | |
| Landscaping Works (2.11.2 05-4780 | Landscape Masterplan & Landscape Design for Water Feature (2.11.19.01) | 121 105 | 105 105 | 5% 26-Jan-23 A | | | 21-Jun-23 21-Jun-23 | 9 | | |
| 05-4780-1(6C) | Landscape Architectural Design for Turbine Hall Building (2.11.19.04) | 105 | 105 | 45% 29-Jun-22 A | | | 21-Jun-23 | 9 | | - |
| 05-4780-2(6C) | Landscape Architectural Design for Reception Pavilion (2.11.19.07) | 105 | 105 | 5% 19-Oct-22 A | 12-Jun-23 | 09-Mar-23 | 21-Jun-23 | 9 | | |
| 05-4780-3(6C) | Landscape Architectural Design for MT Plant Building and Water Treatment Plant Building (2.11.07. | 105 | 105 | 0% 28-Feb-23 | 12-Jun-23 | | 21-Jun-23 | 9 | 28-Feb-23 | |
| 05-4780-4(6C) | Landscape Architectural Design for Administration Building (2.11.07.09) | 105 | 105 | 5% 12-Jan-23 A | | | 21-Jun-23 | 9 | | |
| 05-4780-5(6C) 05-4780-6(6C) | Landscape Architectural Design for IWMF Substation (211.07.10) Landscape Architectural Design for Process Building (2.11.07.11) | 105 105 | 105 105 | 5% 11-Jul-22 A 5% 10-Aug-22 A | | | 21-Jun-23 21-Jun-23 | 9 | | |
| Facade Structural Design | | 275 | | | | | 14-Feb-24 | 292 | | |
| 05-8010(M45) | IW MF Substation | 90 | | 0% 11-Jul-22 A | | 04-Mar-23 | 28-Mar-23 | 4 | | - |
| 05-8020(6D) | Process Building & Wastewater Treatment Plant (2.6.14.01) | 90 | 60 | 80% 07-Apr-22 A | | _ | 14-Feb-24 | 292 | | |
| DA Testing and Commissi | | 122 | | | 30-May-23 | | 29-Jan-24 | 244 | | |
| 05-4810-1(5a) 05-4810-2(M55) | Factory Acceptance Testing plan (2.12.09.02-07) (8 Packages) FAT of DCS - Software SIL FAT Plant for Process Island (2.12.09.03.01) | 90 105 | 32 10 | 5% 13-Jun-22 A 100% 19-May-22 A | | | 29-Jan-24 01-Sep-23 | 244 176 | | 09-N |
| . , | es for the Operation (2.13) | 341 | | | 31-May-23 | | 10-Jul-23 | 40 | | |
| 05-4850 | Design of vehicles for MSW and Ash and Residues delivery (2.13.05) | 341 | 93 | 0% 25-Jun-22 A | | | 10-Jul-23 | 40 | | |
|)5-4860 | Design of marine vessels for the use of the Employer and visitors (2.13.06) | 93 | | 0% 28-Feb-23 | - | | 10-Jul-23 | 40 | 28-Feb-23 | |
| DA Auxiliary Plant System | | 90 | | | 15-Mar-23 | | 16-Mar-23 | 1 | | |
| 05-4940-3(6E) | EOTC System (2.16.11) | 90 981 | 16 369 | 5% 26-Apr-22 A | 15-Mar-23 02-Mar-24 | | 16-Mar-23 02-Jul-24 | 1 | | - |
| ocurement of Major | | | | | | | | | | |
| f-site Fabrication of In aterial Procurement | | 981 180 | 369 60 | 28-Feb-21 A | 02-Mar-24 28-Apr-23 | | 21-Apr-24 16-Sep-23 | 50 141 | | |
| alona i rocarement | | 160 | 00 | 201 60-21 A | 20 Apr 20 | | | | | I |
| | ng Programme (February 2023) | | | | | | L Rom | aining Work | Actual Milestone | |

| | . EP/SP/66/12 lities, Phase 1 | 最時保護署 Environmental Protection Department |
|---------------|----------------------------------|--|
| | Apr | May |
| | 65 | 66 2 |
| | · | |
| | 4 | 2 |
| | | 28-Apr-23, Fire services installation d |
| | | |
| | | 28-Apr-23, Structural Design |
| | ý | 28-Apr-23, Fire services installation d |
| | | |
| | 4 | 2 |
| | J | 2 |
| | <u>.</u> | 28-Apr-23, Fire services installation d |
| | | |
| | | 28-Apr-23, Building Management Sys |
| | | 2 |
| | ; ; ; | |
| ore Sewag | ge Transfer System for IWMF | Vessels (Caisson 13), Ship-to-shore Sewage |
| | | 28-Apr-23, Ship-to-shore Sewage Tra |
| | | |
| mage Sys | qeni concept, First Flush Drai | nage System concept, 28-Feb-23 |
| | 29-Apr | -23 |
| | | 28-Apr-23, External FS Systems |
| | | 13-May-23, E&M sy |
| | | |
| | 29-Mar-23, Computerised Mai | ntenance Management System (CMMS) (2.1 28-Apr-23, Information and Document |
| | | 20,000 20,000 20,000 20 |
| | 29-Mar-23, Site ELV Network | System - Communications System concept / |
| | 29-Mar-23, Site ELV Network | System - Security Systems concept / schem |
| | 29 Mar 22 Microwayo transm | 04-May-23, Site ELV Network sission of FS direct link, Microwave transmiss |
| | | |
| | | |
| | - | 28-Apr-23, External and internal finish |
| | | oine Hall Building, External and internal finish CW Building, External and internal finishes de |
| | | 30-Apr-23, External and internal fini |
| | | 2 |
| | | 08-May-23, External and i |
| finishes d | esign for the IWMF Substation | n (2.11.20), 04-Mar-23, 04-Mar-23, External ar |
| | | 28-Apr-23, External and internal finish |
| | | |
| | 1 | |
| | ······ | |
| | | |
| | | |
| | | |
| - | | |
| 2 4-Ma | r-23, IWMF Substation, IWMF | Substation, 24-Mar-23 |
| | | 28-Apr-23, Process Building & Waste |
| | ; ; | |
| of DCS - | Software SIL FAT Plant for P | rocess Island (2.12.09.03.01), FAT of DCS - S |
| | | |
| | | |
| | | |
| 23, EOTO | System (2.16.11), EOTC Sys | tem (2.16.11), 15-Mar-23 |
| | | |
| | <u>.</u> | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | Activity Name | Original Duration | Remaining Duration | Activity % Complete | Current Start | Current Finish | Late Start La | te Finish | Total Float M63 Remarks | Feb 63 | |
|--|---|----------------------|-----------------------|------------------------|--------------------------|-------------------------|----------------------------|-----------|-------------------------|-------------------------|-------------------------------|
| 6-1000-3(1) | Electrical and Instrumentation Material Submission and Approval | 180 | 60 | 58% | 28-Feb-21 A | 28-Apr-23 | 19-Jul-23 1 | 6-Sep-23 | 141 | 63 | |
| brication of Module (TP | U) | 859 | 369 | | | 02-Mar-24 | 04-Dec-22 2 | | 50 | | |
| Fab 1- Line 1 E&I Installation (On-site I | | 463 346 | 251 189 | | | 05-Nov-23 | 28-Feb-23 0 01-May-23 0 | | 0 | | |
| Electrical | | 183 | 183 | | | 30-Oct-23 | 01-May-23 3 | | 0 | | |
| 06-TPU-1-1280 | PFab 1-Line 1 - Electrical Cable Pulling and Term ination | 180 | 180 | 0% | 04-May-23 | 30-Oct-23* | 04-May-23 3 | | 0 | | |
| 06-TPU-1-1290 | PFab 1-Line 1 - Electrical Equipment Installation | 180 | 180 | | 01-May-23* | 27-Oct-23 | 01-May-23 2 | | 0 | | |
| Instrument 06-TPU-1-1310 | PFab 1-Line 1 - Instrument Cable Pulling and Termination | 346 180 | 182 180 | | 25-Nov-22 A 10-May-23 | 05-Nov-23 05-Nov-23 | 08-May-23 0 | | 0 | | |
| 06-TPU-1-1310 | PFab 1-Line 1 - Instrument Cable Pulling and remmation | 180 | 101 | | | 16-Aug-23 | 10-May-23 0 08-May-23 1 | | 0 | | |
| 06-TPU-1-1330 | PFab 1-Line 1 - Instrument Tubing Installation | 180 | 180 | | 08-May-23 | 03-Nov-23 | 08-May-23 0 | | 0 | | |
| nsulation | | 150 | 233 | | | 18-Oct-23 | 28-Feb-23 1 | | 0 | | |
| 06-TPU-1-1020 | PFab 1-Line 1 - Insulation | 150 | 233 | | | 18-Oct-23* | 28-Feb-23 1 | | 0 | | |
| Fab 1- Line 2 | | 425 188 | 232 188 | | 22-May-22 A 25-Mar-23 | 17-Oct-23 28-Sep-23 | 14-Dec-22 1 25-Mar-23 2 | | 0 | | |
| Electrical | | 188 | 188 | | 25-Mar-23 | 28-Sep-23 | 25-Mar-23 2 | · · | 0 | | |
| 06-TPU-2-1270 | PFab 1-Line 2 - Electrical Cable Pulling and Term ination | 180 | 180 | 0% | 02-Apr-23 | 28-Sep-23 | 02-Apr-23 2 | 8-Sep-23 | 0 | | |
| 06-TPU-2-1280 | PFab 1-Line 2 - Electrical Equipment Installation | 180 | 180 | | 25-Mar-23 | 20-Sep-23 | 25-Mar-23 2 | | 0 | | |
| nstrument 06-TPU-2-1300 | PEab 1 Line 2 Instrument Cable Dulling and Termination | 188 | 188 | | 25-Mar-23 | 28-Sep-23 | 25-Mar-23 2 | | 0 | | |
| 06-TPU-2-1300 06-TPU-2-1310 | PFab 1-Line 2 - Instrument Cable Pulling and Termination PFab 1-Line 2 - Instrument Equipment Installation | 180 180 | 180 180 | | 02-Apr-23 25-Mar-23 | 28-Sep-23* 20-Sep-23 | 02-Apr-23 2 25-Mar-23 2 | | 0 | | |
| 06-TPU-2-1320 | PFab 1-Line 2 - Instrument Tubing Installation | 180 | 180 | | 25-Mar-23 | 20-Sep-23 | 25-Mar-23 2 | | 0 | | |
| sulation | | 150 | 232 | | | 17-Oct-23 | 28-Feb-23 1 | | 0 | | |
| 6-TPU-2-1010 | PFab 1-Line 2 - Insulation | 150 | 232 | | | 17-Oct-23 | 28-Feb-23 1 | | 0 | | |
| oad out & Shipping | DEat 1 line 0. Load at 8 reacture abia | 20 20 | 9 | | | 08-Mar-23 08-Mar-23 | 14-Dec-22 2 | | -76 -76 | | |
| 06-TPU-2-1030 elivery | PFab 1-Line 2 - Load out & ready to ship | 20 | 9 | | 24-Feb-23 A 09-Mar-23 | 08-Mar-23 | 14-Dec-22 2 23-Dec-22 2 | | -76 | 4-Feb-23 A, 24-Feb-23 A | PFa |
| 6-TPU-2-1340 | PFab 1-Line 2 - Delivery | 1 | 1 | | 09-Mar-23 | 09-Mar-23 | 23-Dec-22 2 | | -76 | |) <mark>9-Mar-23 🛽 0</mark> 9 |
| ab 1- Line 3 | | 453 | 304 | | 14-Jan-22 A | 28-Dec-23 | 04-Dec-22 2 | 8-Dec-23 | 0 | | |
| tructure Erection | | 117 | 27 | | | 26-Mar-23 | 04-Jan-23 3 | | -55 | | |
| 06-TPU-3-1090 06-TPU-3-1100 | PFab 1-Line 3 - Top Floor(EL47.22m~EL54.47m) Prim ary & Secondary Steel Structure Erection PFab 1-Line 3 - Tertiary Structure Erection | 39 90 | 11 27 | | - | 10-Mar-23 26-Mar-23 | 13-Jan-23 2 04-Jan-23 3 | | -46 -55 | | F |
| echanical Erection | | 421 | 56 | | | 24-Apr-23 | 06-Dec-22 3 | | -84 | | |
| 06-TPU-3-1120 | PFab 1-Line 3 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate) | 80 | 47 | | | 15-Apr-23 | 15-Dec-22 3 | | -75 | | - |
| 06-TPU-3-1130 | PFab 1-Line 3 - Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator) | 80 | 56 | 30% | 13-May-22 A | 24-Apr-23 | 06-Dec-22 3 | 0-Jan-23 | -84 | | |
| 6-TPU-3-1140 | PFab 1-Line 3 - Mechanical Installation - 3rd Floor(EL26.72m~EL37.72m) (Including Boiler Ash Tra | 80 | 45 | | | 24-Apr-23 | 17-Dec-22 3 | | -84 | | |
| 06-TPU-3-1150 iping Installation | PFab 1-Line 3 - Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts) | 56 119 | 56 58 | | 28-Feb-23* | 24-Apr-23 26-Apr-23 | 06-Dec-22 3 | | -84 | 28-Feb-23* | |
| 06-TPU-3-1000 | PFab 1-Line 3 - Piping Installation | 119 | 58 | | | 26-Apr-23 | 04-Dec-22 3 | | -86 | | |
| &I Installation | | 117 | 58 | | | 26-Apr-23 | 04-Dec-22 3 | | -86 | | |
| 16-TPU-3-1250 | PFab 1-Line 3 - E&I Support Installation | 45 | 58 | 0% | 02-Dec-22 A | 26-Apr-23 | 04-Dec-22 3 | 0-Jan-23 | -86 | | |
| 6-TPU-3-1260 | PFab 1-Line 3 - E&I Cable Ladder Erection | 45 | 58 | | | 26-Apr-23 | 04-Dec-22 3 | | -86 | | |
| Electrical 06-TPU-3-1290 | PFab 1-Line 3 - Electrical Heat Tracing Installation (Installation by Yard) | 26 26 | 26 26 | | 01-Apr-23 01-Apr-23* | 26-Apr-23 26-Apr-23 | 05-Jan-23 3 05-Jan-23 3 | | -86 -86 | | |
| 06-TPU-3-1330 | PFab 1-Line 3 - MCC room installation (Installation by Yard) | 25 | 25 | | 02-Apr-23* | 26-Apr-23 | 06-Jan-23 3 | | -86 | | |
| sulation | | 150 | 304 | | | 28-Dec-23 | 28-Feb-23 2 | | 0 | | |
| 06-TPU-3-1010 | PFab 1-Line 3 - Insulation | 150 | 304 | | | 28-Dec-23* | 28-Feb-23 2 | | 0 | | |
| bad out & Shipping | DEab 1 Jine 2 Load aut 9 ready to a bin | 20 | 20 | | 27-Apr-23 | 16-May-23 | 31-Jan-23 1 | | -86 | | |
| 06-TPU-3-1030 elivery | PFab 1-Line 3 - Load out & ready to ship | 20 10 | 20 10 | | 27-Apr-23* 17-Mav-23 | 16-May-23 26-May-23 | 31-Jan-23 1 20-Feb-23 0 | | -86 -86 | | |
| 6-TPU-3-1340 | PFab 1-Line 3 - Delivery | 10 | 10 | | 17-May-23 | 26-May-23 | 20-Feb-23 0 | | -86 | | |
| ab 1- Line 4 | | 703 | 304 | | | 28-Dec-23 | 04-Dec-22 2 | | 0 | | |
| tructure Erection | | 90 | 29 | | | 28-Mar-23 | 09-Jan-23 0 | | -50 | | |
| 6-TPU-4-1150 | PFab 1-Line 4 - Tertiary Structure Erection | 90 | 29 53 | | • | 28-Mar-23 | 09-Jan-23 0 | | -50 | | |
| echanical Erection 6-TPU-4-1040 | PFab 1-Line 4 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate) | 424 80 | 53 53 | | | 21-Apr-23 21-Apr-23 | 04-Dec-22 2 04-Dec-22 2 | | -86 -86 | | |
| 6-TPU-4-1050 | PFab 1-Line 4 - Mechanical Installation - 2nd Floor (EL20.47m~EL26.72m) (Including Deareator) | 80 | 53 | | | 21-Apr-23 | 04-Dec-22 2 | | -86 | | |
| 6-TPU-4-1060 | PFab 1-Line 4 - Mechanical Installation - 3rd Floor(EL26.72m~EL37.72m) (Including Boiler Ash Tra | 80 | 53 | 33.75% | 06-May-22 A | 21-Apr-23 | 04-Dec-22 2 | 5-Jan-23 | -86 | | |
| 6-TPU-4-1070 | PFab 1-Line 4 - Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts) | 40 | 40 | | | 21-Apr-23 | 17-Dec-22 2 | | -86 | | 13-Mar-23* |
| 6-TPU-4-1240 | PFab 1-Line 4 - Mechanical Installation - Boiler Lifting & Installation | 108 | 35 13 | | 05-Jul-22 A | 03-Apr-23 12-Mar-23 | 04-Dec-22 0 | | -86 | | |
| iping Fabrication 6-TPU-4-1220 | PFab 1-Line 4 - Piping Fabrication | 180 180 | 13 | | | 12-Mar-23 12-Mar-23 | 04-Dec-22 1 04-Dec-22 1 | | -86 -86 | | |
| iping Installation | | 62 | 13 | | | 03-May-23 | 25-Jan-23 0 | | -86 | | |
| 06-TPU-4-1000 | PFab 1-Line 4 - Piping Installation | 62 | 13 | | | 03-May-23 | 25-Jan-23 0 | | -86 | | |
| &I Installation | | 52 | 52 | | 13-Mar-23 | 03-May-23 | 17-Dec-22 0 | | -86 | | |
| 6-TPU-4-1250 | PFab 1-Line 4 - E&I Support Installation | 45 | 45 | 0% | 13-Mar-23* | 26-Apr-23 | 17-Dec-22 3 | 0-Jan-23 | -86 | | 13-Mar-23* |

♦ Milestone

| Facil | . EP/SP/66/12 lities, Phase 1 |
|----------------------|---|
| 2 | 2023 Apr May 65 66 |
| | 28-Apr-23, Electrical and Instrumenta |
| | |
| | |
| | 04-May-23 |
| | 01-May-23* |
| | 10-May-23 |
| | |
| | 08-May-23 |
| | |
| | |
| | |
|)2-Apr-23 | |
| | |
|)2-Apr-23 | |
| | |
| | |
| | |
| Load out & | ready to ship, 08-Mar-23, 08-Mar-23, PFab 1-Line 2 - Load out & ready to : |
| ab 1-Line 2 | - Delivery |
| | |
| | or(EL47.22m~EL54.47m) Prim ary & Secondary Steel Structure Erection, 1 |
| P⊦a | b 1-Line 3 - Tertiary Structure Erection, 26-Mar-23, 26-Mar-23, PFab 1-Line |
| | PFab 1-Line 3 - Mechanical Installation - 1st Floor (Be PFab 1-Line 3 - Mechanical Installation - 2 PFab 1-Line 3 - Mechanical Installation - 3 24-Apr-23, PFab 1-Line 3 - Mechanical Installation |
| | PFab 1-Line 3 - Piping Installation, 26-A |
| | PFab 1-Line 3 - E&I Support Installation, PFab 1-Line 3 - E&I Cable Ladder Erecti |
| Apr-23* 2-Apr-23* | 26-Apr-23, PFab 1-Line 3 - Electrical He 26-Apr-23, PFab 1-Line 3 - MCC room ir |
| | |
| | |
| | 27-Apr-23* 16-May-23, PFa |
| | 17-May-23 26- |
| PI | Fab 1-Line 4 - Tertiary Structure Erection, 28-Mar-23, 28-Mar-23, PFab 1-L |
| | PFab 1-Line 4 - Mechanical Installation - 1st F PFab 1-Line 4 - Mechanical Installation - 2nd F |
| | PFab 1-Line 4 - Mechanical Installation - 3rd F 21-Apr-23, PFab 1-Line 4 - Mechanical Installat PFab 1-Line 4 - Mechanical Installation - Boiler Lifting & Installation, |
| e 4 - Pipin | g Fabrication, 12-Mar-23, 12-Mar-23, PFab 1-Line 4 - Piping Fabrication |
| | PFab 1-Line 4 - Piping Installati |
| | 26-Apr-23, PFab 1-Line 4 - E&I Support |
| | |

| | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Complete | Current Finish | Late Start | Late Finish | Total Float M63 Remarks | Feb | Ma |
|--|---|----------------------|-----------------------|--------------------------------------|------------------------|------------------------|------------------------|-------------------------|------------|-----------------|
| 06-TPU-4-1260 | PFab 1-Line 4 - E&I Cable Ladder Erection | 45 | 45 | 0% 20-Mar-23 | 03-May-23 | 24-Dec-22 | 06-Feb-23 | -86 | 63 | 64 20-Mar-2 |
| Electrical | | 26 | 26 | 08-Apr-23 | 03-May-23 | 12-Jan-23 | 06-Feb-23 | -86 | | |
| 06-TPU-4-1290 | PFab 1-Line 4 - Electrical Heat Tracing Installation (Installation by Yard) | 26 | 26 | 0% 08-Apr-23* | 03-May-23 | 12-Jan-23 | 06-Feb-23 | -86 | | |
| 06-TPU-4-1330 | PFab 1-Line 4 - MCC room installation (Installation by Yard) | 25 | 25 | 0% 09-Apr-23* | 03-May-23 | 13-Jan-23 | 06-Feb-23 | -86 | | |
| nsulation | | 150 | 304 | 25-May-22 A | 28-Dec-23 | 28-Feb-23 | 28-Dec-23 | 0 | | |
| 06-TPU-4-1010 | PFab 1-Line 4 - Insulation | 150 | 304 | 0% 25-May-22 A | 28-Dec-23 | 28-Feb-23 | 28-Dec-23 | 0 | | |
| oad out & Shipping | | 20 | 20 | 04-May-23 | 23-May-23 | | 26-Feb-23 | -86 | | |
| 06-TPU-4-1030 | PFab 1-Line 4 - Load Out & ready to ship | 20 | 20 | 0% 04-May-23* | 23-May-23 | | 26-Feb-23 | -86 | | |
| Delivery | | 10 | 10 | 24-May-23 | 02-Jun-23 | | 08-Mar-23 | -86 | | |
| 06-TPU-4-1340 | PFab 1-Line 4 - Delivery | 10 | 10 | 0% 24-May-23 | 02-Jun-23 | | 08-Mar-23 | -86 | | |
| Fab 1- Line 5 | | 742 | 369 | 23-Mar-21 A | _ | | 21-Apr-24 | 50 | | |
| Structure Erection | | 482 | 126 | 14-Jan-22 A | | | 09-Apr-23 | -85 | | |
| 06-TPU-5-1110 | PFab 1-Line 5 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection | 60 | 10 | 83.33% 12-Mar-22 A | | | 14-Dec-22 | -85 | | |
| 06-TPU-5-1120 | PFab 1-Line 5 - 3rd Floor(EL26.72m~EL37.72m)Primary & Secondary Steel Structure Erection | 60 | 16 | 73.33% 02-Dec-22 A | | | 20-Dec-22 | -85 | | |
| 06-TPU-5-1130 | PFab 1-Line 5 - 4th Floor(EL37.72m~EL47.22m) Primary & Secondary Steel Structure Erection | 60 | 11 | 81.67% 16-Dec-22 A | · · | | 22-Jan-23 | -85 | | |
| 06-TPU-5-1140 | PFab 1-Line 5 - Top Floor(EL47.22m~EL54.47m) Primary & Secondary Steel Structure Erection | 77 | 77 | 0% 18-Apr-23 | 03-Jul-23 | | 09-Apr-23 | -85 | | |
| 06-TPU-5-1150 | PFab 1-Line 5 - Tertiary Structure Erection | 90 | 69 | 23.33% 14-Jan-22 A | | | 07-Apr-23 | -66 | | |
| Achanical Erection | | 483 | 118 | 02-Mar-22 A | | | 01-Apr-23 | -85 | | |
| 06-TPU-5-1040 | PFab 1-Line 5 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate) | 80 | 88 | 0% 02-Mar-22 A | | | 02-Mar-23 | -85 | | Max 00t |
| 06-TPU-5-1050 | PFab 1-Line 5 - Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator) | 80 | 80 | 0% 08-Mar-23* | 26-May-23 | | 02-Mar-23 | -85 | | Mar-23* |
| 06-TPU-5-1060 | PFab 1-Line 5 - Mechanical Installation - 3rd Floor(EL26.72m~EL37.72m) (Including Boiler Ash Tra | 80 | 80 | 0% 07-Apr-23 | 25-Jun-23 | | 01-Apr-23 | -85 | | |
| 06-TPU-5-1070 | PFab 1-Line 5 - Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts) | 80 | 80 | 0% 07-Apr-23 | 25-Jun-23 | | 01-Apr-23 | -85 | E-t- 20 A | |
| 06-TPU-5-1240 | PFab 1-Line 5 - Mechanical Installation - Boiler Lifting & Installation | 80 | 109 | 0% 12-Feb-23 A | | | 23-Mar-23 | -85 | I-Feb-23 A | |
| Piping Fabrication | DEsk 4 Line 5 - Divise Eskelenting | 180 | 1 | 23-Mar-21 A | | | 05-Dec-22 | -85 | | DE-h 4 Line E |
| 06-TPU-5-1220 | PFab 1-Line 5 - Piping Fabrication | 180 | 1 | 99.44% 23-Mar-21 A | | | 05-Dec-22 | -85 | | PFab 1-Line 5 - |
| Piping Installation 06-TPU-5-1000 | PEch 1 Line E. Dising Installation | 121 | 121 121 | 03-Mar-23 0% 03-Mar-23 | 01-Jul-23 01-Jul-23 | | 07-Apr-23 | -85 -85 | 03-Mar-2 | |
| | PFab 1-Line 5 - Piping Installation | 121 | | | | | 07-Apr-23 | | 03-1441-2 | |
| &I Installation 06-TPU-5-1250 | PFab 1-Line 5 - E&I Support Installation | 52 45 | 52 45 | 11-May-23 0% 11-May-23* | 01-Jul-23 24-Jun-23 | | 07-Apr-23 31-Mar-23 | -85 -85 | | |
| 06-TPU-5-1260 | PFab 1-Line 5 - E&I Cable Ladder Erection | 43 | 45 | 0% 11-May-23 | 01-Jul-23 | | 07-Apr-23 | -85 | | |
| | | 43 26 | 45 26 | 0% 18-May-23 | 01-Jul-23 | | 07-Apr-23 | -85 | | |
| Electrical 06-TPU-5-1290 | PFab 1-Line 5 - Electrical Heat Tracing Installation (Installation by Yard) | 26 | 26 | 0% 06-Jun-23* | 01-Jul-23 | | 07-Apr-23 07-Apr-23 | -85 | | |
| 06-TPU-5-1330 | PFab 1-Line 5 - MCC room installation (Installation by Yard) | 26 25 | 20 | 0% 06-Jun-23* | 01-Jul-23 | | 07-Apr-23 | -85 | | |
| nsulation | Prad 1-Line 5 - MCC room instantion (instantion by fait) | 150 | 369 | 0% 07-Jun-23 | | | 21-Apr-24 | -85 | | |
| 06-TPU-5-1010 | PFab 1-Line 5 - Insulation | 150 | 369 | 0% 04-Jun-22 A | | · · | 21-Apr-24 21-Apr-24 | 50 | | |
| | Frab I-Line 5 - Insulation | 20 | 20 | 0% 04-Jul-22 A | 21-Jul-23 | | 27-Apr-23 | -85 | | |
| oad out & Shipping 06-TPU-5-1030 | PFab 1-Line 5 - Load Out & ready to ship | 20 | 20 | 0% 02-Jul-23* | 21-Jul-23 | | 27-Apr-23 | -85 | | |
| Delivery | | 10 | 10 | 22-Jul-23 | 31-Jul-23 | | 07-May-23 | -85 | | |
| 06-TPU-5-1340 | PFab 1-Line 5 - Delivery | 10 | 10 | 0% 22-Jul-23 | 31-Jul-23 | · · | 07-May-23 | -85 | | |
| Fab 1- Line 6 | | 721 | | | 04-Feb-24 | - | 04-Feb-24 | 0 | | |
| tructure Erection | | 366 | 62 | 08-Apr-22 A | | | 14-Apr-23 | -16 | | |
| 06-TPU-6-1110 | PFab 1-Line 6 - 2nd Floor(EL20.47m~EL26.72m) Primary & Secondary Steel Structure Erection | 60 | 3 | 95% 08-Apr-22 A | | | 04-Jan-23 | -57 | | PFab 1-Line 6 |
| 06-TPU-6-1120 | PFab 1-Line 6 - 3rd Floor(EL26.72m~EL37.72m)Primary & Secondary Steel Structure Erection | 45 | 16 | | | | 24-Jan-23 | -50 | | |
| 06-TPU-6-1130 | PFab 1-Line 6 - 4th Floor(EL37.72m~EL47.22m) Primary & Secondary Steel Structure Erection | 30 | 15 | 50% 02-Sep-22 A | | | 09-Feb-23 | -50 | | |
| 06-TPU-6-1140 | PFab 1-Line 6 - Top Floor(EL47.22m~EL54.47m) Prim ary & Secondary Steel Structure Erection | 30 | 30 | 0% 01-Apr-23 | 30-Apr-23 | | 20-Mar-23 | -41 | | |
| 06-TPU-6-1150 | PFab 1-Line 6 - Tertiary Structure Erection | 144 | 59 | 59.03% 15-Apr-22 A | | | 14-Apr-23 | -13 | | |
| lechanical Erection | | 419 | 61 | 03-Mar-22 A | | | 03-Mar-23 | -57 | | <u></u> |
| 06-TPU-6-1160 | PFab 1-Line 6 - Mechanical Installation - 1st Floor (Below EL20.47m) (Including Combustion Grate) | 80 | 54 | 32.5% 03-Mar-22 A | | | 24-Feb-23 | -57 | | |
| 06-TPU-6-1170 | PFab 1-Line 6 - Mechanical Installation - 2nd Floor(EL20.47m~EL26.72m) (Including Deaerator) | 80 | 54 | 32.5% 20-May-22 A | | | 24-Feb-23 | -57 | | |
| 06-TPU-6-1180 | PFab 1-Line 6 - Mechanical Installation - 3rd Floor(EL26.72m~EL37.72m) (Including Boiler Ash Tre | 80 | 54 | 32.5% 19-Aug-22 A | | | 24-Feb-23 | -57 | | |
| 06-TPU-6-1190 | PFab 1-Line 6 - Mechanical Installation - 4th Floor(EL37.72m~EL47.22m) (Including Air Ducts) | 39 | 39 | 0% 15-Mar-23* | 22-Apr-23 | | 24-Feb-23 | -57 | | 15-Mar-23* |
| 06-TPU-6-1240 | PFab 1-Line 6 - Mechanical Installation - Boiler Lifting & Installation | 80 | 2 | 97.5% 15-Nov-22 A | · · | | 03-Mar-23 | -57 | | |
| iping Fabrication | | 180 | 13 | 23-Mar-21 A | | | 14-Jan-23 | -57 | | |
| 06-TPU-6-1220 | PFab 1-Line 6 - Piping Fabrication | 180 | 13 | 92.78% 23-Mar-21 A | 12-Mar-23 | 02-Jan-23 | 14-Jan-23 | -57 | | P |
| iping Installation | | 87 | 87 | 16-Mar-23 | 10-Jun-23 | | 14-Apr-23 | -57 | | |
| 06-TPU-6-1000 | PFab 1-Line 6 - Piping Installation | 87 | 87 | 0% 16-Mar-23* | 10-Jun-23 | 18-Jan-23 | 14-Apr-23 | -57 | | 16-Mar-23* |
| &I Installation | | 52 | 52 | 20-Apr-23 | 10-Jun-23 | 22-Feb-23 | 14-Apr-23 | -57 | | |
| C TDU C 1050 | PFab 1-Line 6 - E&I Support Installation | 45 | 45 | 0% 20-Apr-23* | 03-Jun-23 | 22-Feb-23 | 07-Apr-23 | -57 | | |
| J6-1PU-6-1250 | PFab 1-Line 6 - E&I Cable Ladder Erection | 45 | 45 | 0% 27-Apr-23 | 10-Jun-23 | 01-Mar-23 | 14-Apr-23 | -57 | | |
| | | 26 | 26 | 16-May-23 | 10-Jun-23 | 20-Mar-23 | 14-Apr-23 | -57 | | |
| 06-TPU-6-1260 | | 26 | 26 | 0% 16-May-23* | 10-Jun-23 | 20-Mar-23 | 14-Apr-23 | -57 | | |
| 06-TPU-6-1260 Electrical | PFab 1-Line 6 - Electrical Heat Tracing Installation (Installation by Yard) | | | | 10 lum 00 | 21-Mar-23 | 14-Apr-23 | -57 | | |
| 06-TPU-6-1260 E lectrical 06-TPU-6-1290 | PFab 1-Line 6 - Electrical Heat Tracing Installation (Installation by Yard) PFab 1-Line 6 - MCC room installation (Installation by Yard) | 25 | 25 | 0% 17-May-23* | 10-Jun-23 | | | | | |
| 06-TPU-6-1260 Electrical 06-TPU-6-1290 06-TPU-6-1330 | | | 25 342 | 0% 17-May-23* 08-Jul-22 A | 04-Feb-24 | | 04-Feb-24 | 0 | | |
| 36-TPU-6-1250 36-TPU-6-1260 Electrical 06-TPU-6-1290 06-TPU-6-1330 isulation 36-TPU-6-1010 | | 25 | | | | 28-Feb-23 | 04-Feb-24 04-Feb-24 | 0 | | |
| 06-TPU-6-1260 Electrical 06-TPU-6-1290 06-TPU-6-1330 Isulation | PFab 1-Line 6 - MCC room installation (Installation by Yard) | 25 150 | 342 | 08-Jul-22 A | 04-Feb-24 | 28-Feb-23 28-Feb-23 | | - | | |

♦ Milestone

Critical Remaining Work

| | . EP/SP/66/12 lities, Phase 1 | 環境保護署 Environmental Protection Department |
|--------------|--|---|
| 2 | 023 Apr | May |
| | 65 | 66 03-May-23, PFab 1-Line 4 - E&I |
| | pr-23* Apr-23* | 03-May-23, PFab 1-Line 4 - Elec 03-May-23, PFab 1-Line 4 - MC0 |
| | 04 | I-May-23* 23-May |
| | | 24-May-23 |
| | d Floor(EL26.72m~EL37.72 | nary & Secondary Steel Structure Erection, 05 m)Primary & Secondary Steel Structure Erec 1-Line 5 - 4th Floor(EL37.72m~EL47.22m) Pr |
| | | PFa |
| | | 26- |
| | pr-23 pr-23 | |
| 07-A | | |
| | | |
| prication, 2 | 28-Feb-23, 28-Feb-23, PFab | 1-Line 5 - Piping Fabrication |
| | | |
| | | 11-May-23* |
| | | 18-May-23 |
| | | 06-Jur |
| | | 07-Ju |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | d Floor(EL26.72m - EL37.72 PFab 1-Line 6 - 4th Floor(E | PFab 1-Line 6 - Tertiary Structure Erect |
| | | PFab 1-Line 6 - Mechanical Installation - 1st PFab 1-Line 6 - Mechanical Installation - 2nd |
| | { | PFab 1-Line 6 - Mechanical Installation - 3rd |
| | | 22-Apr-23, PFab 1-Line 6 - Mechanical Instal |
| e 6 - Pipin | g Fabrication, 12-Mar-23, 12- | PFab 1-Line 6 - Mechanical Installati Mar-23, PFab 1-Line 6 - Piping Fabrication |
| | | |
| | | |
| | 20-Apr-23* | |
| | 27-Apr-2 | 3 |
| | | 16-May-23* |
| | | 17-May-23* |
| | | |
| | | |
| | | |
| | | |
| | | |

| | Activity Name | Original Duration | Duration | Activity % Complete | Current Start | Current Finish | Late Start | Late Finish | Total Float M63 Remarks | Feb | Mar |
|---|--|----------------------|-----------|------------------------|----------------------------|------------------------|------------------------|---------------------------------------|---|--|--------------------------|
| Delivery | | 10 | 10 |) | 01-Jul-23 | 10-Jul-23 | 05-May-23 | 14-May-23 | -57 | 63 | 64 |
| 06-TPU-6-1340 | PFab 1-Line 6 - Delivery | 10 | 10 | | 01-Jul-23 | 10-Jul-23 | 05-May-23 | • | -57 | | |
| abrication of Module (F | | 812 | 309 | | 03-Jun-21 A | | 07-Dec-22 | | 0 | | <u>19-Mar-23* I</u> |
| abrication of Mega Ste f-site Fabrication of | | 60 545 | 32 149 | | 22-Jan-23 A 30-Oct-21 A | 31-Mar-23 | 02-Jan-23 27-Jan-23 | · · · · · · · · · · · · · · · · · · · | -30 | 27-Feb-23 A | 11-Mar-23, F |
| abrication of Module (F | | 545 | 149 | | 30-Oct-21 A | | 27-Jan-23 | | -30 | | |
| Turbine Module 1 | | 109 | 19 | | 06-Jan-23 A | | 04-Apr-23 | | 35 | | |
| 06-4040-1(M55) | Turbine Module 1 - TBS Tower 1 Erection & Installation | 31 | 4 | 87.1% | 06-Jan-23 A | 03-Mar-23 | 04-Apr-23 | 07-Apr-23 | 35 | | 03-Mar-23, Turbine Mo |
| 06-4080(6) | Turbine Module 1 - Delivery | 15 | 15 | | 04-Mar-23 | 18-Mar-23 | 08-Apr-23 | · · | 35 | 04-Mar-23 | 18-1 |
| Turbine Module 2 | Turbing Madela O. Our mater & Environment la della fina | 545 | 149 | | 28-Jan-22 A | | 27-Jan-23 | | -32 | | |
| 06-4220(6) 06-4240(6) | Turbine Module 2 - Generator & Equipment Installation Turbine Module 2 - TBS Tower 2 Fabrication | 450 46 | 15 57 | | 28-Jan-22 A 20-Oct-22 A | | 25-Apr-23 27-Jan-23 | - | -32 | | 14-Mar-2 |
| 06-4240-1(M55) | Turbine Module 2 - TBS Tower 2 Erection & Installation | 46 | 46 | | 26-Apr-23 | 10-Jun-23 | 25-Mar-23 | | -32 | | |
| 06-4280(6) | Turbine Module 2 - Delivery | 46 | 46 | 6 0% | 11-Jun-23 | 26-Jul-23 | 10-May-23 | 24-Jun-23 | -32 | | |
| Turbine Module 3 | | 515 | 149 | | 30-Oct-21 A | | | 26-Jun-23 | -30 | | |
| 06-4410(6) | Turbine Module 3 - Steam Turbine 3 Fabrication | 450 | 30 | | 27-Feb-22 A | | 27-Apr-23 | - | 58 | | |
| 06-4420(6) 06-4440(6) | Turbine Module 3 - Generator & Equipment Installation Turbine Module 3 - TBS Tower 3 Fabrication | 450 | 30 57 | | 27-Feb-22 A 30-Oct-21 A | | 27-Apr-23 13-Feb-23 | | -15 | | |
| 06-4440(0) 06-4440-1(M55) | Turbine Module 3 - TBS Tower 3 Erection & Installation | 46 | 46 | | 26-Apr-23 | 10-Jun-23 | 11-Apr-23 | | -15 | | |
| 06-4480(6) | Turbine Module 3 - Del ivery | 31 | 31 | | 26-Jun-23 | 26-Jul-23 | 27-May-23 | | -30 | | |
| ocurement for ACC | Units | 502 | 118 | 8 | 28-Feb-22 A | 25-Jun-23 | 06-Apr-23 | 28-Aug-23 | 64 | | |
| 6-1120-1 | Off-site Fabrication of ACC-2 Units | 178 | 77 | 7 56.74% | 28-Feb-22 A | 15-May-23 | 06-May-23 | 21-Jul-23 | 67 | | |
| 6-1120-2 | Off-site Fabrication of ACC-3 Units | 178 | 118 | | 28-Feb-22 A | | 03-May-23 | | 64 | | |
| 6-1130 | Factory Acceptance Test (FAT) for ACC-1 | 60 | 51 | | 28-Sep-22 A | · · | 06-Apr-23 | - | 37 | | |
| 6-1160 | Delivery to Site ACC-1 W Building Equipment | 21 60 | 21 56 | | 20-Apr-23 | 10-May-23 | 27-May-23 18-Aug-23 | | 37 171 | | |
| 6-1420(1) | Factory Acceptance Test (FAT) | 60 | 56 | | 23-Feb-23 A | | 18-Aug-23 | | 171 | -Feb-23 A, 23-Feb-23 A | |
| ., | nanical Treatment Plant Building Plant Equipment | 469 | 185 | | | 31-Aug-23 | 09-Aug-23 | | 162 | | |
| 6-1150-1(1) | Mechanical Equipment Material Submission and Approval | 180 | 28 | 84.44% | 30-Jun-22 A | 27-Mar-23 | 14-Dec-23 | 10-Jan-24 | 289 | | |
| 6-1150-2(1) | Pipe Material Submission and Approval | 180 | 28 | | 30-Jun-22 A | | 14-Dec-23 | | 289 | | |
| 6-1150-3(1) | Electrical and Instrumentation Material Submission and Approval | 180 | 28 | | 30-Jun-22 A | | 13-Jan-24 | | 319 | | |
| 6-1160-1(1) 6-1160-2(1) | Mechanical Equipment Procurement (Incl. FAT) Pipe Material Procurement (Incl. FAT) | 217 | 155 | | 30-Jun-22 A 30-Jun-22 A | - | 09-Aug-23 23-Sep-23 | | 162 207 | | 1 |
| 6-1160-3(1) | Electrical and Instrumentation Material Procurement (Incl. FAT) | 180 | 185 | | 08-Dec-22 A | | 09-Aug-23 | | 162 | | |
| ., | ewater Treatment Plant Equipment | 132 | 120 | | | 27-Jun-23 | 25-May-23 | | 27 | | |
| 6-1190-1(1) | Mechanical Equipment Material Submission and Approval | 90 | 31 | 65.56% | 23-Jun-22 A | 30-Mar-23 | 25-May-23 | 24-Jun-23 | 86 | | |
| 6-1190-2(1) | Pipe Material Submission and Approval | 90 | 31 | 65.56% | 23-Jun-22 A | 30-Mar-23 | 25-May-23 | 24-Jun-23 | 86 | | |
| 6-1190-3(1) | Electrical and Instrumentation Material Submission and Approval | 90 | 31 | | 29-Jul-22 A | 28-May-23 | 25-May-23 | | 27 | | |
| 6-1200-1(1) | Mechanical Equipment Procurement (Incl. FAT) | 31 | 31 | | 28-Feb-23 | 30-Mar-23 | 25-May-23 25-May-23 | | 86 | | |
| 6-1200-2(1) 6-1200-3(1) | Pipe Material Procurement (Incl. FAT) Electrical and Instrumentation Material Procurement (Incl. FAT) | 0 | 31 60 | | 28-Feb-23 09-Aug-22 A | 30-Mar-23 | 25-May-23 26-May-23 | | 86 27 | 28-Feb-23 | |
| | al & Demin Plant Equipment | 484 | 92 | | - | 30-May-23 | 21-Jun-23 | | 113 | | |
| 6-1230-1(1) | Mechanical Equipment Material Submission and Approval | 90 | 30 | | 08-Jan-22 A | - | 23-Jun-23 | | 115 | | |
| 6-1230-2(1) | Pipe Material Submission and Approval | 90 | 30 | 66.67% | 08-Jan-20 A | 29-Mar-23 | 23-Jun-23 | 22-Jul-23 | 115 | | |
| 6-1230-3(1) | Electrical and Instrumentation Material Submission and Approval | 90 | 30 | | 16-Apr-20 A | | 23-Jun-23 | | 115 | | |
| 5-1240-1(1) | Mechanical Equipment Procurement (Incl. FAT) | 60 | 30 | | 01-Jun-22 A | | 22-Aug-23 | | 145 | | |
| -1260-1(M55) -1260-2(M55) | WTP chemical storage tank Material Submission and Approval | 120 | 62 | | 21-Apr-22 A | | 21-Jun-23 | - | 113 113 | | |
| , , | WTP chemical storage tank Procurement (Incl. FAT) ransformers and Associated Equipment | 393 | 120 | | 22-Apr-22 A 31-May-22 A | | 21-Jul-23 07-Mar-23 | | 81 | | |
| rocurement of Transfo | | 120 | 120 | | - | 27-Jun-23 | 20-May-23 | | 81 | | |
| 06-1290(1) | Factory Acceptance Test (FAT) | 120 | 120 |) 0% | 28-Feb-23 | 27-Jun-23 | 20-May-23 | · · · · · | 81 | 28-Feb-23 | |
| rocurement of Switchb | oard/Pannels and Cables | 393 | 120 | - | 31-May-22 A | | 07-Mar-23 | 04-Jul-23 | 7 | | |
| 06-2090(1) | Material Submission and Approval | 60 | 30 | | 31-May-22 A | | 07-Mar-23 | | 7 | | |
| 06-2100(1) | Material & Equipment Procurement | 240 | 60 | | 31-May-22 A | | 06-Apr-23 | | 7 | | 30-N |
| 06-2110(1) | Factory Acceptance Test (FAT) Irol SCADA Systems | 90 408 | 90 135 | | 30-Mar-23 23-May-22 A | 27-Jun-23 | 06-Apr-23 20-Apr-23 | | 51 | | 30-1 |
| 6-1310 | Scada System Procurement, Panel Assembly & Wiring | 140 | 15 | | 23-May-22 A | | 20-Apr-23 | · · · | 51 | | 14-Mar- |
| 6-1330 | Factory Acceptance Test (FAT) | 120 | 120 | | 15-Mar-23 | 12-Jul-23 | 05-May-23 | | 51 | | 15-Mar-23 |
| ocurement for Onsl | nore Crane at Berth | 60 | 2 | 2 | 04-Dec-22 A | 01-Mar-23 | 28-Jul-23 | 29-Jul-23 | 150 | | |
| 6-1350 | Supplier Submission and Approval | 60 | 2 | 96.67% | 04-Dec-22 A | | 28-Jul-23 | | 150 | | 01-Mar-23, Supplier Sul |
| | site Fabrication of Pipe Bridges (Incl. Pipings) | 258 | 107 | | | 14-Jun-23 | 25-Feb-23 | | 87 | | |
| <mark>abrication of Pipe Racl</mark> Pipe Rack 2 | k (Pretab.3) | 194 | 31 | | | 30-Mar-23 | 08-Aug-23 | | 163 | | |
| 06-5090(6) | Piping installation | 61 | 2 | | | 01-Mar-23 01-Mar-23 | 08-Aug-23 08-Aug-23 | | 161 161 | | 01-Mar-23, Piping instal |
| Pipe Rack 3 | · | 168 | 31 | | | 30-Mar-23 | - | 09-Sep-23 | 163 | | ····· |
| 06-5150(6) | Erection & Fabrication | 60 | | | | 04-Mar-23 | 10-Aug-23 | | 163 | | 04-Mar-23, Erection |
| | ling Programme (February 2023) | 60 | | <u>, 51.07 /6</u> | - 57 IVIGI-22 M | . <u>0- 19101-20</u> | | Rema | ining Work I Work al Remaining Work | Actual Milestone Critical Milestone | |

| | 2023 |
|----------|---|
| | |
| | 227-May-2313-Jun |
| ricatior | of Steel Structure (FM2) & Delivery |
| | |
| | BS Tower 1 Erection & Installation, Turbine Module 1 - TBS Tower 1 Erect rbine Module 1 - Delivery |
| Turbine | Module 2 - Generator & Equipment Installation, Turbine Module 2 - Gene Turbine Module 2 - TBS Tower 2 Fabrica |
| | 26-Apr-23 |
| | 29-Mar-23, Turbine Module 3 - Steam Turbine 3 Fabrication, Turbine Mod 29-Mar-23, Turbine Module 3 - Generator & Equipment Installation, Turbin |
| | Turbine Module 3 - TBS Tower 3 Fabrica 26-Apr-23 |
| | · · · · · · · · · · · · · · · · · · · |
| | 15-May-23, Off |
| | 19-Apr-23, Factory Acceptance Test (FAT) for A |
| | 20-Apr-23 10-May-23, Delivery t 24-Apr-23, Factory Acceptance Test (FAT |
| 27 | Mar-23, Mechanical Equipment Material Submission and Approval, Mec |
| 27 | Mar-23, Pipe Material Submission and Approval, Pipe Material Submission Mar-23, Pipe Material Submission and Approval, Pipe Material Submission Mar-23, Electrical and Instrumentation Material Submission and Approv |
| | |
| | |
| | 30-Mar-23, Mechanical Equipment Material Submission and Approval, 1 30-Mar-23, Pipe Material Submission and Approval, Pipe Material Subm |
| | 30-Mar-23, Mechanical Equipment Procurement (Incl. FAT) 30-Mar-23, Pipe Material Procurement (Incl. FAT) |
| | 29-Mar-23, Mechanical Equipment Material Submission and Approval, M 29-Mar-23, Pipe Material Submission and Approval, Pipe Material Subm 29-Mar-23, Electrical and Instrumentation Material Submission and App 28-Apr-23, Mechanical Equipment I 30-Apr-23, WTP chemical storag |
| | |
| | |
| | |
| | 29-Mar-23, Material Submission and Approval, Material Submission and |
| 23 🗖 | · · |
| Scada | şystem Procurement, Panel Assembly & Wiring, Scada System Procur |
| sion a | nd Approval, Supplier Submission and Approval, 01-Mar-23 |
| | |
| | |
| on, Pipi | ng installation, 01-Mar-23 |

| 06-5310(6)Erection & Fa06-5320(6)Piping installaPipe bridge B1 & B2 on the Roof of Turbio06-5360(6D)Structure Cutto06-5370(6D)Erection & Fa06-5380(6D)Piping installaabrication of Pipe Bridge CPipe Bridge C between Turbine Hall & ACC06-5380(6D)Structure Cutto06-5400(6)Structure Cutto06-5400(6)Erection & Fa06-5420(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5420(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5460(6)Piping installaOctarement for LV Electrical System6-1440Material & Eq06-1820(6C)Material Subr06-1810(6)Material Subr06-1820(6)Factory Acc q06-1830(6)Delivery to Sit06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1830(6)Delivery to Sit06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820 | bine Hall Cutting, Painting & Pre-assembly Fabrication tallation tbine Hall Cutting, Painting & Pre-assembly Fabrication tallation Cutting, Painting Cutting, Painting & Pre-assembly Fabrication tallation Cutting, Painting Cutting, Painting, Painting Cutting, Painting, Painting Cutting, Painting Cutting, Painting Cutting, Painting Cutting, Painting Cutting, Painting, Painting Cutting, Painting, Painting Cutting, Painting, Pa | 61 258 258 258 180 31 46 258 30 31 46 258 300 31 46 256 253 14 61 46 102 61 46 105 61 46 105 61 46 102 61 46 105 61 46 105 61 46 180 120 30 120 | 26 107 107 30 31 46 107 30 31 46 105 102 0 56 46 102 56 46 102 56 46 105 59 46 0 0 0 59 46 0 0 0 0 0 0 0 0 0 0 0 0 0 | 15-Oct-21 A 15-Oct-21 A 83.33% 15-Oct-21 A 0% 30-Mar-23 0% 30-Apr-23 15-Oct-22 A 0% 0% 30-Mar-23 0% 30-Mar-23 0% 30-Mar-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23A 0% 25-Apr-23 23-Feb-23A 0% 25-Apr-23 23-Feb-23A 23-Feb-23A 3.28% 23-Feb-23A | 14-Jun-23 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 29-Apr-23 14-Jun-23 29-Apr-23 29-Apr-23 14-Jun-23 29-Apr-23 24-Apr-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 09-Jun-23 | Is-Aug-23 O9-Sep-23 15-Aug-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 26-Jun-23 11-Apr-23 11-May-23 12-Mar-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 25-Feb-23 10-Apr-23 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 26-Feb-23 07-Jun-23 26-Feb-23 07-Jun-23 | 163 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 2 -2 <th>63</th> <th></th> | 63 | |
|---|--|---|---|--|---|---|---|--|--------------------------|
| Pipe Bridge B Between CCCW and Turbin06-5300(6)Structure Cutt06-5310(6)Erection & Fa06-5320(6)Piping installaPipe bridge B1 & B2 on the Roof of Turbit06-5360(6D)06-5380(6D)Structure Cutt06-5380(6D)Piping installaabrication of Pipe Bridge CPipe Bridge C between Turbine Hall & AC06-5400(6)Structure Cutt06-5410(6)Erection & Fa06-5420(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5490(6)Erection & Fa06-5490(6)Erection & Fa06-5400(6)Piping installaOcurement for LV Electrical System6-1440Material & Eq06-1820(6)Material Subr06-1820(6)Factory Acc06-1820(6)Delivery to Si06-1820(6)Factory Acc06-1830(6)Delivery to Si06-1830(6)Delivery to Si06-1830(6)Factory Acc06-1820Material & Eq06-1820Factory Acc06-1830Material & Eq06-1910Material & Eq06-1920Factory Acc06-1930EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06 | Cutting, Painting & Pre-assembly Fabrication rbine Hall Cutting, Painting & Pre-assembly Fabrication tallation ACC -1 Cutting, Painting & Pre-assembly Fabrication tallation ACC -2 Fabrication tallation ACC -3 Fabrication tallation Equipment Procurement dor Treatment System ubmission and Approval ubmission at Equipment Procurement (for IWMF Substation) | 258 180 31 46 258 30 31 46 256 253 14 61 46 102 61 46 102 61 46 102 61 46 102 61 46 102 61 46 102 61 46 105 61 46 105 61 46 180 180 120 30 | 107 30 31 46 107 30 31 46 105 102 0 56 46 102 56 46 105 59 46 0 0 0 | 15-Oct-21 A 83.33% 15-Oct-21 A 0% 30-Mar-23 0% 30-Apr-23 15-Oct-22 A 0% 0% 15-Oct-22 A 0% 30-Mar-23 0% 30-Apr-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 25-Apr-23 0% 25-Apr-23 0% 25-Apr-23 0% 25-Apr-23 3.28% 23-Feb-23A | 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 29-Apr-23 14-Jun-23 29-Apr-23 28-Feb-23 28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 29-Apr-23 | 12-Mar-23 26-Jun-23 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-Mar-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 10-Apr-23 12-Mar-23 10-Apr-23 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 20-Apr-23 | 12 12 12 12 12 12 12 12 2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 | | Structure Cutting, Pair |
| 06-5300(6)Structure Cutt06-5310(6)Erection & Fa06-5320(6)Piping installaPipe bridge B1 & B2 on the Roof of Turbit06-5360(6D)06-5330(6D)Erection & Fa06-5330(6D)Piping installaabrication of Pipe Bridge CPiping installa06-5450(6)Erection & Fa06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5460(6)Piping installaCourement for LV Electrical System6-1440Material & Eq06-1820(6)Material Subrcourement for Fire Services SystemMF Substation06-1820(6)Pieirug rus06-1820(6)Delivery to Sitcourement for Cranage EquipmentVaste Crane06-1830(6)Delivery to Sit06-1830(6)Material & Eq06-1830(6)Factory Acc q06-1830(6)Factory Acc q06-1830(6)Factory Acc q06-1830(6)Factory Acc q06-1830(6)Factory Acc q06-1830(6)Factory Acc q06-1910Material & Eq | Cutting, Painting & Pre-assembly Fabrication rbine Hall Cutting, Painting & Pre-assembly Fabrication tallation ACC -1 Cutting, Painting & Pre-assembly Fabrication tallation ACC -2 Fabrication tallation ACC -3 Fabrication tallation Equipment Procurement dor Treatment System ubmission and Approval ubmission at Equipment Procurement (for IWMF Substation) | 180 31 46 258 30 31 46 256 253 14 61 46 102 61 46 102 61 46 102 61 46 105 61 46 105 61 42 105 61 42 105 61 42 105 61 42 61 42 61 42 180 120 30 | 30 31 46 107 30 31 46 105 102 0 56 46 102 56 46 105 59 46 0 0 | 83.33% 15-Oct-21 A 0% 30-Mar-23 0% 30-Apr-23 15-Oct-22 A 0% 15-Oct-22 A 0% 30-Mar-23 0% 30-Apr-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A | 29-Mar-23 29-Apr-23 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 14-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 24-Apr-23 | 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 10-Apr-23 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 20-Apr-23 | 12 12 12 12 12 12 12 12 2 2 2 2 2 2 2 2 | | Structure Cutting, Pai |
| 06-5310(6)Erection & Fa06-5320(6)Piping installa2ipe bridge B1 & B2 on theRoof of Turbit06-5360(6D)Structure Cutt06-5370(6D)Erection & Fa06-5380(6D)Piping installaabrication of Pipe Bridge CPiping installa2ipe Bridge C between Turbine Hall & ACC06-5450(6)Structure Cutt06-5450(6)Erection & Fa06-5450(6)Piping installa2ipe Bridge C between Turbine Hall & ACC06-5450(6)Piping installa06-5450(6)Piping installaocurement for LV Electrical System6-1440Material & Eq0curement for Fire Services System6-1470(1)Material Subr6-1820(6)Piactory Acc q06-1810(6)Factory Acc q06-1830(6)Delivery to Sit0curement for Cranage Equipmentatse CraneFactory Acc q06-1720Material & Eq06-1830Material & Eq06-1820Factory Acc q06-1920Factory Acc q06-1920< | Fabrication tailation tbine Hall Cutting, Painting & Pre-assembly Fabrication tailation ACC -1 Cutting, Painting & Pre-assembly Fabrication tailation ACC -1 Cutting, Painting & Pre-assembly Fabrication tailation ACC -2 Fabrication tailation ACC -3 Fabrication tailation ACC -3 Fabrication tailation ACC -3 Fabrication taillation Mathematical term top taillation em for On-site Installation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IW MF Substation) | 31 46 258 30 31 46 256 253 14 61 46 102 61 46 105 61 46 105 61 46 105 61 46 105 61 46 105 61 42 180 180 30 | 31 46 107 30 31 46 105 56 46 102 556 46 102 559 46 0 0 | 0% 30-Mar-23 0% 30-Apr-23 15-Oct-22 A 0% 15-Oct-22 A 0% 30-Mar-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A | 29-Apr-23 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 24-Apr-23 | 11-Apr-23 11-May-23 12-May-23 26-Jun-23 12-Mar-23 26-Jun-23 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | 12 12 12 12 12 12 2 2 2 2 2 2 2 2 2 2 2 | | |
| Pipe bridge B1 & B2 on the Roof of Turbin06-5360(6D)Structure Cutt06-5370(6D)Erection & Fa06-5380(6D)Piping installaabrication of Pipe Bridge CPipe Bridge C between Turbine Hall & ACC06-5380(6D)Structure Cutt06-5400(6)Structure Cutt06-5400(6)Erection & Fa06-5420(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-54500(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5460(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-54500(6)Erection & Fa06-54500(6)Erection & Fa06-54500(6)Piping installa06-54500(6)Piping installa06-54500(6)Material & Eq06-54500(6)Material Subtr06-1820(6C)Material Subtr06-1810(6)Material Subtr06-1820(6)Factory Acc q06-1820(6)Piping installa06-1820(6)Pieivery to Sitr06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Factory Acc q06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(7)Material & Eq06-192 | rbine Hall Cutting, Painting & Pre-assembly Fabrication tallation ACC -1 Cutting, Painting & Pre-assembly Fabrication tallation ACC -2 Fabrication tallation ACC -3 Fabrication tallation CCC -3 Fabrication tallation Equipment Procurement Cor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IW MF Substation) | 258 30 31 46 256 253 14 61 46 102 61 46 102 61 46 105 61 46 105 61 46 105 61 46 105 61 46 180 180 120 30 | 107 30 31 46 105 102 0 56 46 102 56 46 105 59 46 0 0 | 15-Oct-22 A 0% 15-Oct-22 A 0% 30-Mar-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A | 14-Jun-23 29-Mar-23 29-Apr-23 14-Jun-23 12-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 29-Apr-23 24-Apr-23 29-Apr-23 | 12-Mar-23 26-Jun-23 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | 12 12 12 -2 -2 -2 -2 -2 -2 -2 | | |
| 06-5360(6D)Structure Cutt06-5370(6D)Erection & Fa06-5370(6D)Piping installaabrication of Pipe Bridge CPiping installa2Pipe Bridge C between Turbine Hall & AC06-5400(6)Structure Cutt06-5400(6)Erection & Fa06-5400(6)Piping installa2Pipe Bridge C between Turbine Hall & AC06-5400(6)Erection & Fa06-5400(6)Erection & Fa06-5500(6)Piping installa06-5500(6)Piping installa06-15200(6)Material & Eq07Material Subr06-1810(6)Material Subr06-1810(6)Factory Acc q06-1820(6)Pelivery to Si06-1830(6)Delivery to Si06-1830(6)Delivery to Si06-1820(6)Factory Acc q06-1820(6)Material & Eq06-1820(6)Factory Acc q06-1820(6)Factory Acc q06-1830(6)Delivery to Si06-1830(6)Delivery to Si06-1810(6)Material & Eq06-1820Factory Acc q06-1820Factory Acc q06-1870Material & Eq06-1940(M54)EOTC Deliver | Cutting, Painting & Pre-assembly Fabrication ACC -1 Cutting, Painting & Pre-assembly Fabrication tallation ACC -2 Fabrication tallation ACC -3 Fabrication tallation ACC -3 Fabrication tallation Equipment Procurement Cor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IW MF Substation) | 30 31 46 256 253 14 61 46 102 61 46 102 61 46 105 61 46 105 61 46 105 61 46 180 180 30 | 30 31 46 105 102 0 56 46 102 56 46 105 59 46 0 0 | 0% 15-Oct-22 A 0% 30-Mar-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 23-Feb-23 A 0% 23-Feb-23 A 8.2% 23-Feb-23 A 0% 25-Apr-23 20% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A | 29-Mar-23 29-Apr-23 14-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 24-Apr-23 | 12-Mar-23 10-Apr-23 11-Apr-23 11-May-23 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | 12 12 12 -2 -2 -2 -2 -2 -2 -2 | | |
| 06-5370(6D) Erection & Fa 06-5380(6D) Piping installa abrication of Pipe Bridge C Piping installa 206-5380(6D) Structure Cuttor 06-5400(6) Structure Cuttor 06-5400(6) Erection & Fa 06-5500(6) Piping installa 06-5500(6) Piping installa 06-5500(6) Material & Eq 06-1470(1) Material Subr 06-1810(6) Material Subr 06-1810(6) Material Subr 06-1820(6) Factory Acc q 06-1820(6) Delivery to Si 06-1830(6) Delivery to Si 06-1820 Material & Eq 06-1830 Material & Eq < | Fabrication ACC -1 Cutting, Painting & Pre-assembly Fabrication ACC -2 Fabrication ACC -2 Fabrication ACC -3 Fabrication Fabrication Fabrication Equipment Procurement Cor Treatment System Ubmission and Approval Ubmission & Equipment Procurement (for IW MF Substation) | 31 46 256 253 14 61 46 102 61 46 105 61 46 105 11 105 11 11 12 13 14 15 161 180 180 30 | 31 46 105 102 0 56 46 102 56 46 105 59 46 0 0 | 0% 30-Mar-23 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 23-Feb-23 A 0% 23-Feb-23 A 8.2% 23-Feb-23 A 0% 25-Apr-23 20% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A | 29-Apr-23 14-Jun-23 12-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 24-Apr-23 | 11-Apr-23 11-May-23 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | 12 12 -2 -2 -2 -2 -2 -2 -2 | | |
| 06-5380(6D)Piping installaabrication of Pipe Bridge CPipe Bridge C between Turbine Hall & AC06-5400(6)Structure Cutt06-5410(6)Erection & Fa06-5420(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5500(6)Piping installaocurement for LV Electrical System6-1440Material & Eqocurement for Ventilation and Odor6-1470(1)Material Subr06-1820(6C)Material Subr06-1820(6C)Material Subr06-1830(6)Delivery to Si06-1830(6)Delivery to Si06-1830(6)Delivery to Si06-1830(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1830(6)Delivery to Si06-1830(6)Delivery to Si06-1830Material & Eq06-1820Factory Acc q06-1920Factory Acc q06-1930EOTC Deliver06-1910Material & Eq06-1930EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M57)Material & Eq06-1940(M57)< | tallation ACC -1 Cutting, Painting & Pre-assembly Fabrication CACC -2 Fabrication CACC -2 Fabrication CACC -3 Fabrication CACC -3 Fabrication Equipment Procurement CACC -3 Equipment CACC -3 Equipmen | 446 256 253 14 61 46 102 61 46 105 61 46 105 114 110 | 446 105 102 0 56 46 102 56 46 105 59 46 0 0 | 0% 30-Apr-23 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 8.2% 23-Feb-23 A 0% 25-Apr-23 8.2% 23-Feb-23 A 0% 25-Apr-23 20% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 3.28% 23-Feb-23 A | 14-Jun-23 12-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 29-Jun-23 24-Apr-23 | 12-May-23 26-Jun-23 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | 12 -2 -2 -2 -2 -2 -2 -2 | | |
| abrication of Pipe Bridge C Pipe Bridge C between Turbine Hall & AC 06-5400(6) Structure Cutt 06-5410(6) Erection & Fa 06-5420(6) Piping installa Pipe Bridge C between Turbine Hall & AC 06-5450(6) Erection & Fa 06-5460(6) Piping installa Pipe Bridge C between Turbine Hall & AC 06-5450(6) Erection & Fa 06-5460(6) Piping installa Pipe Bridge C between Turbine Hall & AC 06-5490(6) Erection & Fa 06-5500(6) Piping installa ocurement for LV Electrical System 6-14400 Material & Eq ocurement for Ventilation and Odor 6-1470(1) Material Subr 06-1810(6) Material Subr 06-1820(6C) Material Subr 06-1830(6) Delivery to Si 06-1820(6) Factory Acc ep 06-1830(6) Delivery to Si 06-1830 Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1920 Factory Acc ep 06-1920 Factory Acc ep <td>ACC -1 Cutting, Painting & Pre-assembly Fabrication ACC -2 Fabrication ACC -3 Fabrication ACC -3 Fabrication Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IW MF Substation)</td> <td>256 253 114 61 46 102 61 46 105 61 46 105 61 46 105 105 110 110 110 110 110 110 110 110 110 110 110 110 110</td> <td>105 102 0 56 46 102 56 46 105 59 46 0 0</td> <td>18-Oct-22 A 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 3.28% 23-Feb-23 A</td> <td>12-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 24-Apr-23</td> <td>25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23</td> <td>-2 -2 -2 -2 -2 -2</td> <td></td> <td></td> | ACC -1 Cutting, Painting & Pre-assembly Fabrication ACC -2 Fabrication ACC -3 Fabrication ACC -3 Fabrication Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IW MF Substation) | 256 253 114 61 46 102 61 46 105 61 46 105 61 46 105 105 110 110 110 110 110 110 110 110 110 110 110 110 110 | 105 102 0 56 46 102 56 46 105 59 46 0 0 | 18-Oct-22 A 18-Oct-22 A 18-Oct-22 A 100% 18-Oct-22 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 3.28% 23-Feb-23 A | 12-Jun-23 09-Jun-23 28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 24-Apr-23 | 25-Feb-23 10-Jun-23 25-Feb-23 07-Jun-23 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | -2 -2 -2 -2 -2 -2 | | |
| 06-5400(6)Structure Cutt06-5410(6)Erection & Fa06-5420(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5450(6)Erection & Fa06-5450(6)Piping installaPipe Bridge C between Turbine Hall & ACC06-5490(6)Erection & Fa06-5500(6)Piping installaocurement for LV Electrical System6-1440Material & Eqocurement for Ventilation and Odor6-1470(1)Material Subr6-1470(1)Material Subr06-1810(6)Material Subr06-1810(6)Material Subr06-1820(6C)Material & Eq06-1820(6C)Material & Eq06-1820(6C)Material & Eq06-1820(6C)Material & Eq06-1920Factory Acc q06-1920Factory Acc q06-1920Factory Acc q06-1920Factory Acc q06-1930EOTC Deliver06-1940(M54)EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M54) <td>Cutting, Painting & Pre-assembly Fabrication Fabricati</td> <td>14 61 46 102 61 46 105 61 46 180 180 180 120 30</td> <td>0 56 46 102 56 46 105 59 46 0</td> <td>100% 18-Oct-22 A 8.2% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 20% 23-Feb-23 A 23-Feb-23 A 23-Feb-23 A 3.28% 23-Feb-23 A</td> <td>28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 24-Apr-23</td> <td>25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23</td> <td>-2 -2 -2</td> <td></td> <td></td> | Cutting, Painting & Pre-assembly Fabrication Fabricati | 14 61 46 102 61 46 105 61 46 180 180 180 120 30 | 0 56 46 102 56 46 105 59 46 0 | 100% 18-Oct-22 A 8.2% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 20% 23-Feb-23 A 23-Feb-23 A 23-Feb-23 A 3.28% 23-Feb-23 A | 28-Feb-23 24-Apr-23 09-Jun-23 09-Jun-23 24-Apr-23 | 25-Feb-23 25-Feb-23 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | -2 -2 -2 | | |
| 06-5410(6)Erection & Fa06-5420(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5450(6)Erection & Fa06-5450(6)Erection & Fa06-5450(6)Erection & Fa06-5450(6)Piping installa06-5450(6)Piping installa06-5500(6)Piping installa07Curement for LV Electrical System06-14400Material & Eq06-1470(1)Material Subr06-1820(6C)Material Subr06-1820(6C)Material Subr06-1820(6)Factory Accep06-1820(6)Delivery to Si06-1820(6)Material Subr06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1830(6)Delivery to Si06-1720Material & Eq06-1720Material & Eq06-1910Material & Eq06-1920Factory Accep06-1910Material & Eq06-1920Factory Accep06-1930EOTC Deliver06-1930EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M54)EOTC Deliver06-2160(1)Material & Eq06-2200(1)Delivery to Si | Fabrication tallation ACC -2 Fabrication tallation ACC -3 Fabrication tallation ACC -3 Fabrication tallation tallation tallation tallation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 61 46 102 61 46 105 61 46 180 180 30 | 56 46 102 56 46 105 59 46 0 0 | 8.2% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 20% 23-Feb-23 A 3.28% 23-Feb-23 A | 24-Apr-23 09-Jun-23 09-Jun-23 24-Apr-23 | 26-Feb-23 22-Apr-23 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | -2 -2 | | |
| 06-5420(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5490(6)Erection & Fa06-5500(6)Piping installa07-0000000Material & Eq07-0000000Material & Eq07-00000000Material & Eq07-0000000000Material & Eq07-0000000000000000000Material & Eq07-00000000000000000000000000000000000 | tallation ACC -2 Fabrication tallation ACC -3 Fabrication tallation ACC -3 Fabrication tallation tallation tallation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 46 102 61 46 105 61 46 180 180 180 120 30 | 46 102 56 46 105 59 46 0 0 | 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 3.28% 23-Feb-23 A | 09-Jun-23 09-Jun-23 24-Apr-23 | 23-Apr-23 07-Jun-23 26-Feb-23 07-Jun-23 | -2 | | |
| Pipe Bridge C between Turbine Hall & AC06-5450(6)Erection & Fa06-5460(6)Piping installaPipe Bridge C between Turbine Hall & AC06-5490(6)Erection & Fa06-5500(6)Piping installa06-5500(6)Piping installa06-5500(6)Piping installa06-5490(6)Erection & Fa06-5500(6)Piping installa06-5500(6)Material & Eq06-5500(6)Material & Eq06-1440Material & Eq06-1470(1)Material Subr06-1480(6C)Material Subr06-1820(6C)Factory Acc q06-1820(6)Factory Acc q06-1820(6)Delivery to Sir06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1820(6)Material & Eq06-1830Material & Eq06-1830Material & Eq06-1910Material & Eq06-1920Factory Acc q06-1930EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M54)EOTC Deliver06-1940(M57)Material & Eq06-2160(1)Material Proc06-2200(1)Delivery to Sir | ACC -2 Fabrication tallation ACC -3 Fabrication tallation em for On-site Installation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 102 61 46 105 61 46 180 180 120 30 | 102 56 46 105 59 46 0 0 | 23-Feb-23 A 8.2% 23-Feb-23 A 0% 25-Apr-23 23-Feb-23 A 23-Feb-23 A 3.28% 23-Feb-23 A | 09-Jun-23 24-Apr-23 | 26-Feb-23 07-Jun-23 | | | |
| 06-5480(6) Piping installa Pipe Bridge C between Turbine Hall & AC 06-5480(6) Erection & Fa 06-5500(6) Piping installa ocurement for LV Electrical System 6-1440 Material & Eq ocurement for Ventilation and Odor 6-1470(1) Material Subr 6-1470(1) Material Subr 6-1820(6C) Material Subr ocurement for Fire Services System MKF Substation 06-1810(6) Material Subr 06-1820(6C) Material Subr 06-1820(6) Factory Acc ep 06-1830(6) Delivery to Sit ocurement for Drainage System 06-1820-1(6C) Material & Eq ocurement for Cranage Equipment Vaterial & Eq ocurement for Cranage Equipment Vaterial & Eq off-1720 Material & Eq off-1820 Material & Eq off-1820 Material & Eq off-1820 Eorc off-1820 Material & Eq off-1820 Material & Eq off-1820 Eorc off-1820 Eorc | tallation ACC -3 Fabrication tallation tallation tallation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 46 105 61 46 180 180 120 30 | 46 105 59 46 0 | 0% 25-Apr-23 23-Feb-23 A 3.28% 23-Feb-23 A | · · | | | | |
| Pipe Bridge C between Turbine Hall & AC 06-5490(6) Erection & Fa 06-5500(6) Piping installa ocurement for LV Electrical System 6-1440 Material & Eq ocurement for Ventilation and Odor 6-1470(1) Material Subr 6-1820(6C) Material Subr ocurement for Fire Services System MKF Substation 06-1810(6) Material Subr 06-1820(6C) Material Subr 06-1820(6C) Material Subr 06-1810(6) Factory Acc q 06-1820(6) Factory Acc q 06-1830(6) Delivery to Sit ocurement for Cranage System 6-1620-1(6C) Material & Eq 06-1720 Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1970 Material & Eq 06-1920 06-1920 Factory Acc q 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06 | ACC -3 Fabrication tallation em for On-site Installation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 105 61 46 180 180 120 30 | 105 59 46 0 | 23-Feb-23 A 3.28% 23-Feb-23 A | 09-Jun-23 | 26-Feb-23 22-Apr-23 | -2 | -Feb-23 A, 23-Feb-23 A | |
| 06-5490(6)Erection & Fa06-5500(6)Piping installaocurement for LV Electrical System6-1440Material & Eqocurement for Ventilation and Odor6-1470(1)Material Subr6-1480(6C)Material Subrocurement for Fire Services SystemMF Substation06-1810(6)Material Subr06-1820(6C)Material Subr06-1810(6)Material Subr06-1820(6)Factory Acc q06-1820(6)Delivery to Sitocurement for Drainage System6-1820-1(6C)Material & Eq06-1830Material & Eq06-1720Material & Eqsh CraneDelivery to Sit06-1830Material & Eq06-1870Material & Eq06-1870Material & Eq06-1870Material & Eq06-1910Material & Eq06-1920Factory Acc q06-1930EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06-1930EOTC Deliver06-200(1)Material & Eq06-2160(1)Material Proc06-2200(1)Delivery to Sit | Fabrication tallation em for On-site Installation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 61 46 180 180 120 30 | 59 46 0 0 | 3.28% 23-Feb-23 A | 10 1 | 23-Apr-23 07-Jun-23 | -2 | | |
| 06-5500(6) Piping installation 06-5500(6) Piping installation 06-1440 Material & Equipartial Subrement for Ventilation and Odou 6-1440 Material Subrement for Ventilation and Odou 6-1470(1) Material Subrement for Fire Services System 06-1820(6C) Material Subrement for Fire Services System 06-1810(6) Material Subrement for Drainage System 06-1820(6C) Material Subrement for Drainage System 06-1820(6C) Material Subrement for Cranage Equipment for Equipment for Cranage Equipment for Equ | tallation em for On-site Installation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 46 180 180 120 30 | 46 0 0 | | | 26-Feb-23 10-Jun-23 26-Feb-23 25-Apr-23 | -2 -2 | -Feb-23 A, 23-Feb-23 A | |
| Occurement for LV Electrical System 6-1440 Material & Eq 6-1440 Material & Eq 0 Gocurement for Ventilation and Odou 6-1470(1) Material Subr 6-1820(6C) Material Subr 00-1810(6) Material Subr 06-1810(6) Factory Acc q 06-1820(6C) Material Subr 06-1820(6C) Factory Acc q 06-1820(6C) Material Subr 06-1820-1(6C) Material Subr 06-1820-1(6C) Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1910 Material & Eq 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06- | em for On-site Installation Equipment Procurement dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 180 120 30 | 0 | 0% 28-Apr-23 | 12-Jun-23 | 26-Apr-23 10-Jun-23 | -2 | | |
| Cocurement for Ventilation and Odo 6-1470(1) Material Subr 6-1470(1) Material Subr 6-1820(6C) Material Subr cocurement for Fire Services System VMF Substation 06-1810(6) Material Subr 06-1820(6C) Factory Acc q 06-1820(6) Factory Acc q 06-1820(6) Delivery to Sit ocurement for Drainage System 6-1620-1(6C) 6-1820-1(6C) Material Subr ocurement for Cranage Equipment Vaterial Subr ocurement for Cranage Equipment Vaterial & Equipment Vaste Crane Vaterial & Equipment 06-1830 Material & Equipment Vaste Crane Vaterial & Equipment 06-1830 Material & Equipment Vaste Crane Vaterial & Equipment 06-1830 Material & Equipment Vaste Crane Vaterial & Equipment 06-1830 Material & Equipment 06-1910 Material & Equipment 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1940(M54) </td <td>dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation)</td> <td>120 30</td> <td></td> <td>01-Mar-22 A</td> <td>28-Feb-23</td> <td>02-Jul-24 02-Jul-24</td> <td>491</td> <td></td> <td></td> | dor Treatment System ubmission and Approval ubmission & Equipment Procurement (for IWMF Substation) | 120 30 | | 01-Mar-22 A | 28-Feb-23 | 02-Jul-24 02-Jul-24 | 491 | | |
| 6-1470(1) Material Subr 6-1820(6C) Material Subr ocurement for Fire Services System VMF Substation 06-1810(6) Material Subr 06-1820(6C) Factory Acc q 06-1820(6) Factory Acc q 06-1820(6) Delivery to Sit ocurement for Drainage System 6 6-1820-1(6C) Material Subr ocurement for Cranage Equipment Material & Eq Aste Crane Delivery to Sit 06-1830 Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1870 Material & Eq 06-1870 Material & Eq 06-1870 Material & Eq 06-1910 Material & Eq 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1930 Material & Eq 06-1930 EOTC Deliver 06-8310(M57) Material & Eq 06-8310(M57) Material Proc 06-8310(M57) Material Proc 06-2160(1) Material Proc | ubmission and Approval ubmission & Equipment Procurement (for IW MF Substation) | 30 | | 100% 01-Mar-22 A | | 02-Jul-24 02-Jul-24 | 491 | | 28-Feb-23, Material |
| 6-1820(6C) Material Subr Ocurement for Fire Services System VMF Substation Material Subr 06-1810(6) Material Subr 06-1820(6) Factory Acc q 06-1820(6) Delivery to Sit ocurement for Drainage System 6-1620-1(6C) Material Subr Material Subr ocurement for Cranage Equipment Material & Equipment Vaste Crane Material & Equipment 06-1720 Material & Equipment 06-1830 Material & Equipment 06-1820 Material & Equipment 06-1830 Material & Equipment 06-1830 Material & Equipment 06-1830 Material & Equipment 06-1910 Material & Equipment 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-8310(M57) Material & Equipment 06-8310(M57) Material Proc 06-8310(M57) Material Proc 06-2160(1) Material Proc | ubmission & Equipment Procurement (for IWMF Substation) | | 120 30 | 28-Feb-23 0% 28-Feb-23 | 27-Jun-23 29-Mar-23 | 05-Mar-23 02-Jul-23 24-May-23 22-Jun-23 | 5 85 | | - |
| Cocurement for Fire Services System VMF Substation Material Subr 06-1810(6) Material Subr 06-1820(6) Factory Acc q 06-1820(6) Delivery to Sit occurement for Drainage System 6-1620-1(6C) Material Subr occurement for Cranage Equipment Vaste Crane Material & Equipment 06-1720 Material & Equipment 06-1830 Material & Equipment 06-1910 Material & Equipment 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-1940(M54) EOTC Deliver 06-8310(M57) Material & Equipment 06-8310(M57) Material X Equipment 06-8310(M57) Material X Equipment 06-2200(1) Delivery to Sit | | | 120 | 0% 28-Feb-23 | 29-101a1-23 | 05-Mar-23 02-Jul-23 | 5 | 28-Feb-23 | - |
| 06-1810(6) Material Subr 06-1820(6) Factory Acception 06-1830(6) Delivery to Si 06-1620-1(6C) Material Subr 06-1620-1(6C) Material Subr 06-1720 Material & Equipment Vaste Crane Material & Equipment 06-1720 Material & Equipment 06-1720 Material & Equipment 06-1720 Material & Equipment 06-1830 Material & Equipment 06-1870 Material & Equipment 06-1870 Material & Equipment 06-1970 Factory Acception 06-1920 Factory Acception 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-8310(M57) Material & Equipment 06-8310(M57) Material & Equipment 06-2160(1) Material X Equipment | | 363 | 90 | 31-May-22 A | 28-May-23 | 09-Mar-23 06-Jun-23 | 9 | | |
| 06-1820(6) Factory Acception 06-1830(6) Delivery to Sile 06-1830(6) Delivery to Sile 06-1620-1(6C) Material Subrect 06-1620-1(6C) Material Subrect 06-1720 Material & Equipment Masterial & Crane Material & Equipment 06-1720 Material & Equipment Material & Crane Material & Equipment 06-1720 Material & Equipment Material & Crane Material & Equipment 06-1830 Material & Equipment 06-1940 Material & Equipment 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-1940(M57) Material & Equipment 06-8310(M57) Material & Equipment 06-2160(1) Material & Equipment | | 363 | 90 | | | 09-Mar-23 06-Jun-23 | 9 | | |
| D6-1830(6) Delivery to Si ocurement for Drainage System 6-1620-1(6C) Material Subr ocurement for Cranage Equipment //////////////////////////////////// | ubmission & Equipment Procurement (For IWMF Substation) | 120 90 | 30 45 | 75% 31-May-22 A | | 09-Mar-23 07-Apr-23 | 9 | | |
| Ocurement for Drainage System 3-1620-1(6C) Material Subr Ocurement for Cranage Equipment Subr Aste Crane Material & Equipment 3-1720 Material & Equipment 3-6-1720 Material & Equipment 3-6-1830 Material & Equipment 3-6-1830 Material & Equipment 3-6-1910 Material & Equipment 3-6-1920 Factory Acception 3-6-1930 EOTC Deliver 3-6-1940(M54) EOTC Deliver 3-6-1940(M57) Material & Equipment 3-2160(1) Material X Equipment 3-2160(1) Material X Equipment | | 60 | 45 60 | 50% 01-Jan-23 A 0% 30-Mar-23 | 28-Apr-23 28-May-23 | 24-Mar-23 07-May-23 08-Apr-23 06-Jun-23 | 9 | | |
| ocurement for Cranage Equipment laste Crane b6-1720 Material & Equipment b6-1720 Material & Equipment b6-1720 Material & Equipment b6-1830 Material & Equipment b6-1830 Material & Equipment b6-1870 Material & Equipment b6-1870 Material & Equipment b6-1910 Material & Equipment b6-1920 Factory Acc equipment b6-1930 EOTC Deliver b6-1940(M54) EOTC Deliver b6-8310(M57) Material & Equipment b6-8310(M57) Material & Equipment b6-2160(1) Material Proc b6-2200(1) Delivery to Sit | | 120 | 120 | 28-Feb-23 | 27-Jun-23 | 05-Mar-23 02-Jul-23 | 5 | | |
| Waste Crane Material & Eq 06-1720 Material & Eq 06-1830 Material & Eq 06-1830 Material & Eq 06-1870 Material & Eq 06-1970 Material & Eq 06-1910 Material & Eq 06-1920 Factory Acc q 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-1940(M57) Material & Eq 06-8310(M57) Material & Eq 06-2160(1) Material Proc 6-2160(1) Material Proc 6-2200(1) Delivery to Sit | ubmission & Equipment Procurement (for IW MF Substation) | 120 | 120 | 0% 28-Feb-23 | 27-Jun-23 | 05-Mar-23 02-Jul-23 | 5 | 28-Feb-23 | |
| 06-1720 Material & Eq sh Crane Material & Eq 06-1830 Material & Eq shredder Material & Eq 06-1870 Material & Eq 06-1910 Material & Eq 06-1920 Factory Acc eq 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-8310(M57) Material & Eq 06-8310(M57) Material & Eq cocurement for Air Quality Monitorin 6-2160(1) Material Proc 6-2200(1) Delivery to Sit | nt | 481 | 116 | 02-Aug-21 A | | 17-Mar-23 17-Oct-23 | 116 | | |
| sh Crane 06-1830 Material & Eq shredder 06-1870 06-1870 Material & Eq corc 06-1910 06-1920 Factory Acception 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-8310(M57) Material & Eq cocurement for Air Quality Monitorin 6-2160(1) 6-2200(1) Delivery to Sit | Equipment Procurement | 180 180 | 62 62 | 02-Aug-21 A 65.56% 02-Aug-21 A | | 25-Jun-23 25-Aug-23 25-Jun-23 25-Aug-23 | 117 117 | | |
| Hredder 06-1870 Material & Eq 06-1910 Material & Eq 06-1920 Factory Acception 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver 06-8310(M57) Material & Eq 06-8310(M57) Material & Eq 06-8310(M57) Material & Eq 06-2160(1) Material Proc 6-2200(1) Delivery to Sit | | 180 | 0 | | 28-Feb-23 | | 232 | | |
| 06-1870 Material & Eq COTC 06-1910 Material & Eq 06-1920 Factory Acception 6-1930 06-1930 EOTC Deliver 1000000000000000000000000000000000000 | Equipment Procurement | 180 | 0 | v | | 17-Oct-23 17-Oct-23 | 232 | | l 28-Feb-23, Material |
| OTC Material & Eq 06-1910 Material & Eq 06-1920 Factory Acception 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver loist System EOTC Deliver 06-8310(M57) Material & Eq cocurement for Air Quality Monitorin 6-2160(1) 6-2200(1) Delivery to Sit | Equipment Procurement | 85 | 8 | 27-May-22 A 90.59% 27-May-22 A | | 19-Aug-23 26-Aug-23 19-Aug-23 26-Aug-23 | 156 156 | | |
| 06-1920 Factory Acception 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver loist System EOTC Deliver 06-8310(M57) Material & Equipart cocurement for Air Quality Monitorin 6-2160(1) 6-2200(1) Delivery to Site | | 266 | 100 | 19-Apr-22 A | | 17-Mar-23 24-Jun-23 | 1 | | |
| 06-1930 EOTC Deliver 06-1940(M54) EOTC Deliver loist System | Equipment Procurement | 180 | 30 | | · · | 17-Mar-23 15-Apr-23 | 1 | | • |
| D6-1940(M54) EOTC Deliver bist System D6-8310(M57) Material & Eq cocurement for Air Quality Monitorin 6-2160(1) Material Proc 6-2200(1) Delivery to Sit | ceptance Test (FAT) | 150 | 70 | 53.33% 11-Oct-22 A | | 17-Mar-23 25-May-23 | 1 | | |
| Initial System Material & Equal System 06-8310(M57) Material & Equal System Cocurement for Air Quality Monitorin 6-2160(1) 6-2160(1) Material Proc 6-2200(1) Delivery to Site | | 60 0 | 60 0 | 0% 25-Apr-23 0% 16-Mar-23 | 23-Jun-23* 16-Mar-23 | 26-Apr-23 24-Jun-23 20-Apr-23 20-Apr-23 | 1 36 | | 16-Mar-23 |
| Occurement for Air Quality Monitorin 6-2160(1) Material Proc 6-2200(1) Delivery to Sit | | 90 | 90 | | 28-May-23 | 24-May-23 21-Aug-23 | | | |
| 6-2160(1) Material Proc 6-2200(1) Delivery to Sit | Equipment Procurement | 90 | 90 | 0% 28-Feb-23 | 28-May-23 | 24-May-23 21-Aug-23 | 85 | 28-Feb-23 | |
| 6-2200(1) Delivery to Sit | | 165 | 106 | 31-Dec-22 A | | 02-Mar-23 13-Jun-23 | 0 | | |
| ., | | 150 30 | 74 30 | 50.67% 31-Dec-22 A 0% 15-May-23 | 12-May-23 13-Jun-23 | 02-Mar-23 14-May-23 15-May-23 13-Jun-23 | 2 | | • • |
| | | 16 | 16 | 09-Aug-22 A | | 01-Jun-23 17-Jun-23 | 94 | | |
| 6-1890(1) Factory Acc ep | c eptance Test (FAT) | 16 | 16 | 0% 09-Aug-22 A | 15-Mar-23 | 01-Jun-23 17-Jun-23 | 94 | | |
| ocurement for Pipes and Insulation | | 397 | 34 | 31-May-22 A | | 07-May-23 09-Jun-23 | 68 | | |
| | ubmission and Approval Equipment Procurement | 60 120 | 4 15 | 93.33% 31-May-22 A 87.5% 01-Jun-22 A | | 07-May-23 10-May-23 26-May-23 09-Jun-23 | 68 68 | | 03-Mar-23, Ma |
| | Materials (Doors, windows and louvers ie) | 204 | 204 | 05-Mar-23 | 24-Sep-23 | 05-Mar-23 02-Nov-23 | 39 | | |
| | ilding - Material Submission, Procurement, FAT and Delivery | 200 | 200 | 0% 09-Mar-23 | 24-Sep-23 | 17-Apr-23 02-Nov-23 | 39 | 0 | 0 <mark>9</mark> -Mar-23 |
| 5-8030(6)70 IW MF Substa | ostation - Material Submission, Procurement, FAT and Delivery | 150 | 150 | 0% 05-Mar-23 | 01-Aug-23 | 05-Mar-23 01-Aug-23 | 0 | 05-Ma | ar-23 |
| f-site Precasting of Facade Panels | | 115 | 115 | 14-Feb-23 A | | 04-Mar-23 26-Jun-23 | 4 | | |
| 6-8040(6D) Procurement VMF Substation | ent of Precast Concete Wall Panel Moulding & Fabrication | 60 90 | 25 90 | | 24-Mar-23 22-Jun-23 | 04-Mar-23 28-Mar-23 29-Mar-23 26-Jun-23 | 4 | 14-Feb-23 A | |
| | g of Concrete Panels | 60 | 90 60 | 0% 25-Mar-23 | 22-Jun-23 23-May-23 | 29-Mar-23 27-May-23 | 4 | | 25- |
| | c eptance Test (FAT) | 60 | 60 | 0% 24-Apr-23 | 22-Jun-23 | 28-Apr-23 26-Jun-23 | 4 | | |
| ocurement for IWMF Equipments fo | | 120 | 120 | 05-Mar-23 | 02-Jul-23 | 05-Mar-23 02-Jul-23 | 0 | | |
| . , | ubmission and Approval | 60 | 60 | 0% 05-Mar-23 | 03-May-23 | 05-Mar-23 03-May-23 | 0 | | ar-23 |
| S-8310(6E) Material & Eq | •• | 90 | 90 | 0% 05-Mar-23 | 02-Jun-23 | 05-Mar-23 02-Jun-23 | 0 | 05-Ma | ar-23 |
| Nonth Rolling Pro | Equipment Procurement | | | | | Rem | aining Work | Actual Milestone | |
| e 10 of 14 | •• | | | | | Actua | al Work | Critical Milestone | |

| Facil | . EP/SP/66/12 | 環境保護署 Environmental Protaction Department |
|----------------|--|--|
| 2 | 2023 Apr | Мау |
| | 65 | 66 |
| | 30-Mar-23, Piping installation, F | Piping installation, 30-Mar-23 |
| 2 1ar-23 | 29-Mar-23, Structure Cutting, Pa | nting & Pre-assembly, Structure Cutting, F 29-Apr-23, Erection & Fabrication |
| | 30-Apr-2 | |
| 1ar-23 | 29-Mar-23, Structure Cutting, Pa 30-Apr-2 | Inting & Pre-assembly, Structure Cutting, F 29-Apr-23, Erection & Fabrication |
| & Pre-ass | | tructure Cutting, Painting & Pre-assembly rection & Fabrication, 24-Apr-23, 24-Apr- |
| | 25-Apr-23 | rection & Fabrication, 24-Apr-23, 24-Apr- |
| | 25-Apr-23 | |
| | 28-Apr-23 | Erection & Fabrication, 27-Apr-23, 27-A |
| ipment Pro | ocurement, Material & Equipmer | nt Procurement, 28-Feb-23 |
| 2 | 29-Mar-23, Material Submission | and Approval |
| 2 | 29-Mar-23, Material Submission | & Equipment Procurement (For IWMF Su |
| 1ar-23 🗖 | | 28-Apr-23, Factory Acceptance Test (I |
| | | |
| | | 30-Apr-23, Material & Equipment P |
| ipment Pro | ocurement, Material & Equipmer | nt Procurement, 28-Feb-23 |
| l 23-Mar- | | rement, Material & Equipment Procureme |
| | 25-Apr-23 | aterial & Equipment Procurement, Materia 24-Ma |
| -23, EOTC | Delivery to Site Batch 1 | |
| | | 12-May-23, Material |
| 23 Factor | ry Acceptance Test (FAT) Factor | 15-May-23 |
| | and Approval, Material Submiss | |
| | 02-Apr-23, Material & Equip | ment Procurement, Material & Equipment |
| | | |
| 2 4-Mar | -23, Procurement of Precast Co | ncete Wall Panel Moulding & Fabrication, |
| | 24-Apr-23 🗖 | 23-May |
| | | 03-May-23, Material Submission |
| | i | |
| | | |

| KEPPEL SEGRERS - 201EN HUA D | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Complete | Current Finish | Late Start Late Finish | Total Float M63 Remarks | Feb | Mor |
|--|---|----------------------|-----------------------|--------------------------------------|------------------------|--|-------------------------|-------------------------|--|
| 00,0000(05) | Factory Acceptance Test (FAT) | | | | 00. (v) 00 | 04 May 02 00 Jul 02 | 0 | 63 | 64 |
| 06-8320(6E) Delivery of Cast-in pip | es, Fittings and Anchor Bolts for Structures (if applicable) | 60 0 | 60 0 | 0% 04-May-23 | 02-Jul-23 28-Feb-23 | 04-May-23 02-Jul-23 06-Mar-23 02-May-23 | 63 | | |
| 04-1805(6F) | Wastewater Treatment Plant (30d) | 0 | 0 | 0% 28-Feb-23 | | 02-May-23 | 63 | | Wastewater Treatment PI |
| 04-1815(6F) | Turbine Hall Building (30d) | 0 | 0 | 0% 28-Feb-23 | | 06-Mar-23 | 6 | | Turbine Hall Building (30c |
| 04-1820(6F) | Compressor & CCCW Building (90d) | 0 | 0 | 0% 28-Feb-23 | | 10-Mar-23 | 11 | | Compressor & CCCW Bu |
| 04-1870(6F) 04-1880(6F) | Elevated Drive Way and Associated Structures (90d) IW MF Substation (30d) | 0 | 0 | 0% 28-Feb-23 0% 28-Feb-23 | | 03-Apr-23 27-Mar-23 | 34 27 | | Elevated Drive W ay and A IW MF Substation (30d), 2 |
| Aaritime Works | | 1306 | 170 | | 16-Aug-23 | 03-Mar-23 02-Dec-23 | 108 | | |
| Marine Construction | | 1306 | 170 | 30-Nov-19 A | 16-Aug-23 | 03-Mar-23 02-Dec-23 | 108 | | |
| Phase I - Construction of | | 1176 | 170 | | 16-Aug-23 | 01-May-23 02-Dec-23 | 108 | | |
| Seawall and Berth at DC | | 973 | 93 | | 31-May-23 | 01-May-23 02-Dec-23 | 185 | | |
| Seawall Structural Worl 08-1115(3) | Caisson infill, Solid ballast, toe protection, precast concrete blocksetc Laying | 973 250 | 93 63 | | 31-May-23 | 01-May-23 02-Dec-23 01-May-23 02-Jul-23 | 185 62 | | |
| Remain Works | | 293 | 93 | | 31-May-23 | 19-May-23 02-Dec-23 | 185 | | - |
| 08-1120 | Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall A | 220 | 75 | 65.91% 10-Oct-21 A | 31-May-23 | 19-May-23 01-Aug-23 | 62 | | |
| 08-1120-1(6) | Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B | 220 | 75 | | - | 19-Sep-23 02-Dec-23 | 203 | | [|
| 08-1120-2(M55) | Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C1 | 60 | 30 | 50% 31-May-22 A | | 19-Oct-23 17-Nov-23 | 233 | | |
| 08-1120-4(M55) Seawall at Dredging Area | Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level for Seawall B No. C7 | 60 160 | 30 43 | 50% 31-May-22 A | 16-Aug-23 | 04-Jun-23 03-Jul-23 20-Oct-23 02-Dec-23 | 96 108 | | |
| Remain Works | | 160 | 43 | | | 20-Oct-23 02-Dec-23 | 108 | | |
| 08-1170 | Construction of Seawall and Wave Wall Extension from +3mPD to Deck Level (Bay 1 to Bay 8) | 160 | 43 | 73% 11-Jul-22 A | 16-Aug-23 | 20-Oct-23 02-Dec-23 | 108 | | - |
| | reakwater and Berth Construction | 789 | | | 27-Jun-23 | 03-Mar-23 31-Jul-23 | 34 | | |
| Reclamation | | 131 | 72 | | 10-May-23 | 03-Mar-23 13-May-23 | 3 | | |
| Reclamation Works Surcharge Period | | 131 60 | 72 47 | | 10-May-23 15-Apr-23 | 03-Mar-23 13-May-23 03-Mar-23 18-Apr-23 | 3 | | |
| 08-3130(6) | Loading @ +11&+13mPD at South Edge Area (Area 5) | 60 | 47 | | | 03-Mar-23 18-Apr-23 | 3 | | |
| Surcharge Removal | | 131 | 72 | | 10-May-23 | 03-Mar-23 13-May-23 | 3 | | |
| 08-3200-2(M57) | Remove Surcharge at West Edge Area (Area 7B1) (30,500 m3 @ 4000 m3/d) | 45 | 33 | 26.67% 01-Jan-23 A | 01-Apr-23 | 03-Mar-23 04-Apr-23 | 3 | | |
| 08-3210(6) | Rem ove Surcharge at South Edge Area (Area 5) (96,700 m3 @ 4000m 3/d) | 25 | 25 | 0% 16-Apr-23 | 10-May-23 | 19-Apr-23 13-May-23 | 3 | | |
| Breakwater | Coisses bill Calidhellest to evolution evocat consult blacks, stal avier | 516 | 83 20 | | 21-May-23 | 12-Jun-23 31-Jul-23 | 71 | | |
| 08-1295(3) Remain Works | Caisson Infill, Solid ballast, toe protection, precast concrete blocksetc Laying | 200 120 | 20 | | 19-Mar-23 | 12-Jun-23 01-Jul-23 02-Jul-23 31-Jul-23 | 104 71 | | |
| 08-1300 | Construction of Caissons Extension from +3mPD to Deck Level | 120 | 30 | 75% 31-May-22 A | - | 02-Jul-23 31-Jul-23 | 71 | | |
| Seawall and Berth at Ma | rine Access | 179 | 120 | 08-Feb-21 A | 27-Jun-23 | 03-Apr-23 01-Jul-23 | 4 | | |
| 08-1320(5A) | Caisson Infill, Solid ballast, toe protection, precast concrete blocksetc Laying | 90 | 23 | | | 10-May-23 01-Jun-23 | 71 | | |
| Seawater Intake Structu 08-2400(6D) | Construction of Seawater Intake | 90 90 | 90 90 | 30-Mar-23 0% 30-Mar-23 | 27-Jun-23 27-Jun-23 | 03-Apr-23 01-Jul-23 03-Apr-23 01-Jul-23 | 4 | | 30 |
| oundation Works | Construction of Seawater Intake | 225 | 166 | | 12-Aug-23 | 28-Dec-22 20-Jul-23 | -23 | | |
| | ing Gallery Bld Foundation | 79 | 79 | | 17-May-23 | 16-Apr-23 03-Jul-23 | 47 | | |
| | g Gallery Bld Piling Works (Driven H-pile) | 79 | 79 | | | 16-Apr-23 03-Jul-23 | 47 | | |
| 09-1060 | Driven H Pile Installations (141 nrs ~60m(D) & (16 nrs ~60m(D), @ 60m/d 2 Groups) | 79 | 79 | | - | 16-Apr-23 03-Jul-23 | 47 | 28-Feb-23 | |
| | ste Bunker & Tipping Hall Bld Foundation | 42 | 42 | | 10-Apr-23 | 24-Mar-23 30-Jun-23 | 81 | | |
| Process Building Pile Ca | | 42 | | | 10-Apr-23 | 24-Mar-23 30-Jun-23 | 81 | | |
| Pile Cap Stage 1 (Modul Process Building (Mod | | 28 28 | | | 15-Mar-23 | 21-May-23 30-Jun-23 21-May-23 30-Jun-23 | 107 107 | | |
| 09-1180 | Excavation to Pile Cap Formation | 25 | 13 | | | 21-May-23 02-Jun-23 | 82 | b-23 A | 12-Mar-2 |
| 09-1190 | Pile Cut-off & Capping Plate (76 nrs, 4nr/d) | 19 | 2 | 89.47% 23-Feb-23 A | 15-Mar-23 | 29-Jun-23 30-Jun-23 | 107 | 3-Feb-23 A, 23-Feb-23 A | 🗖 15-Ma |
| _Pile Cap Stage 2 (Modul | | 36 | 1 | | 28-Feb-23 | 23-Apr-23 23-Apr-23 | 54 | | |
| Process Building (Mod | | 36 | 1 | | 28-Feb-23 | 23-Apr-23 23-Apr-23 | 54 | | |
| 09-2390 Pile Cap Stage 3 (Modul | Pile Caps and Raft Foundation Construction (50m x 36m 4set @100m2/7d) | 36 42 | | 97.23% 08-Feb-23 A 28-Feb-23 | 28-Feb-23 10-Apr-23 | 23-Apr-23 23-Apr-23 24-Mar-23 31-May-23 | 54 51 | -23 A | 28-Feb-23, Pile Caps ar |
| Process Building (Mod | | 42 | | | 10-Apr-23 | 20-Apr-23 31-May-23 | 51 | | |
| 09-1240 | Excavation to Pile Raft Foundation Formation | 25 | 25 | 0% 28-Feb-23 | 24-Mar-23 | 20-Apr-23 14-May-23 | 51 | 28-Feb-23 | |
| 09-1250 | Pile Cut-off & Capping Plate (168 nrs, 10nr/d) | 17 | 17 | 0% 10-Mar-23 | 27-Mar-23 | 05-May-23 22-May-23 | 56 | | 10-Mar-23 |
| 09-1260 | Pile Caps and Raft Foundation Construction (60m x 24m 4set@100m2/7day) | 26 | 26 | 0% 15-Mar-23 | 10-Apr-23 | 05-May-23 31-May-23 | 51 | | 15-Mar-23 |
| 09-2550 | Excavation to Pile Cap Formation Pile Cut-off & Capping Plate (22 nrs, 4nr/d) | 25 6 | 25 6 | 0% 28-Feb-23 0% 21-Mar-23 | 24-Mar-23 27-Mar-23 | 27-Apr-23 21-May-23 | 58 | 28-Feb-23 | Of Mar 00 |
| 09-2570 | Pile Cut-off & Capping Plate (22 nrs, 4nr/d) Pile Caps Construction (5nrs 2set @ 1/7d) | 18 | 18 | 0% 21-Mar-23 | 03-Apr-23 | 18-May-23 24-May-23 13-May-23 31-May-23 | 58 | | 16-Mar-23 |
| Process Building (Mod | | 39 | 39 | | 07-Apr-23 | 24-Mar-23 04-May-23 | 26 | | |
| 09-2420 | Excavation to Pile Raft Foundation Formation | 25 | 25 | 0% 28-Feb-23 | 24-Mar-23 | 24-Mar-23 17-Apr-23 | 24 | 28-Feb-23 | |
| 09-2430 | Pile Cut-off & Capping Plate (338 nrs, 15nr/d) | 23 | 23 | 0% 04-Mar-23 | 27-Mar-23 | 11-Apr-23 04-May-23 | 37 | 04-Ma | |
| 09-2440 | Pile Caps and Raft Foundation Construction (60m x 32m 4set@100m2/7day) | 21 | 21 | 0% 18-Mar-23 | 07-Apr-23 | 11-Apr-23 01-May-23 | 24 Delink FS to 09-2570 | | 18-Mar-23 💻 |
| Process Building - Boi RC Base Slab | iler & Flue Gas Treatment Bid Foundation | 50 | 10 | | 09-Mar-23 | 06-Mar-23 15-Mar-23 06-Mar-23 15-Mar-23 | 6 | | |
| To Dase olau | | 50 | 10 | 23-Dec-227 | 03-11/101-23 | 00-Ivial-23 13-Ivial-23 | 6 | | |

| 3-Month Rolling | Programme | (February | y 2023) |
|------------------------|-----------|-----------|----------------|
|------------------------|-----------|-----------|----------------|

Page 11 of 14

Remaining Work Actual Work

Actual Milestone

♦ ♦ Critical Milestone

Critical Remaining Work

Milestone

| Facil | . EP/SP/66/12 lities, Phase 1 |
|-------------|--|
| | Apr May 65 66 |
| | 04-May-23 |
| | |
| nt (30d), 2 | 8-Feb-23 |
| 28-Feb-2 | 3 |
| lding (90d |), 28-Feb-23 |
| sociated | Structures (90d), 28-Feb-23 |
| -Feb-23 | |
| | |
| | |
| | |
| | |
| | |
| | 01-May-23, Caisson infill, Solid ba |
| | |
| | 10 May 00 Caracter |
| | 13-May-23, Constru 29-Mar-23, Construction of Seawall and Wave Wall Extension from +3mPI |
| | 29-Mar-23, Construction of Seawall and Wave Wall Extension from +3mPt |
| | |
| | |
| | <u>.</u> |
| | |
| | \ |
| | / |
| | |
| | 15-Apr-23, Loading @ +11&+13mPD at South Edge A |
| | |
| | 01-Apr-23, Remove Surcharge at West Edge Area (Area 7B1) (30,500 r |
| | 16-Apr-23 10-May-23, Remove Su |
| | |
| Mar-23, C | aisson Infill, Solid ballast, toe protection, precast concrete blocksetc Lay |
| | 01 May 01 |
| | 21-Way-24 |
| 22-Mar-2 | 3, Caisson Infill, Solid ballast, toe protection, precast concrete blocksetc |
| | · · · · · · · · · · · · · · · · · · · |
| lar-23 🔲 | |
| | |
| | |
| | |
| | 17-May-23, Dri |
| | · · |
| | |
| | |
| Every 1 | to Dila Can Formation Formation to Dila Can Formation to Dila Can |
| | n to Pile Cap Formation, Excavation to Pile Cap Formation, 12-Mar-23 ut-off & Capping Plate (76 nrs, 4nr/d), Pile Cut-off & Capping Plate (76 nrs |
| 20, 11180 | ar on a capping riale (70 ms, 4 m/u), rine our on a capping riale (70 ms |
| | |
| Raft Found | dation Construction (50m x 36m 4set @100m2/7d), Pile Caps and Raft Fou |
| | |
| | |
| 24-Mar | -23, Excavation to Pile Raft Foundation Formation |
| 27- | Mar-23, Pile Cut-off & Capping Plate (168 nrs, 10nr/d) |
| | 10-Apr-23, Pile Caps and Raft Foundation Construction (60n |
| | -23, Excavation to Pile Cap Formation |
| 27- | Mar-23, Pile Cut-off & Capping Plate (22 nrs, 4nr/d) |
| | 03-Apr-23, Pile Caps Construction (5nrs 2set @ 1/7d) |
| |) 20 Eventuation to Dilo Doft Exception Exception |
| | r-23, Excavation to Pile Raft Foundation Formation |
| 27- | Mar-23, Pile Cut-off & Capping Plate (338 nrs, 15nr/d) |
| | 07-Apr-23, Pile Caps and Raft Foundation Construction (60m x |
| | |
| e Slab St | age 3 (Module 3), Base Slab Stage 3 (Module 3), 09-Mar-23 |
| | |
| | |
| | |
| | |
| | |

| | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Complete | Current Finish | Late Start | Late Finish | Total Float | M63 Remarks | Feb 63 | Mar |
|--|---|----------------------|-----------------------|---------------------------------------|------------------------|------------------------|------------------------|-------------|------------------------|--------------------------|--------------------|
| C Equipment Found | dation | 87 | 87 | 03-Feb-23 A | 25-May-23 | 24-Mar-23 | 08-Jun-23 | 14 | | | |
| CC Piling Works (Driver | | 15 | 15 | | 14-Mar-23 | | 11-Apr-23 | 28 | | | |
| 9-1680 CC Pile Cap Construction | Pile Load Test | 15 | 15 57 | | 14-Mar-23 | | 11-Apr-23 09-May-23 | 28 14 | | 28-Feb-23 | 14-N |
| 9-1700 | Pile Cut-off & Capping Plate (Module 1) | 18 | 37 | | · · · · | | 26-Mar-23 | 24 | | | 02-Mar-23, Pile Cu |
| 9-1710 | Pile Caps Construction (Module 1) | 30 | 30 | 0% 13-Mar-23* | 11-Apr-23 | | 25-Apr-23 | 14 | | | 13-Mar-23* |
| 9-1710-1(6) | Tie Beams Construction (Module 1 @+6.5mPD) | 30 | 30 | 0% 27-Mar-23 | 25-Apr-23 | | 09-May-23 | 14 | | | 27-1 |
| CC Equipment Structur 9-1720 | | 30 30 | 30 30 | | 25-May-23 25-May-23 | | 08-Jun-23 | 14 | | | |
| rbine Hall Bld Foun | Base Slab Construction (Module 1 @+6.5mPD) | 166 | 30 166 | | - | - | 08-Jun-23 01-Jun-23 | -72 | | | |
| rbine Hall Pile Caps Co | | 166 | 166 | | - | | 01-Jun-23 | -72 | | | |
| 9-1750 | Excavation to Pile Cap Formation | 21 | 7 | | | | 03-Jan-23 | -62 | | | Excavation to I |
| 9-1750-1(M62) | Excavation & construction of 4.2x5.5m pit for TBS1 @2mPD | 21 | 5 | 76.19% 14-Feb-23 A | | | 04-Apr-23 | 31 | | 14-Feb-23 A | 04-Mar-23, Excav |
| 9-1760 9-1770 | Pile Cut-off & Capping Plate (98 nrs, @10nr/d) Pile Caps and Ground Beam Construction for TBS1 & Electrical Bld to +6.3mPD | 10 | 8 22 | 20% 07-Feb-23 A 26.67% 15-Feb-23 A | | | 11-Jan-23 18-Jan-23 | -56 | | 23 A . 15-Feb-23 A | Pile Cut-off |
| 9-1770-1(M58) | Install anchor bolts & Floor Finishes for TBS1 @+6.3mPD (Post-drilling) | 14 | 14 | 0% 30-Mar-23 | 12-Apr-23 | | 18-Apr-23 | 6 | | | |
| 9-1770-2(6G) | Pile Cut-off & Capping Plate (121 nrs, @10nr/d) | 12 | 12 | 0% 18-Jul-23 | 29-Jul-23 | 07-May-23 | 18-May-23 | -72 | | | |
| 9-1770-3(M62) | Excavation & construction of 4.2x5.5m pit for TBS2&3 @2mPD | 21 | 21 | 0% 18-Jul-23 | 07-Aug-23 | | 01-Jun-23 | -67 | | | |
| 9-1780 mpressor & CCCW | Pile Caps Construction | 14 58 | 14 97 | | 12-Aug-23 | | 01-Jun-23 08-Jun-23 | -72 -7 | | | |
| CCW Pile Caps Constru | | 58 | 97 | | | <u> </u> | 08-Jun-23 | -7 | | | |
| 9-2340 | Excavation to Pile Cap Formation | 43 | 40 | 6.98% 06-Feb-23 A | | | 19-May-23 | 31 | | 3 A 🗖 | |
| 9-2350 | Pile Cut-off & Capping Plate (68 nrs, @10nr/d) | 28 | 26 | 7.14% 14-Feb-23 A | | | 20-May-23 | 31 | | 14-Feb-23 A | - |
| 9-2350-1(6) | Pile Caps Construction to +5.85mPD (9 nrs, @0.2nr/d) | 45 | 42 | 6.67% 21-Feb-23 A | | · · | 05-Jun-23 | 40 | | eb-23 A, 21-Feb-23 A | _ |
| 9-2360 Plant & WT Bld Fou | Ground Beam Construction to +6.25mPD | 45 198 | 45 139 | 0% 01-May-23 23-Dec-22 A | 14-Jun-23 | · · | 08-Jun-23 20-Jul-23 | -7 | | | |
| Flant & WT Bld Piling | | 194 | 62 | | | | 14-Jun-23 | 45 | | | |
| IT & WT Plant (Driven H | H-pile) | 194 | 62 | 23-Dec-22 A | 30-Apr-23 | 04-Mar-23 | 14-Jun-23 | 45 | | | |
| 09-1870 | Driven H Pile Installations (208 nrs ~45m(D), @60m/d 1 Group) | 156 | 56 | | | · | 14-Jun-23 | 51 | | | |
| 09-1870-1(M54) | Driven H Pile Installations (174 nrs ~45m(D), @60m/d 1 Group) | 131 | 62 | | | | 04-May-23 | 4 | | | |
| F Plant & WT Bld Pile C IT Plant Pile Cap Consi | | 70 | 70 70 | | 16-Jul-23 | 12-May-23 12-May-23 | 20-Jul-23 | 4 | | | |
| 09-1920 | Excavation to Pile Cap Formation | 25 | 25 | | 01-Jun-23 | | 05-Jun-23 | 4 | | <u>_</u> | |
| 09-1930 | Pile Cut-off & Capping Plate (410nrs, @20/d) | 21 | 21 | 0% 15-May-23 | 04-Jun-23 | 19-May-23 | 08-Jun-23 | 4 | | | |
| 09-1940 | Pile Caps Construction | 60 | 60 | 0% 18-May-23 | 16-Jul-23 | - | 20-Jul-23 | 4 | | | |
| MF Substation Build MF Substation Piling V | | 110 | 67 | | 05-May-23 | | 25-Apr-23 | -10 | | | |
| 9-1980 | Driven H Pile Installations (84 nrs ~50m(D), @60m/d 1 Group) | 70 70 | 16 8 | | | | 05-Mar-23 25-Feb-23 | -10 -10 | Revised 74nrs to 84nrs | | Driven H Pil |
| 9-1990 | Pile Load Test | 8 | 8 | 0% 08-Mar-23 | 15-Mar-23 | | 05-Mar-23 | -10 | | 08 | Nor 22 |
| MF Substation Pile Ca | | 51 | 51 | | 05-May-23 | | 25-Apr-23 | -10 | | | |
| 9-2000 | Excavation to Pile Cap Formation | 30 | 30 | | | | | -10 | | | 16-Mar-23 💻 |
| 9-2010 9-2020 | Pile Cut-off & Capping Plate Pile Caps Construction (24nrs, 4sets @1nr/7d) | 30 | 30 30 | 0% 23-Mar-23 0% 06-Apr-23 | 21-Apr-23 05-May-23 | | 11-Apr-23 25-Apr-23 | -10 -10 | | | 23-Mar- |
| | d Associated Structures Foundation | 127 | 114 | | | | 24-Jun-23 | 3 | | | |
| | g Works (Driven H-pile) | 119 | 106 | | _ | 03-Mar-23 | 16-Jun-23 | 3 | | | |
| 9-2020(M57) | Predrilling for Driven Pile founding determination (30nr ~60m, @15m/d, 4 Rigs) | 23 | 18 | | | | 20-Mar-23 | 3 | | | |
| 9-2030(M57) | Driven H Pile Installations Grid RSA - RSG (248 rrs ~50m (D), @60m/d 4 Groups) | 52 | 52 | 0% 18-Mar-23 | 08-May-23 | | 11-May-23 | 3 | | | 18-Mar-23 |
| 9-2030-2(M45) evated Drive Way Pile (| Driven H Pile Installations Grid RSY - RSAF (74nrs ~55m(D), @60m/d 2 Groups) | 34 | 34 44 | 0% 11-May-23 09-May-23 | 13-Jun-23 | | 16-Jun-23 24-Jun-23 | 3 | | | |
| levated Drive Way RSA | | 44 | 44 | | 21-Jun-23 | | 24-Jun-23 | 3 | | | |
| 09-2050(M57) | Excavation to Pile Cap Formation | 30 | 30 | 0% 09-May-23 | 07-Jun-23 | | 10-Jun-23 | 3 | | | |
| 09-2060(M57) | Pile Cut-off & Capping Plate | 30 | 30 | | 21-Jun-23 | | 24-Jun-23 | 3 | | | |
| pe Bridge Foundatic pe Bridge B | on and a second s | 35 | 35 35 | | | | 13-Mar-23 13-Mar-23 | -83 -83 | | | |
| ipe Bridge B Pile Caps | | 35 | 35 | | | | 13-Mar-23 | -83 | | | |
| 09-2470 | Excavation to Pile Cap Formation | 21 | | 33.33% 02-Feb-23 A | _ | | 20-Feb-23 | | SS to 13-1640 missing | | |
| 09-2480 | Pile Cut-off & Capping Plate (33 nrs, @ 4nr/d) | 21 | 14 | 33.33% 08-Feb-23 A | 21-May-23 | 14-Feb-23 | 27-Feb-23 | -83 | | -23 A | - |
| 09-2490 | Pile Caps Construction to +5.0mPD (33nr, 4set@ 1nr/7d) | 30 | 23 | 23.33% 14-Feb-23 A | | | 13-Mar-23 | -83 | | 14-Feb-23 A | - |
| avy Load Access | | 20 | 20 20 | , | | | 01-Jun-23 01-Jun-23 | 12 12 | | | |
| 9-3020(6D) | Rem oval of Sub Base & Road Base & Foundation Works (Stage 1) | 20 | 20 | | 20-May-23 | | 01-Jun-23 | 12 | | <u>_</u> | |
| perstructural Wor | | 173 | 173 | 08-Feb-23 A | | - | 12-Jul-23 | -38 | | | |
| | aste Bunker & Tipping Hall Bld Structure | 73 | 74 | 08-Feb-23 A | 12-May-23 | 24-Apr-23 | 12-Jul-23 | 61 | | | |
| aste & Ash Bunker Bld | Structure | 73 | 74 | | 12-May-23 | | | 61 | | | |
| rocose Building (Modu | Ile 1) Waste & Ash Bunker Bld Structure Beam & Slab to +6.0mPD | 21 | 21 | | | 22-Jun-23 | | 114 | | 28-Feb-23 A, 28-Feb-23 A | |
| 10-1110 | | 21 | 21 | | 20-Mar-23 | 22-Jun-23 | 10 1.1 00 | 114 | | | |

| 1 | . EP/SP/66/12 lities, Phase 1 |
|-----------------------|--|
| | Apr May 65 66 |
| Pilole | ar Taet |
| , Pile Lo | |
| Capping | Plate (Module 1), Pile Cut-off & Capping Plate (Module 1), 02-Mar-23 |
| 8 | 25-Apr-23, Tie Beams Construction (Mod |
| | 26-Apr-23 25-1 |
| | |
| & constr oping Pla | ation, 06-Mar-23, 06-Mar-23, Excavation to Pile Cap Formation fuction of 4.2x5.5m pit for TBS1 @2mPD, Excavation & construction of 4.2 te (98 nrs, @10nr/d), 08-Mar-23, 08-Mar-23, Pile Cut-off & Capping Plate and Ground Beam Construction for TBS1 & Electrical BId to +6.3mPD, 2 12-Apr-23, Install anchor bolts & Floor Finishes for TBS1 |
| | |
| | 18-Apr-23, Excavation to Pile Cap Formation, Exc |
| | 19-Apr-23, Pile Cut-off & Capping Plate (68 nrs, |
| | 26-Apr-23, Pile Caps Construction to +5 01-May-23 |
| | |
| | 24-Apr-23, Driven H Pile Installations (206 |
| | 30-Apr-23, Driven H Pile Installations (200 |
| | |
| | 08-May-23 |
| | 18-May-23 |
| llations (| |
| 3, Pile L | çad Test |
| | 14-Apr-23, Excavation to Pile Cap Formation |
| 06-Ap | 21-Apr-23, Pile Cut-off & Capping Plate 07-23 05-May-23, Pile Caps Const |
| | l |
| r-23, Pre | drilling for Driven Pile founding determination (30nr ~60m, @15m/d, 4 Rig 08-May-23, Driven H Pile |
| | 11-May-23 |
| | |
| | 09-May-23 23-May-23 |
| | |
| | |
| | Excavation to Pile |
| | |
| | |
| | 01-May-23 20-May-23 |
| | |
| | |
| -Mar-23, | Beam & Slab to +6.0mPD, Beam & Slab to +6.0mPD, 20-Mar-23 |

| | Activity Name | Original Duration | Duration | Activity Comp | | Current Finish | Late Start Late Finish | Total Float M63 Remarks | Feb | Mar | 2023 Apr |
|--|--|----------------------|----------|------------------|------------------------------|------------------------|---|-------------------------|--|--------------------------|---------------------------------------|
| Process Building (Module) | 2) Waste & Ash Bunker Bld Structure | 21 | 8 | | 08-Feb-23 A | 08-Mar-23 | 24-Apr-23 01-May-23 | 54 | 63 | 64 | 65 |
| 10-1200 | Beam & Slab to +2.5mPD | 21 | 8 | 61.9 | 9% 08-Feb-23 A | 08-Mar-23 | 24-Apr-23 01-May-23 | 54 | -23 A | 08-Mar-23, Beam & Sla | |
| | 3) Waste & Ash Bunker Bld Structure | 35 | | | 08-Apr-23 | 12-May-23 | 02-May-23 14-Jun-23 | 33 | | | |
| 10-1310 | Beam & Slab to +2.5mPD Column & Wall to +6.0m PD | 21 | | | 08-Apr-23 | 21-Apr-23 12-May-23 | 02-May-23 15-May-23 25-May-23 14-Jun-23 | 24 33 | | | 08-Apr-23 22-Apr |
| Process Building Control E | | 21 | | | 08-Feb-23 A | | 14-Jun-23 21-Jun-23 | 90 | | | |
| 10-2330 | Column & Wall to +6.0m PD | 21 | 8 | 61.9 | % 08-Feb-23 A | 23-Mar-23 | 14-Jun-23 21-Jun-23 | 90 | -23 A | 23-N | lar-23, Column & Wall t |
| | er & Flue Gas Treatment Bld Structure | 109 | | | 28-Feb-23 | 16-Jun-23 | 16-Jan-23 28-Jun-23 | 12 | | | |
| Steel Structure | | 109 60 | | | | 16-Jun-23 28-Apr-23 | 16-Jan-23 28-Jun-23 19-Mar-23 28-Jun-23 | 12 61 | | | |
| Boiler Building Steel Struc Process Building (Module | 1) Steel Structure Erection | 60 | | | 28-Feb-23 | 28-Apr-23 | 30-Apr-23 28-Jun-23 | 61 | | | |
| 10-1640 | Roof Cladding Installation | 60 | | C | % 28-Feb-23 | 28-Apr-23 | 30-Apr-23 28-Jun-23 | 61 | 28-Feb-23 | | · · · · · · · · · · · · · · · · · · · |
| | 3) Process Building Steel Structure Erection | 44 | | | 13-Mar-23 | 25-Apr-23 | 19-Mar-23 01-May-23 | 6 | | | |
| 10-1690 | Erection of Mega Columns (2nos @30d /column /gang x 2) Steel Roof Truss Ground Assembly Works | 30 | | | 13-Mar-23 | 11-Apr-23 11-Apr-23 | 19-Mar-23 17-Apr-23 19-Mar-23 17-Apr-23 | 6 | | 13-Mar-23 13-Mar-23 | 11-A |
| 10-1710 | Steel Roof Truss Lifting (BM3) | 14 | | | 1% 12-Apr-23 | 25-Apr-23 | 18-Apr-23 01-May-23 | 6 | | 13-101d1-23 | 12-Apr-23 |
| Flue Gas Treatment Bld Ste | | 99 | 99 | | | 16-Jun-23 | 16-Jan-23 06-Jun-23 | -10 | | | |
| Process Building (Module | 1) Steel Structure Erection | 14 | | | 10-Mar-23 | 23-Mar-23 | 16-Jan-23 29-Jan-23 | -53 | | | |
| 10-1750 | Steel Roof Truss Lifting (FM 1) | 14 | | | 10-Mar-23 | 23-Mar-23 | 16-Jan-23 29-Jan-23 | -53 | | 10-Mar-23 23-N | lar-23, Steel Roof Truss |
| Process Building (Module 10-1770 | 2) Steel Structure Erection Erection of Mega Columns (1nos @30d /column /gang x 1) | 97 | | | 12-Mar-23 | 16-Jun-23 10-Apr-23 | 02-Mar-23 14-Apr-23 02-Mar-23 31-Mar-23 | -63 -10 | | 12-Mar-23 | 10-Ar |
| 10-1780 | Steel Roof Truss Ground Assembly Works | 30 | | | 12-Mai-23 | 27-May-23 | 02-Mar-23 31-Mar-23 | -57 | | | 10 ⁻ A |
| 10-1790 | Steel Roof Truss Lifting (FM2) | 14 | 14 | C | 0% 03-Jun-23 | 16-Jun-23 | 01-Apr-23 14-Apr-23 | -63 | | | |
| | 3) Steel Structure Erection | 49 | | | 12-Apr-23 | 30-May-23 | 08-May-23 06-Jun-23 | 7 | | | |
| 10-1810 | Erection of Mega Columns (1nos @30d /column /gang x 1) | 30 | | | 12-Apr-23 | 11-May-23 | 08-May-23 06-Jun-23 | 26 | | | 12-Apr-23 |
| 10-1820 Furbine Hall Bld Structur | Steel Roof Truss Ground Assembly Works | 30 | | | 01-May-23 | 30-May-23 | 08-May-23 06-Jun-23 19-Jan-23 15-Jun-23 | -65 | | | |
| Turbine Hall Electrical Bld | | 63 | | | 14-Feb-23 A | - | 04-Apr-23 05-Jun-23 | 13 | | | |
| 10-1910 | Slab to +6.0mPD | 14 | 21 | C | 14-Feb-23 A | 11-Apr-23 | 04-Apr-23 24-Apr-23 | 13 | 14-Feb-23 A | | 11-A |
| 10-1920 | Column & Wall to + 15.0mPD | 14 | | - | 12-Apr-23 | 25-Apr-23 | 25-Apr-23 08-May-23 | 13 | | | 12-Apr-23 |
| 10-1930 | Beam & Slab to +15.0mPD Column & Wall to +19.5mPD | 14 | | | 0% 26-Apr-23 0% 10-May-23 | 09-May-23 23-May-23 | 09-May-23 22-May-23 23-May-23 05-Jun-23 | 13 | | | |
| Turbine Hall TBS1 | | 89 | | - | | 18-Jun-23 | 19-Jan-23 17-Apr-23 | -62 | | | |
| 10-2300 | Ground Beam and Slab to +6.0m PD | 14 | 14 | C | % 22-Mar-23 | 04-Apr-23 | 19-Jan-23 01-Feb-23 | -62 | | 22-Mar-23 | 04-Apr-23, G |
| 10-2310 | Column & Wall to + 15.0mPD & +23.5mPD | 45 | | - | 0% 05-Apr-23 | 19-May-23 | 02-Feb-23 18-Mar-23 | -62 Revised to 45days | | 05-7 | Apr+23 |
| 10-2320 | Beam & Slab to +28.0mPD | 30 | | | 0% 20-May-23 | 18-Jun-23 | 19-Mar-23 17-Apr-23 15-Mar-23 14-Apr-23 | -62 Revised to 30days | | | |
| STG Foundation (PC1) 10-1990-1(M58) | STG Foundation construction and install anchor bolts @ +9.5 | 21 | | | 22-Mar-23 | 21-Apr-23 11-Apr-23 | 15-Mar-23 04-Apr-23 | -7 -7 | | 22-Mar-23 | 11-A |
| 10-1990-2(M58) | STG Foundation construction and install anchor bolts @ +10.77 | 10 | | | 12-Apr-23 | 21-Apr-23 | 05-Apr-23 14-Apr-23 | -7 | | | 12-Apr-23 |
| Turbine Hall TBS2 & 3 | | 21 | 21 | | 30-Jul-23 | 19-Aug-23 | 24-May-23 15-Jun-23 | -65 | | | |
| STG Foundation (PC2) | | 21 | 21 | | 30-Jul-23 | 19-Aug-23 | 24-May-23 13-Jun-23 | -67 | | | |
| 10-1990-3(M58) STG Foundation (PC3) | STG Foundation construction and install anchor bolts @ +9.5 | 21 | | | 30-Jul-23 30-Jul-23 | 19-Aug-23 19-Aug-23 | 24-May-23 13-Jun-23 26-May-23 15-Jun-23 | -67 -65 | | | |
| 10-1990-5(M58) | STG Foundation construction and install anchor bolts @ +9.5 | 21 | | | % 30-Jul-23 | 19-Aug-23 | 26-May-23 15-Jun-23 | -65 | | | |
| WMF Substation Structur | re | 42 | 42 | | 06-May-23 | 16-Jun-23 | 26-Apr-23 06-Jun-23 | -10 | | | |
| 10-2170 | Ground Slab and Beam to +6mPD | 21 | | | 0% 06-May-23 | 26-May-23 | 26-Apr-23 16-May-23 | -10 | | | |
| | Column, wall, beam and Slab to +9.0mPD | 21 | | | 27-May-23 28-Feb-23 | 16-Jun-23 28-Sep-23 | 17-May-23 06-Jun-23 23-Dec-22 19-Nov-23 | -10 52 | | | |
| rocess Equipment Ins | | 180 | | | | 28-Sep-23 | 01-May-23 19-Nov-23 | 52 | | | |
| | te Bunker & Tipping Hall BId Process Equipment Installation Illation and Connection Works | 180 | | | 01-Apr-23 01-Apr-23 | 28-Sep-23 | 01-May-23 19-Nov-23 | 52 | | | <u>-</u> |
| Process Building (WWTP) | | 180 | | | | 28-Sep-23 | 01-May-23 19-Nov-23 | 52 | | | · · · · · · · · · · · · · · · · · · · |
| 12-3120(6F) | Delivery of Embeded Piping above +2 to +10mPd (30days) | 0 | | | 1% | 01-Apr-23 | 01-May-23 | 30 | | | Delivery of Embed |
| 12-3160(6F) | Piping Installation Works | 180 | | | 02-Apr-23 | 28-Sep-23 | 24-May-23 19-Nov-23 | 52 | | 02-Apr- | |
| rocess Buildings - Boil Process Building (Installatio | er House & Flue Gas Treatment Bld Process Equipment Installation | 167 167 | | | 28-Feb-23 28-Feb-23 | 13-Aug-23 | 23-Dec-22 27-Jul-23 23-Dec-22 27-Jul-23 | -17 -17 | | | |
| TPU Train 1 | | 70 | | | 28-Feb-23 | 08-May-23 | 19-May-23 27-Jul-23 | 80 | | | |
| 13-1040 | Boiler Condition Check and Repair | 70 | | C | % 28-Feb-23 | 08-May-23 | 19-May-23 27-Jul-23 | 80 | 28-Feb-23 | | |
| TPU Train 2 | | 6 | | | 09-Mar-23 | 14-Mar-23 | 23-Dec-22 28-Dec-22 | -76 | | | |
| 13-1120 | Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 2) | 6 | 6 | C | | 14-Mar-23 31-May-23 | 23-Dec-22 28-Dec-22 01-Mar-23 06-Mar-23 | -76 -86 | (| 9-Mar-23 14-Mar-23, Deli | very, inspection and Tr |
| TPU Train 3 13-1210 | Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 3) | 6 | 6 | C | | 31-May-23 31-May-23 | 01-Mar-23 06-Mar-23 01-Mar-23 | -86 | | | |
| TPU Train 4 | | 6 | 6 | | 02-Jun-23 | 07-Jun-23 | 08-Mar-23 13-Mar-23 | -86 | | | |
| 13-1300 | Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 4) | 6 | 6 | C | 1% 02-Jun-23 | 07-Jun-23 | 08-Mar-23 13-Mar-23 | -86 | | | |
| TPU Train 5 | | 6 | 6 | | 01-Aug-23 | 06-Aug-23 | 07-May-23 12-May-23 | -86 | | | |
| 13-1390 | Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 5) | 6 | 6 | C | - | 06-Aug-23 | 07-May-23 12-May-23 | -86 | | | |
| TPU Train 6 | | 6 | 6 | | 08-Aug-23 | 13-Aug-23 | 14-May-23 19-May-23 | -86 | | | |
| Month Rolli | ng Programme (February 2023) | | | | | | Remair | 0 | Actual Milestone Critical Milestone | | |

| Contract No. Ianagement Faci | . EP/SP/66/12 lities, Phase 1 | 環境保護署 Environmental Protection Department |
|---------------------------------|---|---|
| Mar 64 | Apr 65 | May 66 |
| 08-Mar-23, Beam & Slab t 08- | 6 +2.5mPD, Beam & Slab to Apr-23 22-Apr-23 2 | • |
| | | 28-Apr-23, Roof Cladding Installation |
| Mar-23 | 11-Apr-23, Ste | action of Mega Columns (2nos @30d /column el Roof Truss Ground Assembly Works 25-Apr-23, Steel Roof Truss Lifting (BM3) |
| r-23 23-Mar- | 23, Steel Roof Truss Lifting (F | M1) |
| Mar-23 | 10-Apr-23, Ere 28-Apr-2 | ction of Mega Columns (1nos @30d /column 23 27 27 03-Jun-2 |
| | 12-Apr-23 01-M | |
| | 11-Apr-23, Siz 12-Apr-23 26-Apr-23 | ab to +6.0mPD, Slab to +6.0mPD, 11-Apr-23 25-Apr-23, Column & Wall to +15.0mPD 09-May-23, Beam & Slat 10-May-23 23-May |
| 22-Mar-23 | 04-Apr-23, Ground Bea | am and SIab to +6.0mPD |
| 05-Apr | | 19-May-23, 4 20-May-23 |
| | | 1-Apr-23, STG Foundation construction and in |
| | | 06-May-23 26- |
| | | 27-May-23 |
| 02-Apr-23 | { | ng above +2 to +10mPd (30days), |
| | | |
| | | 08-May-23, Boiler Conditi |
| 23 14-Mar-23, Deliver | , inspection and Transport Bo | iler Train to Position by SPMT (TPU Train 2) |
| | | 26-May-23 |
| | | 02 001-20 |
| | | |

| 古町五格数 KEPPEL SEGILERS-2 | - 板草贈 骨会で BEN HUA ADDY VENTUR | | | | | | | | Integrated Wast | e Management Fac | o. EP/SP/66/12 cilities, Phase 1 | 環境1來讀:著 Environmental Protection Departm |
|----------------------------|---|----------------------|-----------------------|--------------------------------------|----------------|-----------------|-----------------|------------------|-----------------|------------------|-------------------------------------|---|
| ivity ID | Activity Name | Original Duration | Remaining Duration | Activity % Current Start Complete | Current Finish | Late Start Late | Finish Total Fl | loat M63 Remarks | Feb | Mar | 2023 Apr | May |
| 13-1480 | Delivery, inspection and Transport Boiler Train to Position by SPMT (TPU Train 6) | 6 | 6 | 0% 08-Aug-23 | 13-Aug-23 | 14-May-23 19- | Mav-23 -8 | 86 | 63 | 64 | 65 | 66 |
| | Installation of Flue Gas Module) | 91 | 91 | 23-Apr-23 | 22-Jul-23 | 30-Jan-23 27- | , | 86 | | | | |
| FGC Train 1 | | 6 | 6 | 23-Apr-23 | 28-Apr-23 | 30-Jan-23 04- | Feb-23 -8 | 83 | | | | |
| 13-1570 | Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 1) | 6 | 6 | 0% 23-Apr-23 | 28-Apr-23 | 30-Jan-23 04- | Feb-23 -8 | 83 | | | 23-Apr-23 28 | -Apr-23, Delivery, inspection and |
| FGC Train 2 | | 6 | 6 | 30-Apr-23 | 05-May-23 | 06-Feb-23 11- | Feb-23 -8 | 83 | | | | |
| 13-1640 | Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 2) | 6 | 6 | 0% 30-Apr-23 | 05-May-23 | 06-Feb-23 11- | Feb-23 -8 | 83 | | | 30-Apr-23 📕 | 05-May-23, Delivery, inspe |
| FGC Train 3 | | 6 | 6 | 10-Jul-23 | 15-Jul-23 | 15-Apr-23 20- | Apr-23 -8 | 86 | | | | |
| 13-1710 | Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 3) | 6 | 6 | 0% 10-Jul-23 | 15-Jul-23 | 15-Apr-23 20- | Apr-23 -8 | 86 | | | | |
| FGC Train 4 | | 6 | 6 | 17-Jul-23 | 22-Jul-23 | 22-Apr-23 27- | Apr-23 -8 | 86 | | | | |
| 13-1780 | Delivery, inspection and Transport Flue Gas Train to Position by SPMT (FGC Train 4) | 6 | 6 | 0% 17-Jul-23 | 22-Jul-23 | 22-Apr-23 27- | Apr-23 -8 | 86 | | | | |
| Turbine Hall Bld | Equipment Installation | 61 | 61 | 22-Jun-23 | 21-Aug-23 | 21-Apr-23 20- | Jun-23 -6 | 62 | | | | |
| Turbine Hall Modul | le 1 Installation | 61 | 61 | 22-Jun-23 | 21-Aug-23 | 21-Apr-23 20- | Jun-23 -6 | 62 | | | | |
| 13-2120 | STG and TBS Module 1 Installation | 60 | 60 | 0% 23-Jun-23 | 21-Aug-23 | 22-Apr-23 20- | Jun-23 -6 | 62 | | | | |
| 13-2160(6) | Install Maintenance Girder & Crane at Module 1 @+22.247mPd | 30 | 30 | 0% 22-Jun-23 | 21-Jul-23 | 21-Apr-23 20- | May-23 -6 | 62 | | | | |
| Landscape, Exte | ernal Road and Drains Works | 340 | 128 | 28-Apr-22 A | 05-Jul-23 | 13-May-23 25- | Jul-23 2 | 20 | | | | |
| Drainage Works | | 60 | 60 | 07-May-23 | 05-Jul-23 | 27-May-23 25- | Jul-23 2 | 20 | | | | |
| Box Culvert | | 60 | 60 | 07-May-23 | 05-Jul-23 | 27-May-23 25- | Jul-23 2 | 20 | | | | |
| East Culvert (3.5m | n x 2.5m x 118m) | 60 | 60 | 07-May-23 | 05-Jul-23 | 27-May-23 25- | Jul-23 | 20 | | | | |
| 14-2000 | Excavation to Formation | 60 | 60 | 0% 07-May-23 | 05-Jul-23 | 27-May-23 25- | Jul-23 2 | 20 | | | 07-May | |
| Earthing System | | 180 | 60 | 28-Apr-22 A | 28-Apr-23 | 13-May-23 11- | Jul-23 7 | 74 | | | | |
| 16-1900-2(6) | Installation of Ground Earthing Mesh | 180 | 60 | 66.67% 28-Apr-22 A | 28-Apr-23 | 13-May-23 11- | Jul-23 7 | 74 | | | | -Apr-23, Installation of Ground Ea |

| 3-Month Rolling Programme (February 2023) Page 14 of 14 | Remaining Work Actual Milestone Actual Work Critical Remaining Work Critical Remaining Work Milestone |
|--|--|
|--|--|

Appendix B Summary of Implementation Status of Environmental Mitigation

Appendix B

| Table B.I Inplementation Schedule for Air Quality measures for the IWMF at the artificial Island hear SKC | Table B.1 | Implementation Schedule for Air Quality Measures for the IWMF at the artificial island near | r SKC |
|---|-----------|---|-------|
|---|-----------|---|-------|

| | | | | Imple | ementa | tion S | tages* | Relevant | Implementation |
|---------|--|--------------------------------------|-------------------------|-------|--------|--------|--------|----------------------------------|--|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| S3b.8.1 | <u>Air Pollution Control (Construction Dust)</u> <u>Regulation & Good Site Practices</u> Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. Use of frequent watering for particularly dusty construction areas and areas close to ASRs. Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines. Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading | During the construction period | Contractor | | | | | Control (Construction | Deficiency of Mitigation Measures but rectified by the Contractor. N/A for dust control measures for transportation outside site boundary |

Keppel Seghers – Zhen Hua Joint Venture

| | | | | Imple | ementa | ation S | stages* | Relevant | Implementation |
|---------|--|---|-------------------------|-------|--------|---------|---------|--|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| | points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. Imposition of speed controls for vehicles on unpaved site roads. Ten kilometers per hour is the recommended limit. Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise. | | | | | | | | |
| S3b.6.3 | Odour Removal by Deodorizers Deodorizers with 95% odour removal efficiency would be installed for the air ventilated from the mechanical treatment plant before discharge to the atmosphere | Waste reception halls, the waste storage area, the mechanical treatment plant / During design & operation phase | IWMF Operator | ~ | | ✓ | | EIAO-TM | N/A |
| S3b.8.2 | Air Pollution Control and Stack Monitoring | IWMF stack emissions / During | IWMF Operator | ✓ | | ~ | | EIAO-TM, Supporting Document for | N/A |

Keppel Seghers – Zhen Hua Joint Venture

| | | Location / | | Imple | ementa | tion S | tages* | Relevant | Implementation |
|---------|---|--------------------------------|-------------------------|-------|--------|--------|--------|----------------------------------|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| | Air pollution control and stack monitoring system will be installed for the IWMF to ensure that the emissions from the IWMF stack will meet the proposed target emission limits. Voluntary Enhancement Measures in Flue Gas Cleaning and Emission Monitoring: Two-stage bag filter system with reagent recirculation; In addition to SCR, provide SNCR for removal of NOx; tighten emission limit for halfhourly and daily NOx to 160 mg/m³ and 80 mg/m₃ respectively; Well-mixed feed waste: to minimize the fluctuation of pollutant loading on the flue gas treatment system; Two more AQMSs would be set up at South Lantau and Shek Kwu Chau respectively; Limit levels will be set under the IWMF DBO contract to require that waste feed shall cease if any of the air pollutant has | design & operation phase | Agent | | | | | | Remarks |
| | exceeded 95% of the emission concentration limit as stipulated | | | | | | | | |
| | in the Special Process license; and | | | | | | | | |

| | | | | Imple | ementa | ation S | tages* | Relevant | Implementation |
|---------|--|---|-------------------------|-------|--------|---------|--------|--|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | Status and Remarks |
| | Each incineration chamber shall be fitted with auxiliary burners to ensure complete burn out of the combustion gases. | | | | | | | | |
| - | Treated Fly Ash and Air Pollution Control Residues: During testing and commissioning, the Contractor shall sample and test every container of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria shown in Table 2 of the Environmental Permit. If a test result confirms that any one of the samples does not conform to the limits and the criteria, the Contractor shall be required to sample and test every container of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and test every container of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria for the next six months. During the first six months of operation, if the requirements in (a) could be fully conformed with, the Contractor shall sample and test every shipload of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria for the next six months. | IWMF stack emissions / During design & operation phase | IWMF Operator | | | | | Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) | N/A |

| | | | | Imple | ementa | ation S | stages* | Relevant | Implementation |
|---------|--|----------------------|-------------------------|-------|--------|---------|---------|----------------------------------|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| | of the Environmental Permit. The | | | | | | | | |
| | Contractor shall take two samples | | | | | | | | |
| | from each shipload for testing and | | | | | | | | |
| | the Contractor shall not dispose of | | | | | | | | |
| | any of that shipload of treated fly ash | | | | | | | | |
| | and air pollution control residues until | | | | | | | | |
| | the test results confirm that the two | | | | | | | | |
| | samples conform to the limits and the | | | | | | | | |
| | criteria. If a test result confirms that | | | | | | | | |
| | any one of the two samples does not | | | | | | | | |
| | conform to the limits and the criteria, | | | | | | | | |
| | the Contractor shall be required to | | | | | | | | |
| | sample and test every shipload of | | | | | | | | |
| | treated fly ash and air pollution | | | | | | | | |
| | control residues for conformance to | | | | | | | | |
| | the Incineration Residue Pollution | | | | | | | | |
| | Control Limits and leachability | | | | | | | | |
| | criteria for the next six months. The | | | | | | | | |
| | Contractor shall make due allowance | | | | | | | | |
| | in the Design and the Operation for | | | | | | | | |
| | the time to sample and test treated fly | | | | | | | | |
| | ash and air pollution control residues | | | | | | | | |
| | before disposal. | | | | | | | | |
| | Provided that there is no non- | | | | | | | | |
| | conformance to the Incineration | | | | | | | | |
| | Residue Pollution Control Limits and | | | | | | | | |
| | leachability criteria shown in Table 2 | | | | | | | | |
| | of the Environmental Permit | | | | | | | | |
| | throughout a continuous sixmonth | | | | | | | | |
| | period in the Operation Period, the | | | | | | | | |
| | testing frequency shall be reduced to | | | | | | | | |
| | monthly interval. Two samples from | | | | | | | | |
| | one shipload of treated fly ash and air | | | | | | | | |

| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Imple | ementa | ation S | tages* | Relevant Legislation and Guidelines | Implementation Status and Remarks |
|---------|---|---|-------------------------|-------|--------|---------|--------|--|---|
| | | | | Des | С | 0 | Dec | | |
| | pollution control residues shall be collected and tested for conformance to the Incineration Residue Pollution Control Limits and leachability criteria. The Contractor shall not dispose of any of the treated fly ash and air pollution control residues in the shipload which the samples are taken until the test results confirm that the samples conform to the limits and the criteria. If the test result confirm that any one of the samples does not conform to the limits and the criteria, the Contractor shall be required to sample and test every shipload of treated fly ash and air pollution control residues for conformance to the Incineration Residue Pollution Control Limits and leachability criteria shown in Table 2 of the Environmental Permit for the next six months. | | | | | | | | |
| - | Bottom Ash: During testing and commissioning, the Contractor shall sample and test every container of bottom ash for conformance to the leachability criteria shown in Table 2 of the Environmental Permit. If a test result confirms that any one of the samples does not conform to the criteria, the Contractor shall be required to sample and test every | IWMF stack emissions / During design & operation phase | IWMF Operator | ~ | | ~ | | Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) | N/A |

Keppel Seghers – Zhen Hua Joint Venture

| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Imple | ementa | ation S | stages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|--------|---------|---------|----------------------------------|---|
| | | | | Des | С | ο | Dec | Legislation and Guidelines | |
| | container of bottom ash for | | | | | | | | |
| | conformance to the leachability | | | | | | | | |
| | criteria for the next six months. | | | | | | | | |
| | • During the first six months of | | | | | | | | |
| | operation, if the requirements in (d) | | | | | | | | |
| | could be fully conformed with, the | | | | | | | | |
| | Contractor shall sample and test | | | | | | | | |
| | one shipload of bottom ash each month for conformance to the | | | | | | | | |
| | leachability criteria shown in Table 2 | | | | | | | | |
| | of the Environmental Permit. The | | | | | | | | |
| | Contractor shall take two samples | | | | | | | | |
| | from the shipload for testing and the | | | | | | | | |
| | Contractor shall not dispose of any | | | | | | | | |
| | of that shipload of bottom ash until | | | | | | | | |
| | the test results confirm that the two | | | | | | | | |
| | samples conform to the criteria. If a | | | | | | | | |
| | test result confirms that any one of | | | | | | | | |
| | the two samples does not conform | | | | | | | | |
| | to the criteria, the Contractor shall | | | | | | | | |
| | be required to sample and test each | | | | | | | | |
| | shipload of bottom ash for | | | | | | | | |
| | conformance to the leachability | | | | | | | | |
| | criteria for the next six months. The | | | | | | | | |
| | Contractor shall make due allowance in the Design and the | | | | | | | | |
| | Operation for the time to sample and | | | | | | | | |
| | test bottom ash before disposal. | | | | | | | | |
| | Provided that there is no non- | | | | | | | | |
| | conformance to the leachability | | | | | | | | |
| | criteria shown in Table 2 of the | | | | | | | | |
| | Environmental Permit throughout a | | | | | | | | |
| | continuous six month period in the | | | | | | | | |

Keppel Seghers – Zhen Hua Joint Venture

| | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Imple | ementa | ation S | tages* | Relevant Legislation and Guidelines | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|--------|---------|--------|--|---|
| EIA Ref | | | | Des | С | 0 | Dec | | |
| | Operation Period, the Contractor shall be allowed to take two samples from any one shipload of bottom ash once every six months for conformance to the leachability criteria. The Contractor shall not dispose of any of the bottom ash in the shipload which the samples are taken until the test results confirm that the samples conform to the criteria. If the test result confirm that any one of the samples does not conform to the criteria, the Contractor shall be required to sample and test one shipload of bottom ash each month for conformance to the leachability criteria shown in Table 2 of the Environmental Permit for the next six months as stipulated above. | | | | | | | | |

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table B.2 Implementation Schedule for Noise Impact Measures for the IWMF at the artificial island near SKC

| | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | | Implementation Stages* | | | | Relevant | |
|------------------|--|---|-------------------------|-----|------------------------|---|---|-----|----------------------------------|--------------------------------------|
| EIA Ref | | | | | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| S4b.8 | Good site practices to limit noise emissions a source and use of quiet plant and working methods, whenever practicable. | | EPD and contractors | its | | ~ | | | EIAO-TM | Implemented |
| S4b.6 & S4b.8 | All the ventilation fans installed in the below will be provided with silencers or acoustics treatment. (i) Stack of the incinerator (ii) Ventilation systems within the IWMF Enclosure and discharge silencer or other acoustic treatment equipment should be installed in the air-cooled chillers Other than provision of silencer or other acoustic treatment equipment for the stack of the incinerator and ventilation system, the detailed design should incorporate the following good practice in order to minimize the nuisance on the neighboring NSRs. (i) The exhaust of the ventilation system and any opening of the building should be located facing away from any NSRs; and (ii) Louver or other acoustic treatment equipment to the any opening of the applied to the | Within IWMF area / Construction Period | EPD and contractors | its | | | | | EIAO-TM | N/A |

Keppel Seghers – Zhen Hua Joint Venture

| | Environmental Protection | | | Implementation Stages* | | | | Relevant | |
|---------|---|----------------------|--|------------------------|---|---|-----|--|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| - | <u>Voluntary Enhancement Measure</u> Provision of air-conditioner and double glazed windows to nearby NSR at Shek Kwu Chau (i.e. SARDA) as precautionary measures. | IWMF site | Design team, contractor, IWMF operator | • | ~ | | | Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) | Implemented |

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table B.3 Implementation Schedule for Water Quality Measures for the Artificial Island near SKC

| | Environmental Protection | | | Impl | ementa | ation Stages* | Relevant | and Remarks |
|-----------|---|----------------------|-------------------------|------|--------|---------------|--|---|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | O Dec | Legislation and Guidelines | |
| S5b.8.1.1 | | | Contractor | | | | Guidelines EIAO-TM; ProPECC PN 1/94; WPCO | Deficiency of Mitigation Measures but rectified by the Contractor |

| | Environmental Protection | | | Imple | ement | ation S | stages* | Relevant | Implementation Status and Remarks |
|---------|--|----------------------|-------------------------|-------|-------|---------|---------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. The detailed design of the sand/silt traps shall be undertaken by the contractor prior to the commencement of construction. | | | | | | | | |
| | Water pumped out from foundation piles must be discharged into silt removal facilities. | | | | | | | | |
| | Measures should be taken to minimize the ingress of site runoff and drainage into excavations. Drainage water pumped out from excavations should be discharged into storm drains via silt removal facilities. | | | | | | | | |
| | During rainstorms, exposed slope/soil surfaces should be covered by a tarpaulin or other means, as far as practicable. Other measures that need to be implemented before, during and after rainstorms are summarized in ProPECC PN 1/94. | | | | | | | | |
| | Exposed soil areas should be minimized to reduce potential for increased siltation and contamination of runoff. | | | | | | | | |

| | | | | Impl | ementa | ation S | tages* | Relevant | |
|-----------|--|---|-------------------------|------|--------|---------|--------|--------------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | • Earthwork final surfaces should be well compacted and subsequent permanent work or surface protection should be immediately performed. | | | | | | | | |
| | Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. | | | | | | | | |
| S5b.8.1.2 | General Construction Activities Construction solid waste should be collected, handled and disposed of properly to avoid entering to the nearby watercourses and public drainage system. Rubbish and litter from construction sites should also be collected to prevent spreading of rubbish and litter from the site area. | Work site / During the construction period | Contractor | | ~ | | | EIAO-TM; ProPECC PN 1/94; WPCO | Implemented |
| | It is recommended to clean the construction sites on a regular basis. | | | | | | | | |

| | | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|-----------|---|---|-------------------------|-------|----------|---------|--------|--|--|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| S5b.8.1.3 | There is a need to apply to EPD for a discharge license for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge license. All the run-off and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. The beneficial uses of the treated effluent for other on-site activities such as dust suppression and general cleaning etc., can minimize water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO license which is under the ambit of regional office of EPD. | During the construction | Contractor | | | | | EIAO-TM; ProPECC PN 1/94; WPCO | Deficiency of Mitigation Measures but rectified by the Contractor Discharge License was issued on 15/02/2022 |
| S5b.8.1.4 | Accidental Spillage Contractor must register as a chemical waste producer if chemical wastes would be produced from construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes. | Work site / During the construction period | Contractor | | • | | | EIAO-TM; ProPECC PN 1/94; WPCO; WDO | Deficiency of Mitigation Measures but rectified by the Contractor |
| S5b.8.1.5 | | During the construction | Contractor | | ~ | | | EIAO-TM; ProPECC PN 1/94; WPCO; WDO | Implemented |

| | | | | Impl | ementa | ation St | tages* | Relevant | Implementation Status and Remarks |
|-----------|---|----------------------|-------------------------|------|--------|----------|--------|----------------------------------|---|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | appropriately equipped to control these discharges. | | | | | | | | |
| S5b.8.1.6 | Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal. | | Contractor | | ~ | | | | Deficiency of Mitigation Measures but rectified by the Contractor |
| S5b.8.1.7 | Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: | construction | Contractor | | | | | | Deficiency of Mitigation Measures but rectified by the Contractor |
| | Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents. Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area. | | | | | | | | |

| | | | | Implementation Stages* | | | tages* | Relevant | |
|-----------|--|---|-------------------------|------------------------|---|---|--------|---|-------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | and Remarks |
| S5b.8.1.8 | Sewage Effluent Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor would be responsible. For appropriate disposal and maintenance of these facilities. | Work site / During the construction period | Contractor | | ✓ | | | EIAO-TM; ProPECC PN 1/94; WPCO | Implemented |
| S5b.8.1.9 | | | Contractor | | | | | EIAO-TM; WPCO, Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) Further Environmental Permit No. FEP- 01/429/2012/A | N/A |

| | | | | Imple | emen | tation S | tages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|------|----------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | of the North Western seawall, away from the identified coral communities and will be shielded by silt curtains systems to control sediment plume dispersion. | | | | | | | | |
| | • The silt curtain system at marine access opening should be closed as soon as the barges passes through the marine access opening in order to minimize the period of curtain opening. Filling should only be carried out behind the silt curtain when the silt curtain is completely closed. | | | | | | | | |
| | • To enhance the effectiveness of the silt curtain at the marine access, the northern breakwater would be built before the commencement of the reclamation to reduce the current velocity towards the marine access opening. | | | | | | | | |
| | • The silt curtain system at marine access opening should be regularly checked and maintained to ensure proper functioning. | | | | | | | | |
| | • Where public fill is proposed for filling below +2.5mPD, the fine content in the public fill will be controlled to 25% which is in line with the CEDD's General Specification; | | | | | | | | |
| | • The filling for reclamation should be carried out behind the seawall. The filling material should only consist of public fill, rock and sand. The filling composition and filling rates at each filling area should follow those delineated in Table 1 of the FEP-01/429/2012/. The filling above high watermark is not restricted; | | | | | | | | |

| | | | | Imple | ementa | ation S | tages* | Relevant | |
|---------|---|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | Ο | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | No dredging should be carried out within 16m to the nearest non-translocatable coral community; | | | | | | | | |
| | • Daily site audit including full-time on-site monitoring by the ET is recommended during the dredging for anti-scouring protection layer for checking the compliance with the permitted no. of grab; | | | | | | | | |
| | Closed grab dredger should be used to minimize the loss of sediment during the raising of the loaded grabs through the water column; | | | | | | | | |
| | Frame-type silt curtains should be deployed around the dredging operations; | | | | | | | | |
| | Floating-type silt curtains should be used to surround the circular cell during the sheetpiling work; | | | | | | | | |
| | The descent speed of grabs should be controlled to minimize the seabed impact speed; | | | | | | | | |
| | Barges should be loaded carefully to avoid splashing of material; | | | | | | | | |
| | All barges used for the transport of dredged materials should be fitted with tight bottom seals in order to prevent leakage of material during loading and transport; | | | | | | | | |
| | All barges should be filled to a level which ensures that material does not spill over during loading and transport to the disposal site and that adequate freeboard is | | | | | | | | |

| | | | | Imple | ementa | tion S | tages* | Relevant | |
|-----------|---|---|-------------------------|-------|--------|--------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | maintained to ensure that the decks are not washed by wave action. | | | | | | | | |
| | • No DCM works should be carried out within 100m to the nearest non-translocatable coral colony / colonies. | | | | | | | | |
| | • Silt curtains should be employed to enclose DCM field trial and any full scale DCM work to minimize the potential impacts on water aspect. | | | | | | | | |
| | • A sand blanket is to be placed on top of the marine deposit using tremie pipes prior to the DCM ground treatment to avoid seabed sediment disturbance. | | | | | | | | |
| S5b.8.2.3 | <u>Operational Phase Discharges</u> A pipeline drainage system will serve the development area collecting surface runoff from paved areas, roof, etc. Sustainable drainage principle would be adopted in the drainage system design to minimize peak surface runoff, maximize permeable surface and maximize beneficial use of rainwater. | Within IWMF site / During the operational phase | IWMF Operator | ~ | | ~ | | WPCO | N/A |
| S5b.8.2.4 | Oil interceptors should be provided in the drainage system of any potentially contaminated areas (such as truck parking area and maintenance workshop) and regularly cleaned to prevent the release of oil products into the storm water drainage system in case of accidental spillages. Accidental spillage should be cleaned up as soon as practicable and all waste oils and fuels should be collected and handled in | Within IWMF site / During the operational phase | IWMF Operator | ✓ | | V | | WPCO; WDO | N/A |

| | | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|-----------|--|--|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | Ο | Dec | Legislation and Guidelines | |
| | compliance with the Waste Disposal Ordinance. | | | | | | | | |
| S5b.8.2.5 | <u>Refuse Entrapment</u> Collection and removal of floating refuse should be performed at regular intervals for keeping the water within the Project site boundary and the neighboring water free from rubbish. | Within the Project site / During the operational phase | IWMF Operator | | | ~ | | WPCO | N/A |
| S5b.8.2.6 | | Transportat ion of Incineration Ash / During the operational phase | IWMF Operator | | | V | | | N/A |

* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

Table B.4 Implementation Schedule for Waste Management Measures for the IWMF at the artificial island near SKC

| | Environmental Protection | | | | | ation S | | Relevant | Implementation Status and Remarks |
|----------|--|--|-------------------------|-----|---|---------|-----|----------------------------------|---|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| 6b.5.1.2 | <u>Good Site Practices</u> Adverse environmental impacts in relation to waste management are not expected, provided that good site practices are strictly followed. Recommendations for good site practices during the construction activities would include: Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28); Provide staff training for proper waste management and chemical handling procedures; Provide sufficient waste disposal points and regular waste collection; Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and Employ licensed waste collector to collect waste. | Work Site/ During Construction Period | Contractor | | | | | ETWB TCW | Deficiency of Mitigation Measures but rectified by the Contractor |

| | | | | Imp | lementa | ation S | tages* | | Implementation Status and Remarks |
|----------|---|--|-------------------------|-----|----------|---------|--------|----------------------------------|--|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| 6b.5.1.3 | Waste Reduction Measures Good management and control can prevent the generation of a significant amount of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include: • Design foundation works that could minimize the amount of excavated material to be generated. • Provide training to workers on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling; | Work Site/ During Design & Construction Period | Contractor | | v | | | Guideines | Implemented. N/A for demolition items |
| | Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); | | | | | | | | |
| | Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; | | | | | | | | |
| | Encourage the collection of aluminum cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the work force; | | | | | | | | |
| | Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and | | | | | | | | |

| | | | | Imp | lement | ation Sta | iges* | Relevant | |
|----------|--|--|------------------------|-----|--------|-----------|-------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Indementation | | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | Plan and stock construction materials carefully to minimize amount of waste to be generated and to avoid unnecessary generation of waste. | | | | | | | | |
| 6b.5.1.7 | Dredged Sediment – Application of Dumping Permit The project proponent should agree in advance with MFC of CEDD on the site allocation. The project proponent or contractor for the dredging works shall then apply for the site allocations of marine sediment disposal based on the prior agreement with MFC/CEDD. The project proponent or contractor should also be responsible for the application of all necessary permits from relevant authorities, including the dumping permit as required under DASO from EPD, for the disposal of dredged sediment prior to the commencement of the dredging works. | Seawall and Reclamation site / Construction Period | EPD and its contractor | 5 1 | × | | | DASO ETWB TCW 34/2002 | Implemented |
| 6b.5.1.8 | Dredged Sediment – Sediment Quality Report The project proponent or contractor will need to satisfy the appropriate authorities that the quality of the marine sediment to be dredged has been identified according to the requirements of ETWB TCW 34/2002. This should be completed well before the dredging works and would include at least the submission of a formal Sediment Quality Report under Tier I of ETWB TCW No. 34/2002 to DEP for approval. Subject to advice from DEP, it is possible that further marine SI in | Seawall and Reclamation site / Construction Period | EPD and its contractor | 5 ✓ | | | | DASO ETWB TCW 34/2002 | Implemented |

| | | | | Impl | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|-----------|---|--|-------------------------|------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | accordance with ETWB TCW 34/2002 might be necessary for the application of dumping permit under DASO. In such case, a sediment sampling and testing proposal shall be submitted to and approved by DEP before the additional marine SI works. | | | | | | | | |
| 6b.5.1.9 | Dredged Sediment – Sediment <u>Transportation</u> The barge transporting the sediments to the designated disposal sites should be equipped with tight fitting seals to prevent leakage and should not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP. | Seawall and Reclamation site / Construction Period | EPD and its contractor | | ✓ | | | DASO ETWB TCW 34/2002 | Implemented |
| 6b.5.1.10 | | Work Site/ During Design & Construction Period | Contractor | × | * | | | ETWB TCW No. 19/2005 | Implemented |

| | | | | Impl | ementa | ation S | tages* | Relevant | |
|------------------------------|--|------------------------------------|-------------------------|------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | (EMP), should be prepared in accordance with ETWB TCW No.19/2005; | | | | | | | | |
| | A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and | | | | | | | | |
| | • In order to monitor the disposal of C&D materials at public filling facilities and landfills and to control fly-tipping, a trip- ticket system should be adopted (refer to <i>ETWB TCW No. 31/2004</i>). | | | | | | | | |
| 6b.5.1.1 1 – 6b.5.1.12 | The Contactor should prepare and implement an EMP in accordance with | During Design & Construction | Contractor | × | × | | | ETWB TCW No. 19/2005 | Implemented |

Keppel Seghers – Zhen Hua Joint Venture

| | | | | Imple | ementa | ation S | stages* | Relevant | |
|-----------|---|--|-------------------------|-------|----------|---------|---------|--|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | All surplus C&D materials arising from or in connection with construction works should become the property of the Contractor when it is removed unless otherwise stated. The Contractor would be responsible for devising a system to work for on-site sorting of C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site. | | | | | | | | |
| 6b.5.1.13 | | Work Site/ During Construction Period | Contractor | | * | | | Waste Disposal (Chemical Waste) (General) Regulation | Implemented. |

| | | | | Impl | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|------------------------------|--|--|-------------------------------|------|--------|---------|--------|----------------------------------|---|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. | | | | | | | | |
| 6b.5.1.14 | <u>General Refuse</u> General refuse should be stored in enclosed bins or compaction units separate from C&D materials. A licensed waste collector should be employed by the Contractor to remove general refuse from the site, separately from C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material. | Work Site/ During Construction Period | Contractor | | • | | | | Deficiency of Mitigation Measures but rectified by the Contractor |
| 6b.5.1.1 6 – 6b.5.1.33 | <u>Biogas Generation</u> The Contractor shall review the data and analysis results, and the data from further Site Investigation, if any. Subject to the review findings, the following gas protection measures may be considered if necessary: gas monitoring after reclamation; passive ventilation; gas impermeable membrane; ventilation with "at risk" rooms; protection of utilities or below ground services; | Reclamation site (if dredging at the reclamation site is not required) / Design & Construction Period | Designer and/or contractor | ✓ | ✓ | | | EPD/TR8/97 | N/A |

| | Environmental Protection | | | Implemer | tation § | Stages* | Relevant |
|----------|--|----------------------|-------------------------|----------|----------|---------|---|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des C | 0 | Dec | Legislation Implementation Status and and Remarks Guidelines |
| 6b.5.2.1 | precautions during construction works; precautions prior to entry of belowground services <u>Good Site Practices</u> | IWMF Site/During | IWMF Operator | | ✓ | | Waste Disposal N/A Ordinance |
| | It is recommended that the following good operational practices should be adopted to minimise waste management impacts: Obtain the necessary waste disposal permits from the appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and Waste Disposal (Chemical Waste) (General) Regulation; Nomination of an approved person to be responsible for good site practice, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site; Use of a waste haulier licensed to collect specific category of waste; A trip-ticket system should be included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of solid wastes at landfills, and to control fly tipping. Reference should be made to ETWB TCW No. 31/2004. | Operation Period | | | | | (Cap.354); Waste Disposal (Chemical Waste) (General) Regulation; ETWB TCW No. 1/2004 |

| | | | | Impler | menta | ation S | tages* | Relevant | |
|----------|---|---|-------------------------|--------|-------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | Training of site personnel in proper waste management and chemical waste handling procedures; Separation of chemical wastes for special handling and appropriate treatment at a licensed facility; Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors; Provision of sufficient waste disposal points and regular collection for disposal; Adoption of appropriate measures to minimize windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers; and Implementation of a recording system for the amount of wastes generated, and disposed of (including recycled the disposal sites). | | | | | | | | |
| 6b.5.2.2 | Waste Reduction Measures Good management and control can prevent the generation of significant amounts of waste. It is recommended that the following good operational practices should be adopted to ensure waste reduction: 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; | IWMF Site/ During Operation Period | IWMF Operator | | | V | | | Implemented |

| | | | | Imple | ementa | ation S | stages* | Relevant | |
|----------|--|-------------------------------|-------------------------|-------|--------|---------|---------|--|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| 6b.5.2.3 | Encourage collection of aluminum cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separate labelled bins should be provided to help segregate this waste from other general refuse generated by the work force; and Any unused chemicals or those with remaining functional capacity should be reused as far as practicable. Storage, Handling, Treatment, Collection | IWMF Site/ | IWMF Operator | | | | | Incineration | N/A |
| 60.5.2.3 | Storage, Handling, Treatment, Collection and Disposal of Incineration By-Products The following measures are recommended for the storage, handling and collection of the incineration by- products: | During Operation Period | IWMF Operator | | | v | | Residue Pollution Control Limits | |
| | Ash should be stored in storage silos; Ash should be handled and conveyed in closed systems fully segregated from the ambient environment; | | | | | | | | |
| | Ash should be wetted with water to control fugitive dust, where necessary; | | | | | | | | |
| | All fly ash and APC residues should be treated, e.g. by cement solidification or chemical stabilization, for compliance with the proposed Incineration Residue Pollution Control Limits and leachability criteria prior to disposal; | | | | | | | | |

| | | | | Impl | ementa | ation S | tages* | Relevant | |
|----------|---|---|-------------------------|------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | The ash should be transported in covered trucks or containers to the designated landfill site. The Contractor should provide EPD with chemical analysis results of the | | | | | | | | |
| | bottom ash, and treated fly ash and APC residues to confirm that the ash/residue can comply with the proposed Incineration Residue Pollution Control Limits before disposal. | | | | | | | | |
| 6b.6.3.1 | Fuel Oil Tank Construction and Test The fuel tank to be installed should be of specified durability. Double skin tanks are preferred. Underground fuel storage tank should be placed within a concrete pit. The concrete pit shall be accessible to allow regular tank integrity tests to be carried out at regular intervals. Tank integrity tests should be conducted by an independent qualified surveyor or structural engineer. | Fuel Oil Storage Tank/ During Design, Construction and Operation Periods | IWMF Contractor | ✓ | ✓ | ✓ | | | N/A |
| | Any potential problems identified in the test should be rectified as soon as possible. | | | | | | | | |

| | | | | Imple | ementa | ation S | tages* | Relevant | and Remarks |
|----------|---|---|-------------------------|-------|--------|---------|--------|----------------------------------|-------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| 6b.6.3.1 | Fuel Oil Pipeline Construction and Test Installation of aboveground fuel oil pipelines is preferable; if underground pipelines are unavoidable, concrete lined trenches should be constructed to contain the pipelines. Double skin pipelines are preferred. | Fuel Oil Pipelines/ During Design, Construction and Operation Periods | IWMF Contractor | ~ | ~ | ~ | | | N/A |
| | Distance between the fuel oil refuelling points and the fuel oil storage tank shall be minimized. | | | | | | | | |
| | Integrity tests for the pipelines should be conducted by an independent qualified surveyor or structural engineer at regular intervals. Any potential problems identified in the test should be rectified as soon as possible. | | | | | | | | |
| 6b.6.3.1 | Fuel Oil Leakage Detection Installation of leak detection device at storage tank and pipelines. Installation and use of pressure gauges (e.g. at the two ends of a filling line) in fuel filling, which allows unexpected pressure drop or difference and sign of leakage to be detected. | Fuel Oil Storage Tank and Pipelines/ During Design, Construction and Operation Periods | IWMF Contractor | × | ✓ | | | | N/A |
| 6b.6.3.1 | Fuel Oil Storage Tank Refuelling | Fuel Oil Refuelling Point/ | IWMF Operator | | | ✓ | | | N/A |

| | Environmental Protection | | | Impl | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|----------|---|---|-------------------------|------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | • Storage tank refuelling (from road tanker) should only be conducted by authorized staff of the oil company using the company's standard procedures. | During Operation Period | | | | | | | |
| 6b.6.3.1 | Fuel Oil Spillage Response An Oil Spill Response Plan should be prepared by the operator to document the appropriate response procedures for oil spillage incidents in detail. General procedures to be taken in case of fuel oil spillage are presented below. | IWMF Site/ During Operation Period | IWMF Operator | | | ✓ | | | N/A |
| | Training | | | | | | | | |
| | Training on oil spill response actions should be given to relevant staff. The training shall cover the followings: | | | | | | | | |
| | Tools & resources to combat oil spillage and fire, e.g. locations of oil spill handling equipment and fire fighting equipment; General methods to deal with oil spillage and fire incidents; Procedures for emergency drills in the event of oil spills and fire; and Regular drills shall be carried out. | | | | | | | | |
| | Communication | | | | | | | | |
| | -Establish communication channel with the Fire Services Department (FSD) and EPD to report any oil spillage incident | | | | | | | | |

| | | | Implementation Agent | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | | Des | С | 0 | Dec | Legislation and Guidelines | |
| | so that necessary assistance from relevant department can be quickly sought. | | | | | | | | |
| | Response Procedures | | | | | | | | |
| | -Any fuel oil spillage within the IWMF site should be immediately reported to the Plant Manager with necessary details including location, source, possible cause and extent of the spillage. | | | | | | | | |
| | Plant Manager should immediately attend to the spillage and initiate any appropriate action to confine and clean up the spillage. The response procedures shall include the following: >Identify and isolate the source of spillage as soon as possible. >Contain the oil spillage and avoid infiltration into soil/ groundwater and discharge to storm water channels. >Remove the oil spillage. | | | | | | | | |
| | ≻Clean up the contaminated area. | | | | | | | | |
| | If the oil spillage occurs during storage tank refuelling, the refueling operation should immediately be stopped. Recovered contaminated fuel oil and the associated material to remove the spilled oil should be considered as chemical waste. | | | | | | | | |

| | Environmental Protection | | | Impl | ementa | ation S | Stages* | Relevant | and Remarks |
|----------|---|--|-------------------------|------|--------|---------|---------|----------------------------------|-------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | Ο | Dec | Legislation and Guidelines | |
| | procedures for chemical wastes are discussed in the following paragraphs. | | | | | | | | |
| 6b.6.3.2 | <u>Chemicals and Chemical Wastes Handling & Storage</u> Chemicals and chemical wastes should only be stored in suitable containers in purpose-built areas. The storage of chemical wastes should comply with the requirements of the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The storage areas for chemicals and chemical wastes shall have an impermeable floor or surface. The impermeable floor/ surface shall possess the following properties: Not liable to chemically react with the materials and their containers to be stored. Able to withstand normal loading and physical damage caused by container handling The integrity and condition of the impermeable floor or surface should be inspected at regular intervals to ensure that it is satisfactorily maintained | Chemicals and Chemical Wastes Storage Area / During Operation Period | IWMF Operator | | | | | | N/A |
| | | | | | | | | | |

| | | | | Implei | menta | ation S [.] | tages* | Relevant | Implementation Status and Remarks |
|----------|--|---|-------------------------|--------|-------|----------------------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | storage area should be bunded to contain at least 110% of the storage capacity of the largest containers or 20% of the total quantity of the chemicals/chemical wastes stored, whichever is the greater. | | | | | | | | |
| | Storage containers shall be checked at regular intervals for their structural integrity and to ensure that the caps or fill points are tightly closed. | | | | | | | | |
| | Chemical handling shall be conducted by trained workers under supervision. | | | | | | | | |
| 6b.6.3.2 | <u>Chemicals and Chemical Wastes Spillage</u> <u>Response</u> A Chemicals and/ or Chemical Wastes Spillage Response Plan shall be prepared by the operator to document in detail the appropriate response procedures for chemicals or chemical wastes spillage incidents. General procedures to be undertaken in case of chemicals/ chemical waste spillages are presented below. • Training | IWMF Site/ During Operation Period | IWMF Operator | | | ~ | | | N/A |
| | Training on spill response actions should be given to relevant staff. The training shall cover the followings: | | | | | | | | |

| | | | | Imple | ementa | ation St | ages* | Relevant | |
|---------|--|----------------------|-------------------------|-------|--------|----------|-------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | Tools & resources to handle spillage, e.g. locations of spill handling equipment; | | | | | | | | |
| | General methods to deal with spillage; and | | | | | | | | |
| | Procedures for emergency drills in the event of spills. | | | | | | | | |
| | Communication | | | | | | | | |
| | Establish communication channel with FSD and EPD to report the spillage incident so that necessary assistance from relevant department can be quickly sought. | | | | | | | | |
| | Response Procedures | | | | | | | | |
| | Any spillage within the IWMF site should be reported to the Plant Manager. | | | | | | | | |
| | Plant Manager shall attend to the spillage and initiate any appropriate actions needed to confine and clean up the spillage. The response procedures shall include the followings: | | | | | | | | |
| | Identify and isolate the source of spillage as soon as possible; | | | | | | | | |
| | Contain the spillage and avoid infiltration into soil/ | | | | | | | | |

| | | | | Imple | ementa | ation St | ages* | Relevant | |
|----------|--|---|-------------------------|-------|--------|----------|-------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | groundwater and discharge to storm water channels (in case the spillage occurs at locations out of the designated storage areas); | | | | | | | | |
| | Remove the spillage; the removal method/ procedures documented in the Material Safety Data Sheet (MSDS) of the chemicals spilled should be observed; | | | | | | | | |
| | Clean up the contaminated area (in case the spillage occurs at locations out of the designated storage areas); and | | | | | | | | |
| | The waste arising from the cleanup operation should be considered as chemical wastes. | | | | | | | | |
| 6b.6.3.3 | Preventive Measures for Incineration By- products Handling The recommended measures listed below can minimize the potential contamination to the surrounding environment due to the incineration by-products: • Ash should be stored in storage silos; • Ash should be handled and conveyed in closed systems fully segregated | Storage, Handling & Collection of Incineration Ash at IWMF/ During Operation Period | IWMF Operator | | | × | | | N/A |

| | | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|-----------------------|---|---|-------------------------|-------|--------|----------|--------|---|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | from the ambient environment; Ash should be wetted with water to control fugitive dust, where necessary; All fly ash and APC residues should be treated, e.g. by cement solidification or chemical stabilization, for compliance with the proposed Incineration Residue Pollution Control Limits and leachability criteria prior to disposal; The ash should be transported in covered trucks or containers to the | | Agent | | | | | | |
| 6b.6.3.4 -6b.6.3.6 | designated landfill site.Incident RecordAfter any spillage, an incident report should be prepared by the Plant Manager. The incident report should contain details of the incident including the cause of the incident, the material spilled and estimated spillage amount, and also the response actions undertaken. The incident record should be kept carefully and able to be retrieved when necessary.The incident report should provide sufficient details for the evaluation of any environmental impacts due to the spillage and assessment of the effectiveness of measures taken. | IWMF Site/ During Operation Period | IWMF Operator | | | v | | Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management and the Guidance Note for Contaminated Land and Remediation. | N/A |

Keppel Seghers – Zhen Hua Joint Venture

| | Environmental Protection | | Implementation Agent | Impl | ement | ation S | stages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|------|-------|---------|---------|----------------------------------|--------------------------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | | Des | С | 0 | Dec | Legislation and Guidelines | |
| | In case any spillage or accidents results in significant land contamination, EPD should be informed immediately and the IWMF operator should be responsible for the cleanup of the affected area. The responses procedures described in Section 6b.6.3.1 and Section 6b.6.3.2 of EIA report should be followed accordingly together with the land contamination assessment and remediation guidelines stipulated in the <i>Guidance Manual for Use</i> of Risk-based Remediation Goals for Contaminated Land Management and the <i>Guidance Note for Contaminated Land and</i> Remediation. | | | | | | | | |

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|----------|--|----------------------|-------------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| 7b.8.2.1 | Measures to avoid direct loss of intertidal habitat The site boundary has been proposed to avoid direct contact with the intertidal natural rocky shore of Shek Kwu Chau. It avoids direct loss of intertidal communities and the existing natural rocky shore habitat, where Reef Egret and White-bellied Sea Eagle have been recorded within and in the vicinity of this habitat. | IWMF site | Design team | ~ | | | | EIAO-TM | N/A |
| 7b.8.2.2 | Measures to minimise loss of coastal subtidal habitat Extensive coral colonies were recorded at the coastal hard bottom habitat at Shek Kwu Chau. To avoid and minimise the extensive direct impact on the coral colonies, the proposed reclamation area has been moved further offshore to minimise loss of subtial habitat near shore. | IWMF site | Design team | × | | | | EIAO-TM | N/A |
| 7b.8.2.3 | Zero Discharge Scheme The design scheme of the Project has avoided discharge of wastewater into the marine environment. A zero discharge scheme would be adopted during the operation of the Project. An on-site wastewater treatment plant would be | IWMF site | Design team, IWMF operator | × | | × | | WPCO | N/A |

Table B.5 Implementation Schedule for Ecological Quality Measures for the IWMF at the artificial island near SKC

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | | Implementation Stages* | | | | Relevant | |
|----------------------------------|--|---|-----------------------------------|---------------|------------------------|---|---|-----|--|---|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Des Agent | | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | provided to treat the wastewater generated from the IWMF (mainly human sewage). The treated effluent would be re-used in the incineration plant and mechanical treatment plant, or for onsite washdown and landscape. | | | | | | | | | |
| 7b.8.2.4 | Measures to avoid loss of plant species of conservation importance Landing portal construction works would not cause direct lost to the recorded individual of protected plant species, Aquilaria sinensis, at the coastal shrubland habitat at Cheung Sha. As a precautionary measure, the plant should be tagged with eye- catching tape and fenced off prior to works, in order to avoid any damage by workers. | Cheung Sha landing portal | Design Contractor | team, | ✓ | ~ | | ✓ | EIAO-TM | N/A |
| 7b.8.3.1 - 7b.8.3.1 5 | Measures to minimise water quality impact Measures for water quality as recommended in Section 5b of the EIA Report should be implemented. | Work site | Design contractor, operator | team, IWMF | ✓ | ~ | ~ | ~ | EIAO-TM; ProPECC PN 1/94; WPCO | Implemented |
| 7b.8.3.1 6 - 7b.8.3.3 0 | Measures to minimise disturbance on Finless Porpoise Minimisation of Habitat Loss for Finless Porpoise | IWMF site, work site, marine traffic route | Design contractor, operator | team, IWMF | ✓ | ~ | ✓ | • | EIAO-TM, Supporting Document for Application for Variation of the Environmental | Implemented for avoidance o construction works that may produce underwater acoustic disturbance, Vessel Travel Route implementation, training of staff; N/A for others |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ement | ation S | stages* | Relevant | have been set of the Oracian |
|---------|--|----------------------|-------------------------|-------|-------|---------|---------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | Substantial revision has been made on the layout plan and form of the breakwater, in order to minimise the potential loss of important habitat for Finless Porpoise. The revision has greatly reduced the size of the embayment area, as well as the Project footprint. As a result, the size of habitat loss for Finless Porpoise has reduced from the original ~50 ha, down to ~31 ha. Avoidance of peak season for finless porpoise occurrence To minimise potential acoustic disturbance from construction activities on Finless Porpoise, construction works that may produce underwater acoustic disturbance should be scheduled outside the months with peak Finless Porpoise occurrence (December to May), including: sheet piling works for construction of cofferdam surrounding the reclamation area | | Agent | | | | | | |
| | (Phase 1); sheet piling works for construction of the shorter section of breakwater (Phase 1); | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|--|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | sheet piling works for construction of the remaining section of breakwater (Phase 3) and bored piling works for berth area (Phase 3) | | | | | | | | |
| | Such works should be restricted within June to November. This approach would not only avoid the peak season for Finless Porpoise occurrence, the magnitude of impacts arise from acoustic disturbance would also be minimised. | | | | | | | | |
| | • Since the DCM ground treatment and the installation of precast seawalls and breakwaters should generate no underwater acoustic disturbance to Finless Porpoise, no specific mitigation measures are required. | | | | | | | | |
| | Opt for quieter construction methods and plants | | | | | | | | |
| | Considering the sensitivity of marine mammals to underwater acoustic disturbance, instead of the previously proposed conventional breakwater and reclamation peripheral structure, | | | | | | | | |
| | which requires noisy piling works, the current circular cells structure for | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | breakwater and reclamation peripheral structure is proposed. A quieter sheet piling method using vibratory hammer or hydraulic impact hammer, should be adopted for the installation of circular cells for cellular cofferdam and northern breakwater during Phase 1, and southern breakwater Phase 3; Non-percussive bore piling method would be adopted for the installation of tubular piles for the berth construction | | | | | | | | |
| | during Phase 3. <i>Monitored exclusion zones</i> • During the installation/re- | | | | | | | | |
| | installation/relocation process of floating type silt curtains, in order to avoid the accidental entrance and entrapment of marine mammals within | | | | | | | | |
| | the silt curtains, a monitored exclusion zone of 250 m radius from silt curtain should be implemented. The exclusion zone should be closely | | | | | | | | |
| | monitored by an experienced marine mammal observer at least 30 minutes before the start of installation/re- | | | | | | | | |
| | installation/relocation process. If a marine mammal is noted within the exclusion zone, all marine works should stop immediately and remain | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|--|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | exclusion zone is free from marine mammals. | | | | | | | | |
| | • The experienced marine mammal observer should be well trained to detect marine mammals. Binoculars should be used to search the exclusion zone from an elevated platform with unobstructed visibility. The observer should also be independent from the project proponent and has the power to call-off construction activities. | | | | | | | | |
| | In addition, as marine mammals cannot be effectively monitored within the proposed monitored exclusion zone at night, or during adverse weather conditions (i.e. Beaufort 5 or above, visibility of 300 meters or below), marine works should be avoided under weather conditions with low visibility. | | | | | | | | |
| | Marine mammal watching plan | | | | | | | | |
| | Upon the completion of the installation/re- installation/relocation of floating type silt curtain, all marine works would be conducted within a fully enclosed environment within the silt curtain, hence exclusion zone monitoring would no longer | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | be required. Subsequently, a marine mammal watching plan should be implemented. | | | | | | | | |
| | The plan should include regular inspection of silt curtains, and visual inspection of the waters surrounded by the curtains. Special attention should be paid to Phase 2 (reclamation) where the floating type still curtain would be opened occasionally for vessel access, leaving a temporary 50 m opening. An action plan should be devised to cope with any unpredicted incidents such as the case when marine mammals are found within the waters surrounded by the silt curtains. | | | | | | | | |
| | Small openings at silt curtains | | | | | | | | |
| | • The openings for vessel access at the silt curtains should be as small as possible to minimise the risk of accidental entrance. | | | | | | | | |
| | Adoption of regular travel route | | | | | | | | |
| | During construction and operation, captains of all vessels should adopt regular travel route, in order to minimize the chance of vessel collision with | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ement | tation S | stages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|-------|----------|---------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | |
| | marine mammals, which may otherwise result in damage to health or mortality. The regular travel route should avoid areas with high sighting density of Finless Porpoise as much as possible. | | | | | | | | |
| | Vessel speed limit | | | | | | | | |
| | • The frequent vessel traffic in the vicinity of works area may increase the chance of mammal mammals being killed or seriously injured by vessel collision. A speed limit of ten knots should be strictly enforced within areas with high density of Finless Porpoise. | | | | | | | | |
| | Passive acoustic monitoring and land- based theodolite monitoring surveys should be adopted to verify the predicted impacts and effectiveness of the proposed mitigation measures. | | | | | | | | |
| | Training of Staff | | | | | | | | |
| | • Staff, including captains of vessels, should be aware of the guidelines for safe vessel operations in the presence of cetaceans during construction and operation phases. Adequate trainings should be provided | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | | Impl | plementation Stages* | | | Relevant | |
|----------------------------------|--|----------------------|-----------------------------------|---------------|------|----------------------|-------|-----|----------------------------------|---|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Impleme Age | | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| 7b.8.3.3 1 - 7b.8.3.3 4 | Measures to minimise impact on corals Coral translocation | IWMF site | Design contractor, operator | team, IWMF | ~ | ~ | ✓ | ~ | EIAO-TM | Implemented, tagged coral found missing after hitting by typhoons |
| | Coral communities within and in proximity to the proposed dredging sites would be disturbed by the Project due to the dredging operations. In order to minimise direct loss of coral communities, translocation of corals that are attached to movable rocks with diameter less than 50 cm are recommended. In order to avoid disturbance to corals during the spawning period, the spawning season of corals (June to August) should be avoided; and that translocation should be carried out during the winter season (November- March). | | | | | | | | | Re-tagging of 10 coral colonies at indirect impact site and control site were conducted in November and December 2018 respectively. |
| | • The REA survey results suggest that the 198 directly affected coral colonies were attached to movable rocks (less than 50 cm in diameter). It is technically feasible to translocate them to avoid direct loss. | | | | | | | | | |
| | Prior to coral translocation, a more detailed baseline survey, including a coral mapping survey, is recommended to further confirm the | | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | menta | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|--|----------------------|-------------------------|-------|-------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | exact number and location of coral colonies within the potentially affected area. A more detailed coral translocation plan, including selection of suitable recipient site, plan for coral translocation, and event / action plan for coral monitoring should be submitted upon approval of this Project, prior to commencement of construction works. Advice from relevant governmental departments (i.e. AFCD) and professionals would be sought after, in order to identify a desirable location for the relocation of coral communities. Post-translocation monitoring on the translocated corals should also be considered. | | | | | | | | |
| | Coral monitoring programme | | | | | | | | |
| | A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the coral communities at the coasts of Shek Kwu Chau during construction of the Project. | | | | | | | | |
| | Phasing of Works | | | | | | | | |
| | To minimize environmental impacts, the proposed phasing of construction works has been carefully designed to | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Impl | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|----------------------------------|---|----------------------|--|------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | |
| | reduce the amount of concurrent works, hence minimize SS elevation and the associated impacts on corals. | | | | | | | | |
| 7b.8.3.3 5 - 7b.8.3.4 1 | <u>Specific measures to minimize</u> <u>disturbance on breeding White-bellied</u> <u>Sea Eagle</u> Avoidance of noisy works during the breeding season of White-bellied Sea Eagle To minimize potential noise disturbance from construction activities on WBSE, noisy construction works should be scheduled outside their breeding season (December to May) to minimise potential degradation in breeding ground quality and breeding activities, including: sheet piling works for construction of cofferdam surrounding the reclamation area (Phase 1); sheet piling works for construction of the shorter section of breakwater (Phase 1); sheet piling works for construction of the remaining section of breakwater (Phase 3); and bored piling works for berth area (Phase 3). | | Design Team, Contractor, IWMF operator | | | | | EIAO-TM | Implemented |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|--|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | Opt for quieter construction methods and plants | | | | | | | | |
| | To minimise potential construction noise disturbance on WBSE, quieter construction methods and plants should be adopted. The recommended noise mitigation measures in the Noise chapter (Section 4b.8 of the EIA Report) should be implemented to minimise potential noise disturbance to acceptable levels. | | | | | | | | |
| | Restriction on vessel access near the nest of White-bellied Sea Eagle | | | | | | | | |
| | • During construction and operation, in order to minimize disturbance on the existing WBSE nest, a pre-defined practical route to restrict vessel access near the nest should be adopted to keep vessels and boats as far away from the nest as possible. | | | | | | | | |
| | White-bellied Sea Eagle monitoring programme | | | | | | | | |
| | A WBSE monitoring programme is recommended to assess any adverse and unacceptable impacts to the breeding activities of WBSE during construction and operation of the | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|---------|---|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | |
| | Project. Monitoring surveys for WBSE would include pre-construction phase (twice per month for duration of three months during their breeding season -between December and May, immediately before the commencement of works), construction phase, and operation phase (two years after the completion of construction works). Surveys should be conducted twice per month during their breeding season (from December to May); and once per month outside breeding season (June to November). More details on monitoring for WBSE are presented in the EM&A Manual. | | | | | | | | |
| | Education of staff Staff, including captains of all vessels during construction and operation | | | | | | | | |
| | phases, should be aware of the ecological importance of WBSE. Awareness should be raised among staff to minimise any intentional or unintentional disturbance to the nest. | | | | | | | | |
| | Minimisation of Glare Disturbance | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Im | Implementation Stages* | | Relevant | | |
|-----------|--|----------------------|---|------|------------------------|---|----------|--|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent |) De | s C | Ο | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | To minimise glare disturbance on WBSE, which may cause disorientation of birds by interfering with their magnetic compass, and disruption in behavioural patterns such as reproduction, fat storage and foraging pattern, any un-necessary outdoor lighting should be avoided, and in-ward and down-ward pointing of lights should be adopted. | | | | | | | | |
| - | <u>Construction of Seawall/Breakwaters</u> To widen the open channel between the Artificial Island and Shek Kwu Chau. To design the precast concrete seawall with environmental friendly features. | IWMF site | Design team, contractor, IWN operator | | V | | | Supporting Document for Application for Variation of Environmental Permit (EP- 429/2012) | N/A |
| 7b.8.3.42 | Opt for Quieter Construction Methods and Plants Quieter construction methods and plants should be used to minimise disturbance to the nearby terrestrial habitat and the associated wildlife. | Work site | Design team contractor, IWN operator | | V | ~ | V | EIAO-TM | Implemented |
| 7b.8.3.43 | Measures to minimize impacts from artificial lighting Unnecessary lighting should be avoided, and shielding of lights should be provided to minimize disturbance from light pollution on fauna groups. | IWMF site | Design tean contractor, IWN operator | | V | • | | EIAO-TM | Implemented |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Impl | ementa | ation S | tages* | Relevant | |
|----------------------------------|--|----------------------|------------------------------|------|--------|---------|--------|----------------------------------|--|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| 7b.8.3.4 4 - 7b.8.3.4 5 | Measures to minimize accidental spillage Regular maintenance of vessels, vehicles and equipment that may cause leakage and spillage should only be undertaken within predesignated areas, which are appropriately equipped to control the associated discharges. Oils, fuels and chemicals should be contained in suitable containers, and only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal. | Work site | Contractor, IWMF operator | | ✓ | | | EIAO-TM | Deficiency of Mitigation Measures but rectified by the Contractor. |
| 7b.8.3.46 | Measures to minimise sewage effluent Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. | Work site | Contractor | | ~ | | | EIAO-TM | N/A |
| 7b.8.3.47 | | Work site | Contractor | | ~ | | ~ | EIAO-TM | N/A |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | |
|---------|--|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | Potential ecological impacts resulted | | | | | | | | |
| | from potential degradation of water | | | | | | | | |
| | quality due to unmitigated surface | | | | | | | | |
| | runoff could be minimised via the | | | | | | | | |
| | detailed mitigation measures in Section | | | | | | | | |
| | 5b.8 of the EIA Report. The following | | | | | | | | |
| | presents some of the mitigation | | | | | | | | |
| | measures: | | | | | | | | |
| | On-site drainage system with implemented | | | | | | | | |
| | sedimentation control facilities. | | | | | | | | |
| | - Channels, earth bunds or sand bag | | | | | | | | |
| | barriers should be provided on site | | | | | | | | |
| | to direct storm water to silt removal | | | | | | | | |
| | facilities. | | | | | | | | |
| | - Provision of embankment at | | | | | | | | |
| | boundaries of | | | | | | | | |
| | earthworks for flood protection. | | | | | | | | |
| | Water pumped out from | | | | | | | | |
| | foundation piles must be | | | | | | | | |
| | discharged into silt removal | | | | | | | | |
| | facilities. | | | | | | | | |
| | - During rainstorms, exposed slope/soil surfaces should be | | | | | | | | |
| | covered by tarpaulin or other | | | | | | | | |
| | means, as far as practicable. | | | | | | | | |
| | - Exposed soil surface should be | | | | | | | | |
| | minimized to reduce siltation and | | | | | | | | |
| | runoff. | | | | | | | | |
| | - Earthwork final surfaces should be | | | | | | | | |
| | well compacted. Subsequent | | | | | | | | |
| | permanent surface protection | | | | | | | | |
| | should be immediately performed. | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Impl | ementa | tion S | tages* | Relevant | Implementation Status and Remarks |
|-----------|--|----------------------|-------------------------|------|--------|--------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | |
| | - Open stockpiles of construction materials, and construction wastes on- site should be covered with tarpaulin or similar fabric during rainstorms. | | | | | | | | |
| 7b.8.3.48 | Measures to minimise impacts from general construction activities To avoid the entering of construction solid waste into the nearby habitats, construction solid waste should be collected, handled and disposed of properly to avoid entering to the nearby habitats. It is recommended to clean the construction sites on a regular basis. | Work site | Contractor | | ~ | | | EIAO-TM | Implemented |
| 7b.8.3.49 | Pest Control Good waste management practices should be adopted at the IWMF in order to minimise the risk of introduction of pest to the island: - Transportation of wastes in enclosed containers - Waste storage area should be well maintained and cleaned - Waste should only be disposed of at designated areas - Timely removal of the newly arrived waste - Removal of items that are capable of retaining water | | IWMF operator | | | V | | | N/A |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Impl | ementa | ation Sta | ages* | Relevant | Implementation Status and Remarks |
|-----------|---|----------------------|-------------------------|------|--------|-----------|-------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | |
| | Rapid clean up of any waste spillages Maintenance of a tidy and clean site environment Regular application of pest control Education of staff the importance of site cleanliness | | | | | | | | |
| 7b.8.3.50 | Control of Marine Habitat Quality during Operation Phase | IWMF site | IWMF operator | | | ~ | | EIAO-TM; WPCO | N/A |
| | Depending on the seabed condition of the approach channel for marine vessels during operation phase of the IWMF, maintenance dredging may be required to ensure safe access. In order to avoid degradation in water quality due to elevation in SS and dispersion of sediment plume due to dredging works, it is recommended that any future maintenance dredging works should not be carried out within 100 m from the shore, similar to that of the dredging for anti-scouring protection layer during construction phase. All maintenance dredging works should be carried out with the implementation of silt curtain to control the dispersion of SS. The production rate should comply with the permit dredging rate and number of grab per hour. | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | Implementation Status and Remarks |
|--------------------------------|--|--|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | ο | Dec | Legislation and Guidelines | |
| 7b.8.4. 1 – 7b.8.4. 3 | Measures <u>Compensation of loss of important habitat of Finless Porpoise</u> Designation of Marine Park The Project Proponent has made a firm commitment to seek to designate a marine park of approximately 700 ha in the waters between Soko Islands and Shek Kwu Chau, in accordance with the statutory process stipulated in the Marine Parks Ordinance, as a compensation measure for the habitat loss arising from the construction of the IWMF at the artificial island near SKC. The Project Proponent shall seek to complete the designation by 2018 to tie in with the operation of the IWMF at the artificial island near SKC. A further study should be carried out to review relevant previous studies and collate available information on the ecological characters of the proposed area for marine park designation; and review available survey data for Finless Porpoise, water quality, fisheries, marine traffic and planned development projects in the vicinity. | between Shek Kwu Chau and Soko Islands | Project Proponent | | | | | Guidelines EIAO-TM | N/A |

Integrated Waste Management Facilities, Phase 1

| | Environmental Protection | | | Impl | ementa | ation Stage | * Relevant | | |
|--------------------------------|---|--|-------------------------|----------|--------|-------------|----------------------------------|--------------------------------------|--|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | O De | Legislation and Guidelines | Implementation Status and Remarks | |
| | marine park designation should be established, and the extent and location of the proposed marine park be determined. The adequacy of enhancement measures should also be reviewed. | | | | | | | | |
| | In addition, a management plan for the proposed marine park should be proposed, covering information on the responsible departments for operation and management (O&M) of the marine park, as well as the O&M duties of each of the departments involved. Consultation with relevant government departments and stakeholders should be conducted under the study. The study should be submitted to Director of Environmental Protection (DEP) for approval before the commencement of construction works. | | | | | | | | |
| | • The Project Proponent should provide assistance to AFCD during the process of the marine park designation. | | | | | | | | |
| 7b.8.5. 1 – 7b.8.5. 4 | Additional Enhancement or Precautionary Measures Deployment of Artificial Reefs • Deployment of artificial reefs (ARs) is | Within the proposed marine park under this study | | √ | | ¥ | EIAO-TM | N/A | |
| | an enhancement measure for the | | | | | | | | |

Integrated Waste Management Facilities, Phase 1

Keppel Seghers – Zhen Hua Joint Venture

| | Environmental Protection | | | Imple | ementa | ation S | tages* | Relevant | |
|---------|--|----------------------|-------------------------|-------|--------|---------|--------|----------------------------------|--------------------------------------|
| EIA Ref | Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Implementation Status and Remarks |
| | marine habitats. ARs are proposed to be deployed within the proposed marine park under this Project. The exact location, dimension and type of ARs to be deployed are to be further investigated along with the further study of the proposed marine park under this Project. The proposed ARs would be deployed at the same time as the complete designation of marine park. Release of Fish Fry at Artificial Reefs and Marine Park Release of fish fry at the proposed marine park under this study, should enhance the fish resources in the nearby waters, and subsequently food sources for Finless Porpoise. The proposed ARs | | | | | | | Guidelines | |
| | with various micro-habitats would have the potential to provide shelter and nursery ground for the released fish fry. | | | | | | | | |
| | The frequency and quantity of fry to be released should be agreed by AFCD. | | | | | | | | |

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

| | | | | | Imple | ementa | ation S | Stages* | Relevant | Implementation |
|----------|---|----------------------|-----------------------------------|---------------|----------|--------|---------|---------|----------------------------------|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Impleme Age | | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| 8b.8.1.2 | Measure to minimize loss of and disturbance on fisheries resources Alteration to the phasing of works, construction method, and layout plan of the IWMF at the artificial island near SKC has been made. The total fishing ground to be permanently lost due to the project has been significantly reduced from ~50 ha to ~31 ha. By adopting the current circular cells instead of the conventional seawall | IWMF site | Design contractor | team, | V | V | | * | EIAO-TM | N/A |
| | construction method, SS elevation would be greatly reduced, minimizing adverse impact on the health of fisheries resources. | | | | | | | | | |
| 8b.8.1.3 | Measure to minimize impingement and entrainment | IWMF site | Design contractor, operator | team, IWMF | √ | ~ | ~ | | EIAO-TM | N/A |
| | • Provision of a screen at the water intake point for desalination plant would be essential to minimize the risk of impingement and entrainment of fisheries resources (including fish, larvae and egg) through the intake point. | | | | | | | | | |

Table B.6 Implementation Schedule for Fisheries Measures for the IWMF at the artificial island near SKC

| | | | | | | Imple | ement | ation S | Stages* | Relevant | Implementation |
|--------------------------|--|-----------------------------------|---------------------------------|-----------------------------------|---------------|----------------------|-------|---------|---------|----------------------------------|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | | ation / ming | Implemer Age | | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| 8b.8.1.4- 8b.8.1.6 | Measures to control water quality No wastewater effluent, anti-fouling agent, heavy metals and other contaminants would be released during operation phase of the Project. | Work site | site, IWMF | Design contractor, operator | team, IWMF | ~ | • | ✓ | V | EIAO-TM | Implemented |
| | Mitigation measures recommended in the water quality impact assessment during construction and operation would serve to protect fisheries resources from indirect impacts resulted from the Project | | | | | | | | | | |
| 8b.8.1.7 8b.8.1.8 | <u>Additional Enhancement / Precautionary</u> <u>Measures</u> Artificial Reefs (ARs) are proposed to be deployed within the proposed marine park under this Project as an enhancement measure for the marine habitats. This enhancement feature would bring positive impacts to the previously identified important spawning and nursery ground for fisheries resources. <i>Release of Fish Fry at Artificial Reefs</i> Release of fish fry has been proposed under this Project. The proposed deployment of ARs within the proposed marine park would provide shelter and nursery ground for the released fish fry. The frequency and quantity of fry to be released should be agreed by AFCD. | betwee Islands Shek Chau | ed park waters en Soko | Project Pro | ponent | | | ✓ | | EIAO-TM | N/A |

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

| Table B.7 | Implementation Schedule for Landscape and Visual Measures for the IWMF at the artificial island near SKC | | | | | | | | | | |
|---------------------|--|--|-------------------------|--------|--------|---------|---------|----------------------------------|-----------------------|--|--|
| | | | | Imple | ementa | ation S | Stages* | Relevant | Implementation | | |
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks | | |
| S10b.10 MLVC- 01 | Grass-hydroseeded bare soil surface and stock pile area | Work site / During construction phase | Contractor | | • | | | | N/A | | |
| S10b.10 MLVC-02 | Landscape Design 1) Early planting using fast grow trees and tall shrubs at strategic locations within site as buffer to block view corridors to the site from the VSRs, and to locally screen haul roads, excavation works and site preparation works. | phases | Contractor | ✓ ✓ | • | | | | N/A | | |
| | 2) Use of tree species of dense tree crown to serve as visual barrier. | | | | | | | | | | |
| | Hard and soft landscape treatment (e.g. trees and shrubs) of open areas within development to provide a background for the outdoor containers from open view, shade and shelter, and a green appearance from surrounding viewpoints. | | | | | | | | | | |
| | 4) Planting strip along the periphery of the project site. | | | | | | | | | | |
| | 5) Selected tree species suitable for the coastal condition. | | | | | | | | | | |

Table B.7 Implementation Schedule for Landscape and Visual Measures for the IWMF at the artificial island near SKC

| | | | | Implemen | tation S | Stages* | Relevant | Implementation |
|--------------------|--|--|-------------------------|----------|----------|---------|----------------------------------|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des C | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| S10b.10 MLVC-03 | <u>Adoption of Natural Features of the Existing</u> <u>Shoreline</u> 1) Use of boulders in different sizes and with the similar textures of the existing rocky shores for the construction of breakwater and artificial shoreline in order to blend into the existing natural shoreline. | Work site / During construction phase | Contractor | ✓ | | | | N/A |
| | 2) Use of cellular cofferdam together with the natural boulders to form a curvature shoreline for the reclamation area to echo with the natural shoreline of SKC. | | | | | | | |
| S10b.10 MLVC-04 | <u>Greening Design (Rooftop & Vertical Greening)</u> 1) Implementation of rooftop and vertical greening (vertical building envelope) along the periphery of each building block to increase the amenity value of the work, moderate temperature extremes and enhance building energy performance. The greening appearance of the building shall enhance its visual harmony with the natural surroundings as well as reduce the apparent visual mass of the structure. | Work site / During design & construction phases | Contractor | ✓ ✓ | | | | N/A |
| | Sufficient space between concrete enclosure and stack to minimize heat transfer. | | | | | | | |
| | 3) Introduction of landscape decks at the stack to further enhance the overall natural and green concept unique for this site. | | | | | | | |

| | | | | Imple | menta | ation S | tages* | Relevant | Implementation | | | | | | | | | | |
|-------------------|---|--|-------------------------|-------|--------------|---------|--------|----------------------------------|-----------------------|--|--|--|--|--|--|--|--|--|--|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks | | | | | | | | | | |
| S10b.10 MVC-01 | Visual Mitigation and Aesthetic Design | Structures in IWMF / | Contractor | ~ | \checkmark | | | | N/A | | | | | | | | | | |
| MVC-01 | Use of natural materials with recessive color to minimize the bulkiness of the building. | During design & constructio | | | | | | | | | | | | | | | | | |
| | Adoption of innovative aesthetic design to the chimney to minimize or visually mitigate the massing of the chimney so as to reduce its visual impact to the surroundings. | n phases | | | | | | | | | | | | | | | | | |
| | Color of the chimney in a gradual changing manner to match with the color of the sky. | | | | | | | | | | | | | | | | | | |
| | Provision of observation deck for public enjoyment at the top of the chimney to diminish the feeling of chimney. | | | | | | | | | | | | | | | | | | |
| | 5) Provision of sky gardens between the two stacks to allow additional greening for enhancing the aesthetic quality. Maintenance access (elevator and staircase) from the ground floor to the sky gardens will be provided to allow maintenance of the sky gardens. | | | | | | | | | | | | | | | | | | |
| | Integration of the visitor's walkway with different material façade design of incinerator plant to enhance the aesthetic quality. | | | | | | | | | | | | | | | | | | |
| S10b.10 MVC-02 | Control of the security floodlight for construction areas at night to avoid excessive glare to the surrounding receiver. | Work site / During construction phase | Contractor | | ✓ | | | | Implemented | | | | | | | | | | |

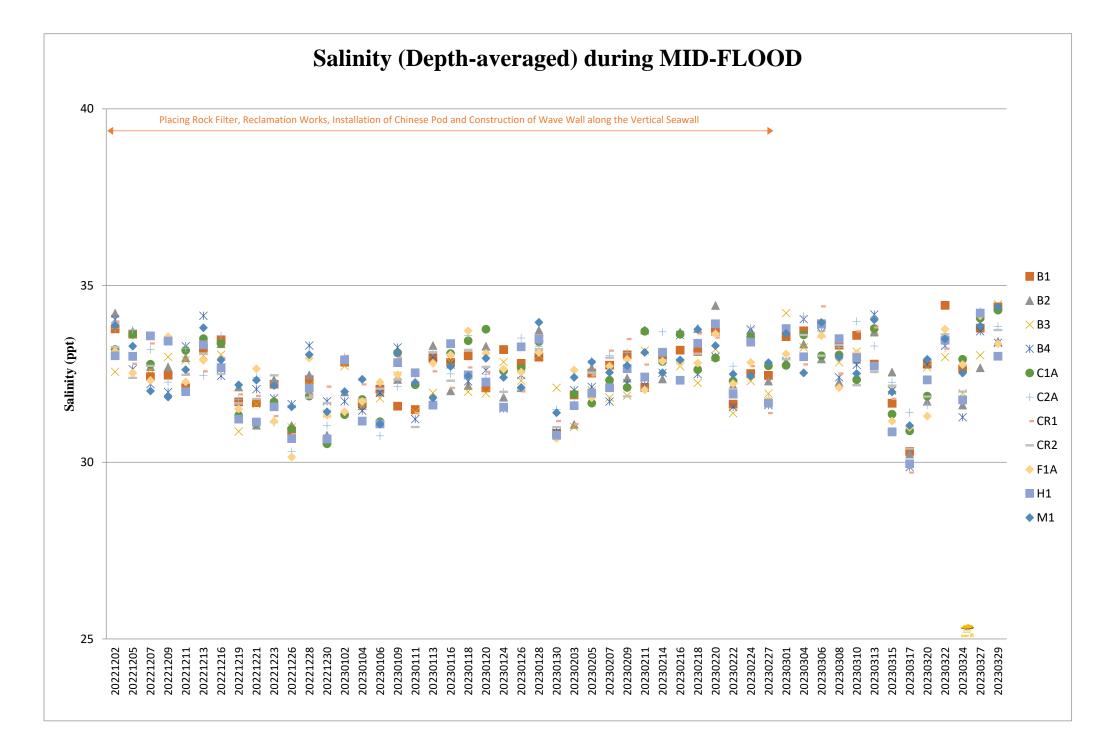
| | | | | Implem | nenta | tion S | tages* | Relevant | Implementation |
|--------------------|---|--|-------------------------|--------|-------|--------|--------|----------------------------------|-----------------------|
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Des | С | 0 | Dec | Legislation and Guidelines | Status and Remarks |
| S10b.10 MVC-03 | Optimization of the construction sequence and construction programme to minimize the duration of impact. | Work site / During design & construction phases | Contractor | ~ | ✓ | | | | Implemented |
| S10b.10 MVC-04 | Storage of the backfilling materials for site formation & construction materials / wastes on site at a maximum height of 2m, covered with an impermeable material of visually un- obtrusive material (in earth tone). | Work site / During construction phase | Contractor | | ~ | | | | N/A |
| S10b.10 MVC-05 | Reduction of the number of construction traffic at the site to practical minimum. | Work site / During construction phase | Contractor | | ✓ | | | | Implemented |
| S10b.10 MLVO-01 | Planting Maintenance Provision of proper planting maintenance and replacement of defective plant species on the new planting areas to enhance aesthetic and landscape quality. | Project site / During Operation phase | Contractor | | | ✓ | | | N/A |
| S10b.10 MVO-01 | Environmental Education Centre Development of an Environmental Education Center, in which regular exhibitions and lectures to promote environmental awareness and waste reduction concept would be provided, as a part of the IWMF for the general public to alleviate negative public perceptions of the development. | Project site / During Operation phase | Contractor | | | ~ | | | N/A |
| S10b.10 MVO-02 | <u>Control of Light</u> Control the numbers of lights and their intensity to a level that is good enough to meet the safety requirements at night but not excessive. | Project site / During Operation phase | Contractor | | | ~ | | | N/A |

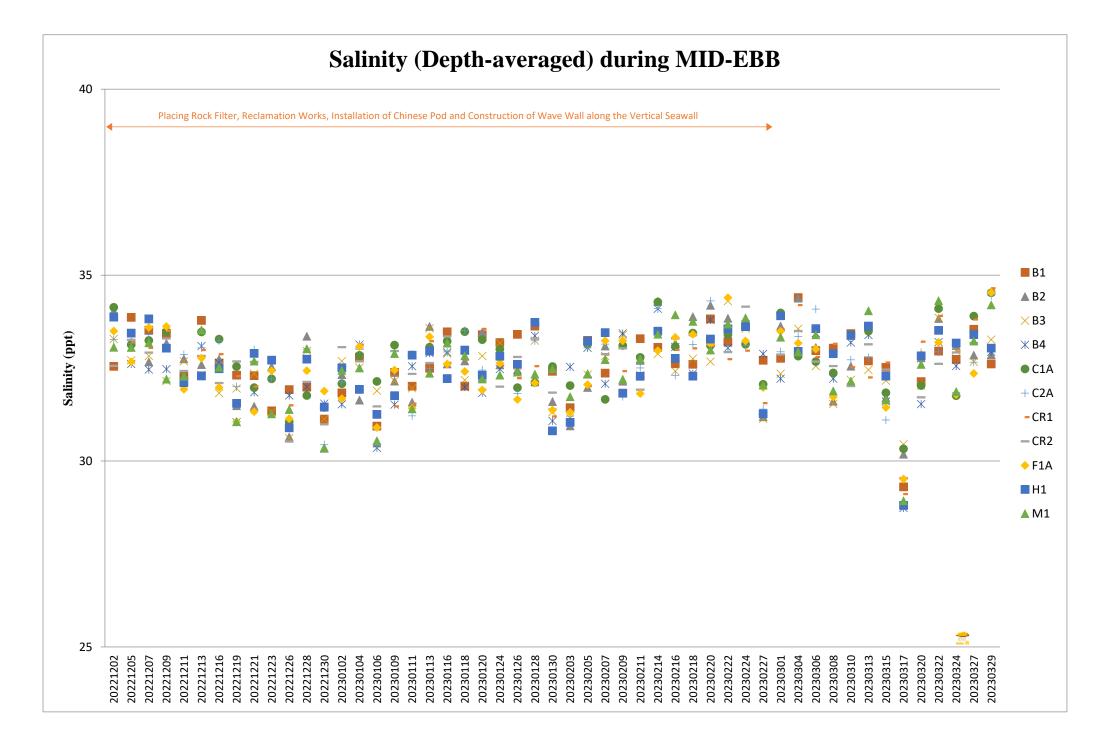
Keppel Seghers – Zhen Hua Joint Venture

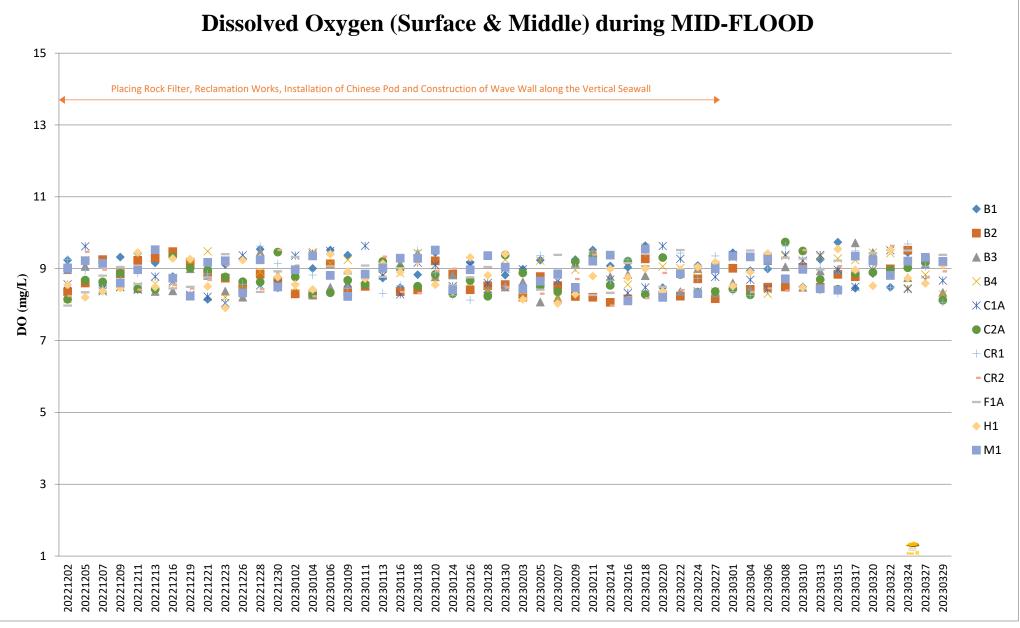
| EIA Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Imple Des | ementat C | ion S O | tages* Dec | Relevant Legislation and Guidelines | Implementation Status and Remarks |
|-------------------|--|--|-------------------------|--------------|--------------|------------|---------------|--|---|
| S10b.10 MVO-03 | <u>Control of Operation Time</u> Minimization of the frequency of waste transportation to practical minimum (e.g. limit the reception of MSW from 8 am to 8 pm) | Project site / During Operation phase | Contractor | | | ~ | | | N/A |

* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

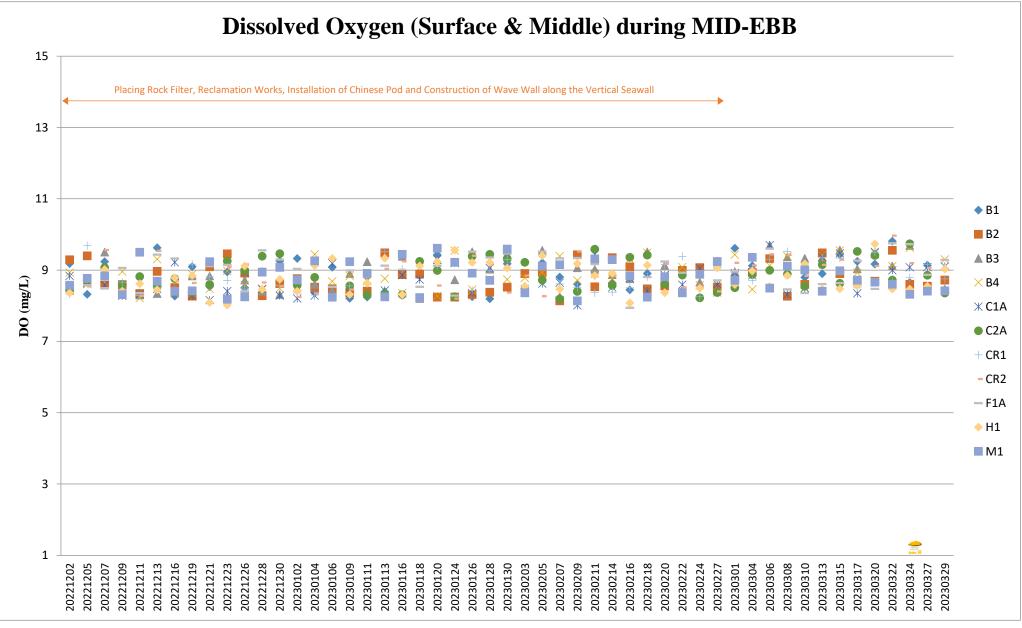
Appendix C Water Quality Monitoring Data Trending



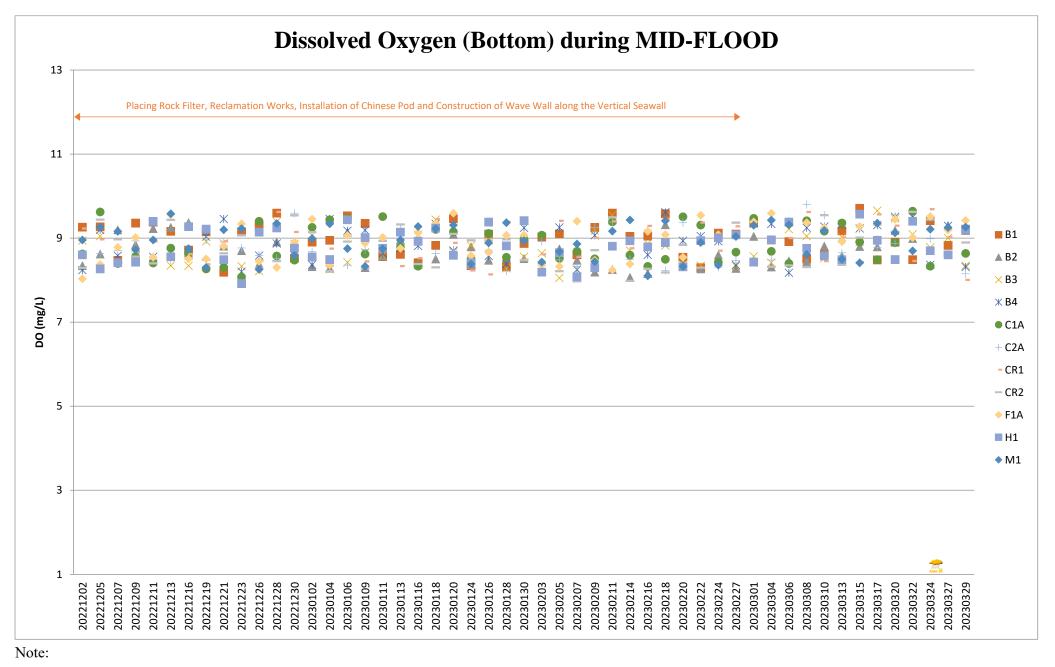




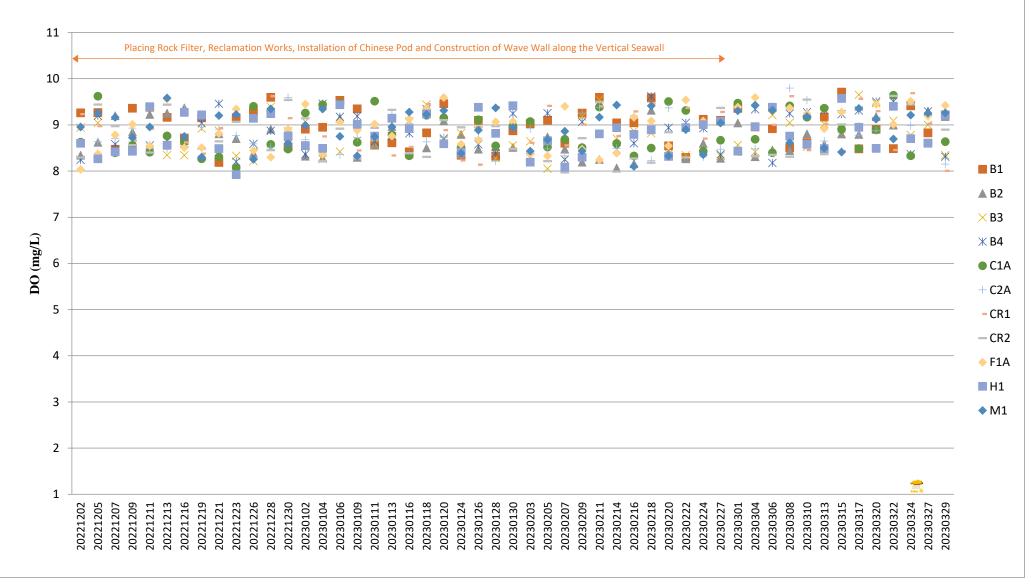
Note:



Note:

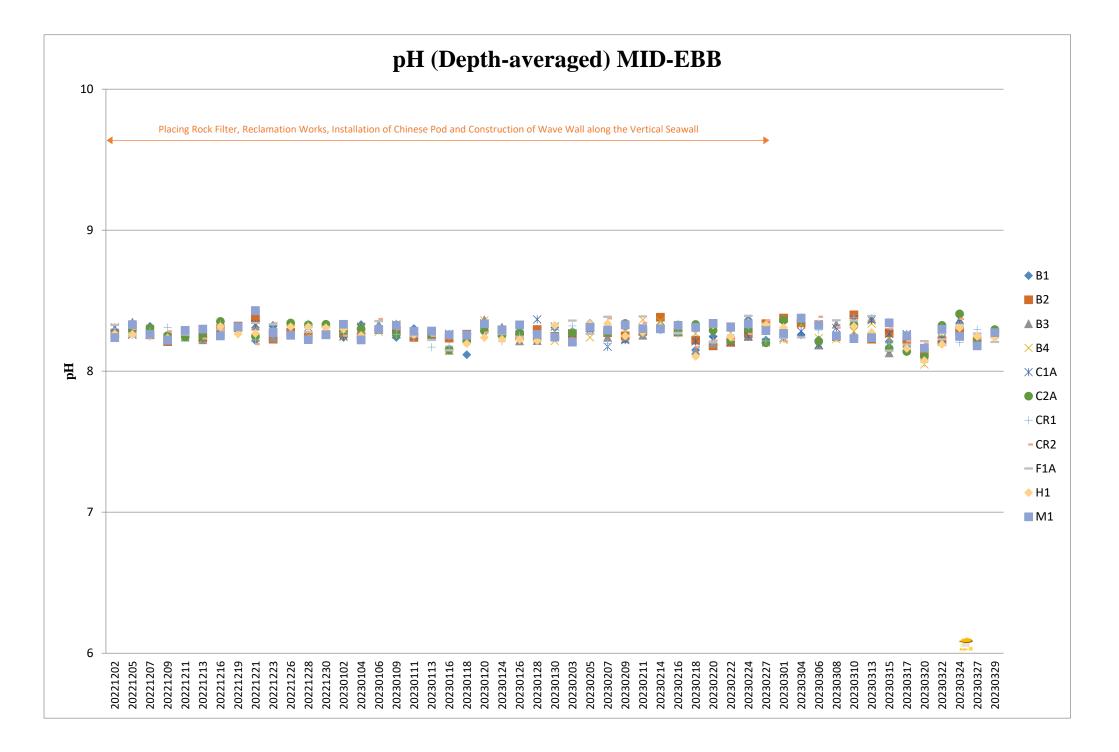


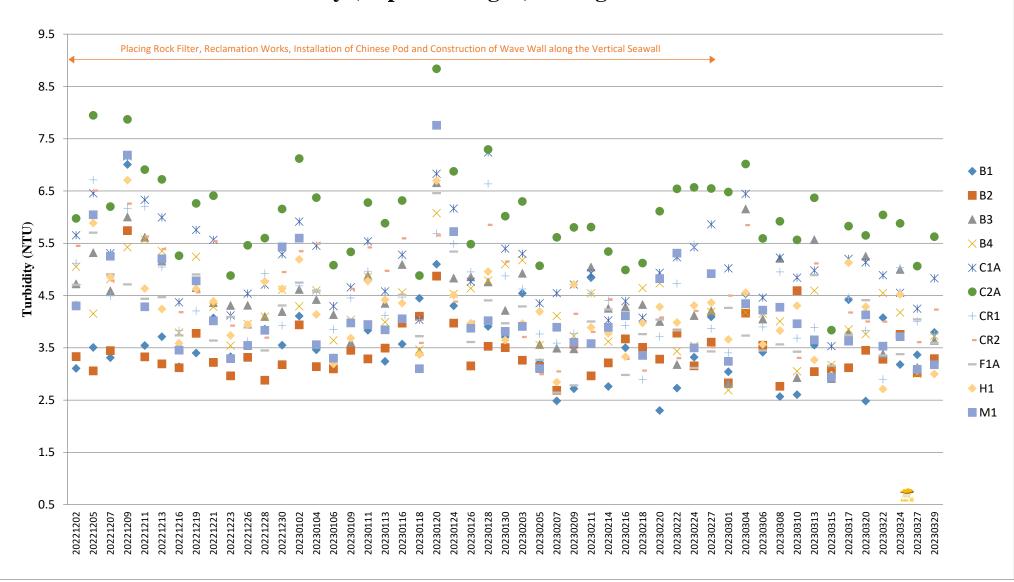
Dissolved Oxygen (Bottom) during MID-EBB



Note:

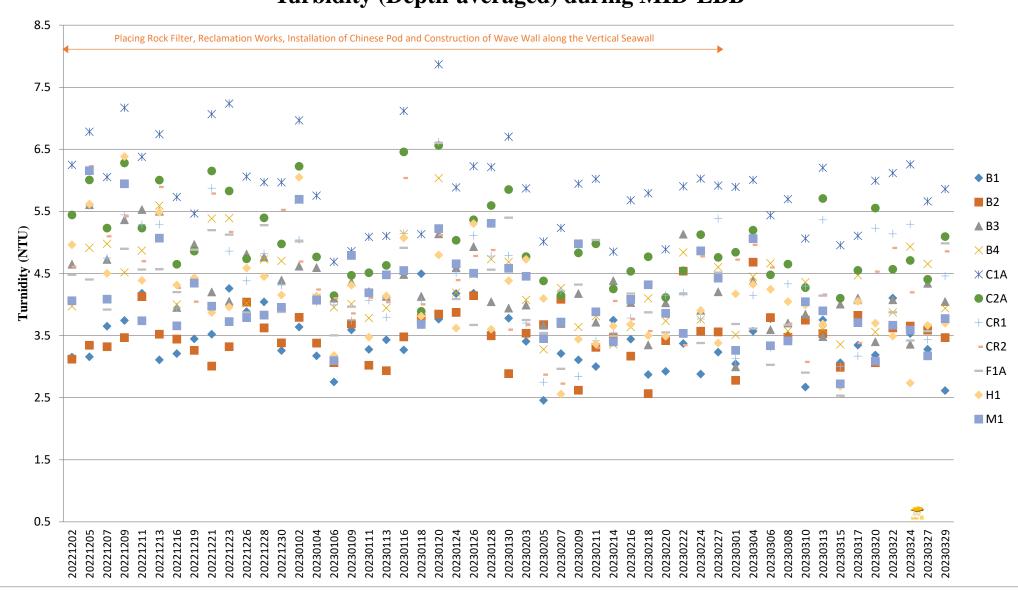
pH (Depth-averaged) during MID-FLOOD Placing Rock Filter, Reclamation Works, Installation of Chinese Pod and Construction of Wave Wall along the Vertical Seawall B1 B2 **₽ ¥** X ▲ B3 \times B4 μd X C1A C2A + CR1- CR2 - F1A 🔶 H1 M1 20221205 20221216 20230106 20230128 20230218 20230227 20230310





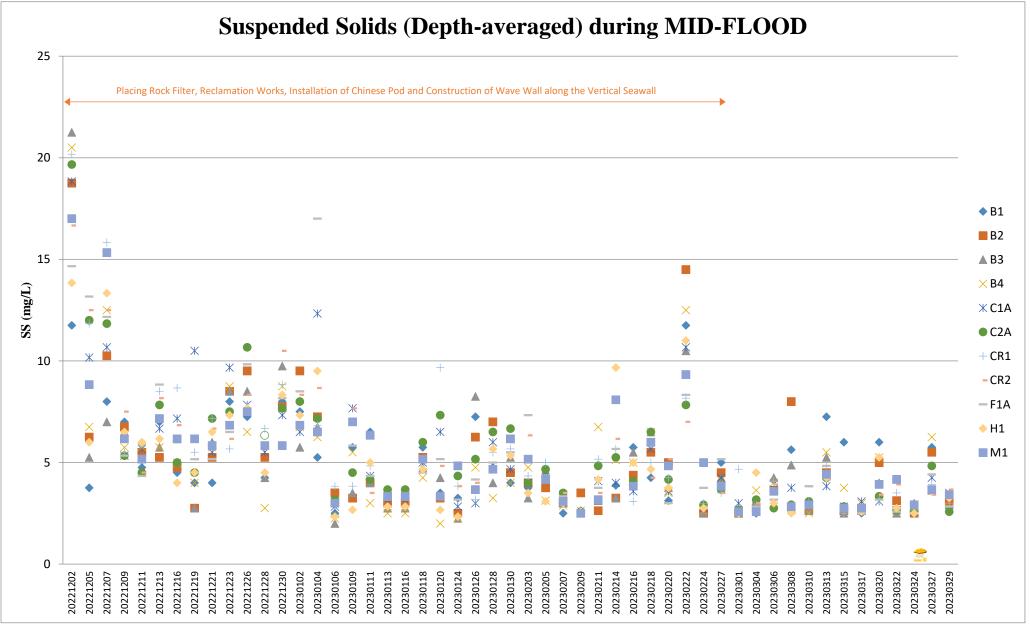
Turbidity (Depth-averaged) during MID-FLOOD

Note:



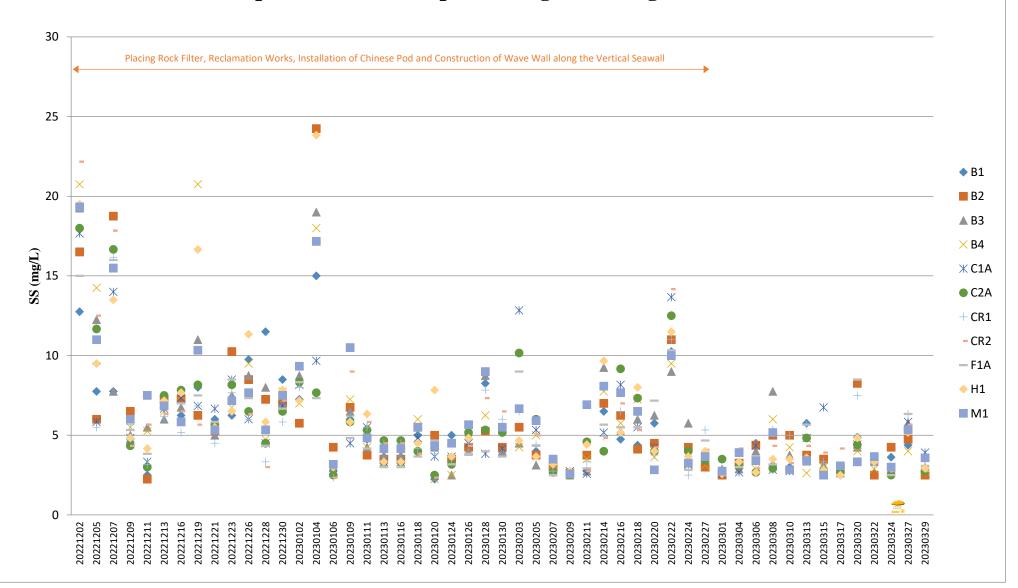
Turbidity (Depth-averaged) during MID-EBB

Note:

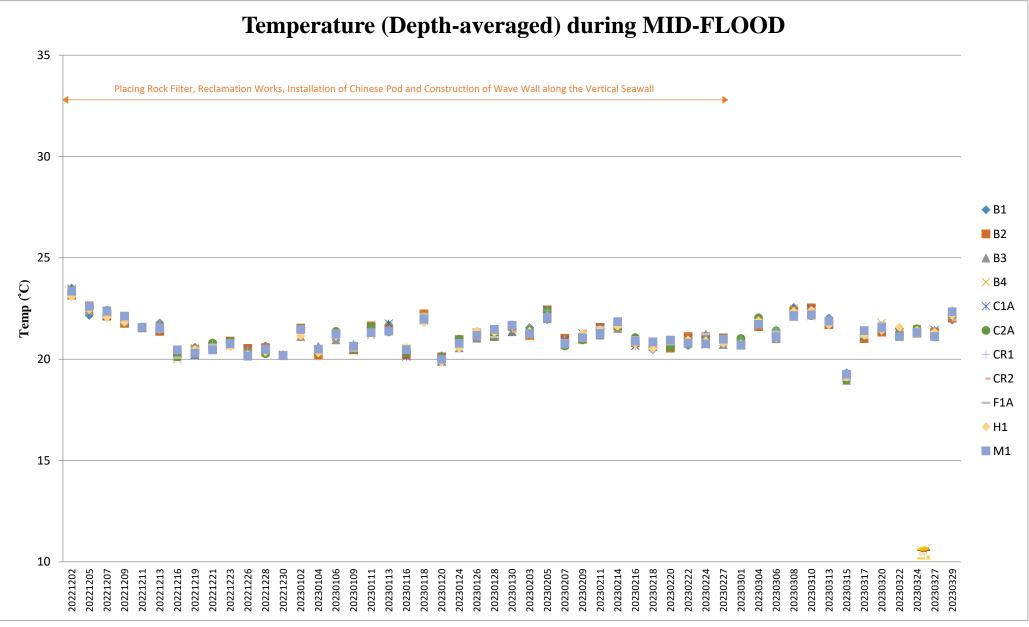


Note:

Suspended Solids (Depth-averaged) during MID-EBB

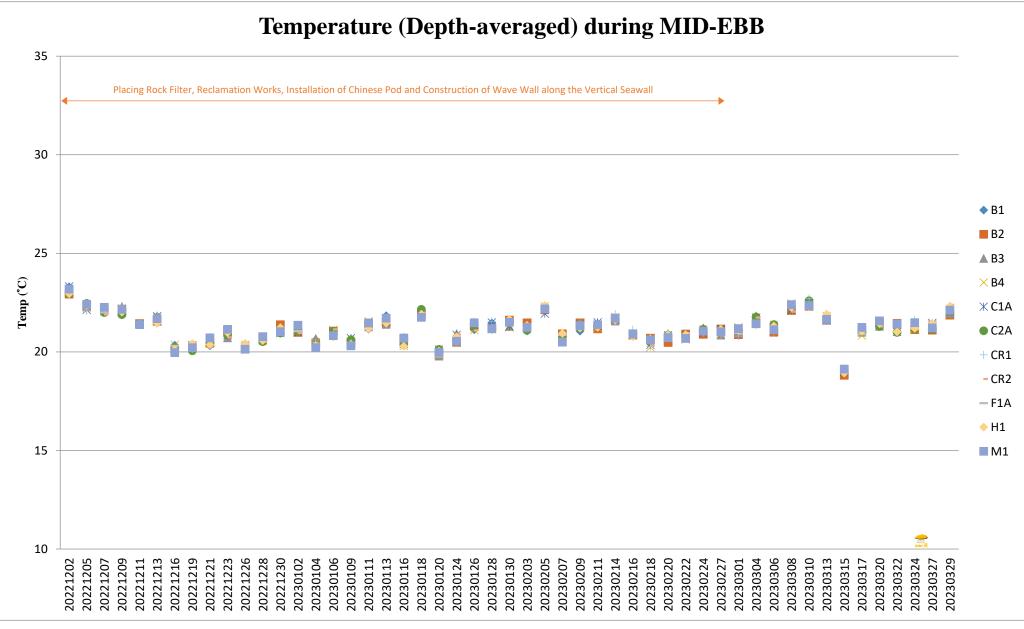


Note:



Note:

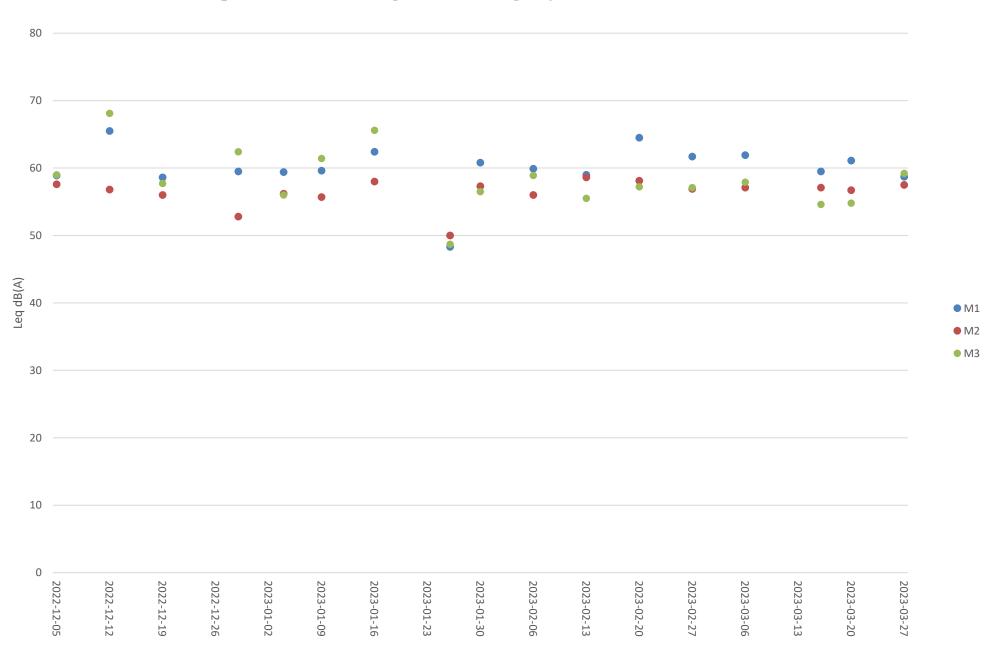
1. The Action and Limit Levels of dissolved oxygen can be referred to Table 2.2 of the quarterly EM&A report.



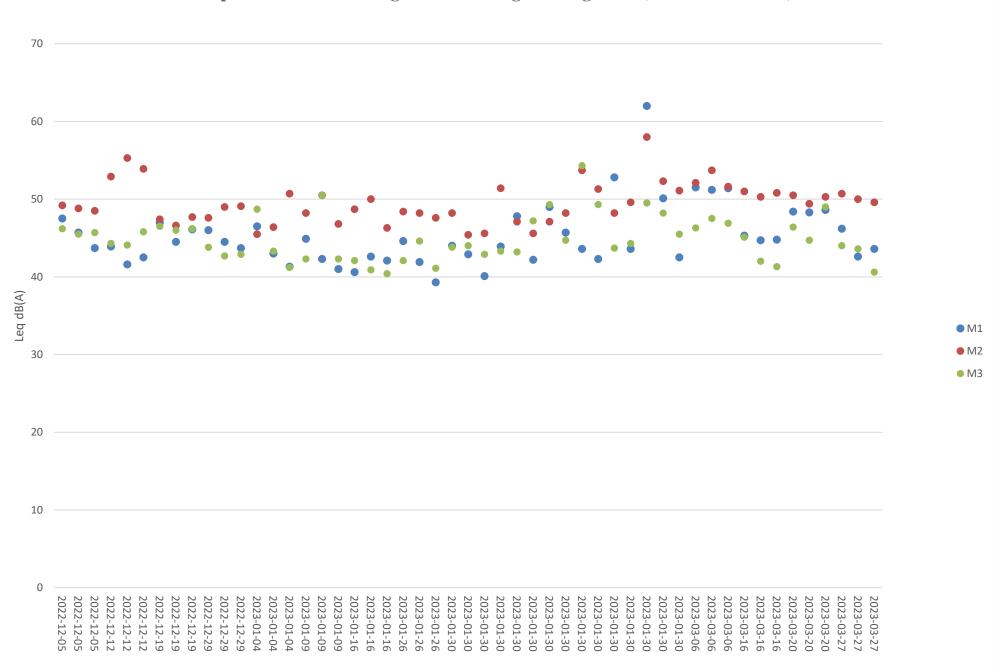
Note:

1. The Action and Limit Levels of dissolved oxygen can be referred to Table 2.2 of the quarterly EM&A report.

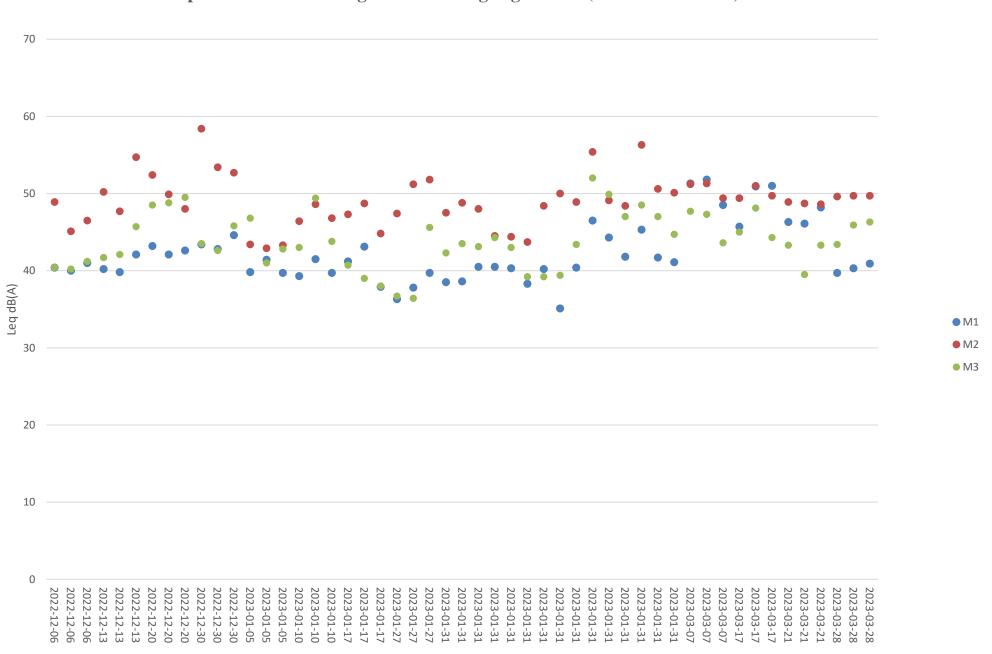
Appendix D Noise Monitoring Data Trending



Impact Noise Monitoring Results during Day Time (0700 - 1900 hours)



Additional Impact Noise Monitoring Results during Evening Time (1900 - 2300 hours)



Additional Impact Noise Monitoring Results during Night Time (2300 - 0700 hours)

| Location of works | Construction activities undertaken | Remarks on progress |
|-------------------|--|---------------------|
| Reclamation area | Reclamation works | Completed |
| | • Installation of Instrumentation | On-going |
| | • Site Investigation works for foundation | On-going |
| | • Foundation works (including Driven H Pile and Socketed H Pile) | • On-going |
| | Pile cap construction | • On-going |
| | • Structural steel work | • On-going |
| Seawall portion | Installation of Chinese Pod | Completed |
| | • Caisson extension works, from +3mPD to +6mPD, at Seawall A and B | On-going |
| | • Construction of wave wall along the vertical seawall | On-going |

Summary of the Construction Activities Undertaken during the Reporting Period

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1) |
|--|---|
| Monitoring date: | 04, 09, 16, 26, 30 January 2023 (Daytime) |
| | 04&05, 09&10, 16&17, 26&27, 30&31 January 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Nil |

| Date | Start time | | End time | Weather | $\frac{L_{eq \ 30min} dB(A) / }{L_{eq \ 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used |
|----------------|---------------|---|-------------|---------|--|-----------------------------------|-----------------------------|
| 04 Jan 2023 | 13:33 | - | 14:03 | Cloudy | 59.4 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724243) |
| 04.1 | 19:13 | - | 19:18 | | 46.5 | GYAN 071 (G 1 | D: NO 75 |
| 04 Jan 2023 | 20:23 | - | 20:28 | Fine | 43.0 | SVAN 971 (Serial | Rion NC-75 (No.34724243) |
| 2025 | 21:08 | - | 21:13 | | 41.3 | No. 96062) | (100.34724243) |
| 05 Jan | 1:23 | - | 1:28 | | 39.8 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 3:13 | - | 3:18 | Fine | 41.4 | No. 96062) | (No.34724243) |
| 2025 | 5:18 | - | 5:23 | | 39.7 | NO. 90002) | (10.34724243) |
| 09 Jan 2023 | 13:04 | - | 13:34 | Cloudy | 59.6 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724243) |
| 00 I | 19:24 | - | 19:29 | | 44.9 | | D: NO 75 |
| 09 Jan 2023 | 20:24 | - | 20:29 | Fine | 42.3 | SVAN 971 (Serial | Rion NC-75 (No.34724243) |
| 2023 | 21:24 | - | 21:29 | | 41.0 | No. 96062) | (1N0.34/24243) |
| 10 I.u. | 1:24 | - | 1:29 | | 39.3 | $\mathbf{GVAN} = 0.71 (0 + 0.71)$ | Rion NC-75 |
| 10 Jan 2023 | 3:14 | - | 3:19 | Fine | 41.5 | SVAN 971 (Serial No. 96062) | (No.34724244) |
| 2025 | 5:09 | - | 5:14 | | 39.7 | | |
| 16 Jan 2023 | 13:09 | - | 13:39 | Cloudy | 62.4 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724243) |
| 16 Jan | 19:29 | - | 19:34 | | 40.6 | SVAN 071 (Carial | Rion NC-75 |
| 2023 | 20:19 | - | 20:24 | Fine | 42.6 | SVAN 971 (Serial No. 96062) | (No.34724243) |
| 2025 | 21:19 | - | 21:24 | | 42.1 | NO. 90002) | (100.34724243) |
| 17 Jan | 1:24 | - | 1:29 | | 41.2 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 3:24 | - | 3:29 | Fine | 43.1 | No. 96062) | (No.34724243) |
| 2025 | 5:39 | - | 5:44 | | 37.9 | NO. 90002) | (10.34724243) |
| 26 Jan 2023 | 13:16 | - | 13:46 | Fine | 48.3 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724243) |
| | 19:21 | - | 19:26 | | 44.6 | | D: NO 75 |
| 26 Jan | 20:06 | - | 20:11 | Fine | 41.9 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 21:16 | - | 21:21 | | 39.3 | No. 96062) | (No.34724243) |
| 27.1 | 1:06 | - | 1:11 | | 36.3 | QUANO71 (Comint | Dian NC 75 |
| 27 Jan 2023 | 3:11 | - | 3:16 | Fine | 37.8 | SVAN 971 (Serial No. 96062) | Rion NC-75 |
| 2023 | 5:16 | - | 5:21 | | 39.7 | INU. 90002) | (No.34724243) |
| 30 Jan 2023 | 13:16 | - | 13:46 | Sunny | 60.8 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724243) |

| Date | Start time | | End time | Weather | L _{eq 30min} dB(A) / L _{eq 5min} dB(A) | Sound Level Meter Used | Calibrator Used |
|--------|---------------|---|-------------|---------|---|--------------------------------|-----------------------------|
| 30 Jan | 19:26 | - | 19:31 | | 44.0 | SVAN 971 (Serial | D' NG 75 |
| 2023 | 20:21 | 1 | 20:26 | Fine | 42.9 | No. 96062) | Rion NC-75 (No.34724243) |
| 2025 | 21:36 | 1 | 21:41 | | 40.1 | 10.90002) | (10.34724243) |
| 31 Jan | 1:21 | 1 | 1:26 | | 38.5 | QUAN 071 (Carial | Dian NC 75 |
| | 3:11 | 1 | 3:16 | Fine | 38.6 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724243) |
| 2023 | 5:11 | - | 5:16 | | 40.5 | INU. 90002) | (100.34724243) |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1) |
|--|--|
| Monitoring date: | 06, 13, 20, 27 February 2023 (Daytime) |
| | 06&07, 13&14, 20&21, 27&28 February 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Nil |

| Date | Start time | | End time | Weather | $\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used |
|----------------|---------------|---|-------------|---------|--|-----------------------------------|-----------------------------|
| 06 Feb 2023 | 13:18 | - | 13:48 | Sunny | 59.9 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| | 19:13 | - | 19:18 | | 43.9 | $\mathbf{GVAN} = 0.71 (0 + 0.71)$ | D' NO 75 |
| 06 Feb 2023 | 20:08 | - | 20:13 | Fine | 47.8 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 2025 | 21:08 | - | 21:13 | | 42.2 | NO. 90002) | (1N0.34/24244) |
| 07 Esh | 1:18 | - | 1:23 | | 40.5 | SVAN 071 (Seriel | Rion NC-75 |
| 07 Feb 2023 | 3:23 | - | 3:28 | Fine | 40.3 | SVAN 971 (Serial No. 96062) | |
| 2025 | 5:28 | - | 5:33 | | 38.3 | NO. 90002) | (No.34724244) |
| 13 Feb 2023 | 13:47 | - | 14:17 | Sunny | 59.0 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 12 E-1 | 19:17 | - | 19:22 | | 49.0 | QUANO71 (Carial | Diam NO 75 |
| 13 Feb 2023 | 20:27 | - | 20:32 | Fine | 45.7 | SVAN 971 (Serial | Rion NC-75 (No.34724244) |
| 2025 | 21:22 | - | 21:27 | | 43.6 | No. 96062) | (10.34/24244) |
| 14 E-1 | 1:17 | - | 1:22 | | 40.2 | $\mathbf{GVAN} = 0.71 (0 + 0.71)$ | Rion NC-75 |
| 14 Feb 2023 | 3:17 | - | 3:22 | Fine | 35.1 | SVAN 971 (Serial No. 96062) | (No.34724244) |
| 2025 | 5:22 | - | 5:27 | | 40.4 | | |
| 20 Feb 2023 | 13:53 | - | 14:23 | Sunny | 64.5 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 20 E-1 | 19:18 | - | 19:23 | | 42.3 | SVAN 071 (Seviel Diev NG | Diam NO 75 |
| 20 Feb 2023 | 20:13 | - | 20:18 | Fine | 52.8 | SVAN 971 (Serial | Rion NC-75 |
| 2025 | 21:28 | - | 21:33 | | 43.6 | No. 96062) | (No.34724244) |
| 01 Esh | 1:13 | - | 1:18 | | 46.5 | SVAN 071 (Seriel | Diam NC 75 |
| 21 Feb 2023 | 3:18 | - | 3:23 | Sunny | 44.3 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 2025 | 5:18 | - | 5:23 | | 41.8 | NO. 90002) | (10.54724244) |
| 27 Feb 2023 | 13:34 | - | 14:04 | Fine | 61.7 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| | 19:29 | - | 19:34 | | 62.0 | | D' NO 75 |
| 27 Feb 2023 | 20:24 | - | 20:29 | Fine | 50.1 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 21:29 | - | 21:34 | | 42.5 | No. 96062) | (No.34724244) |
| 20 Eak | 1:09 | - | 1:14 | | 45.3 | SVAN 071 (Cari-1 | Rion NC-75 |
| 28 Feb 2023 | 3:19 | - | 3:24 | Fine | 41.7 | SVAN 971 (Serial No. 96062) | (No.34724244) |
| 2023 | 5:14 | - | 5:19 | | 41.1 | INO. 90002) | (1N0.34/24244) |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 1 (M1 / N_S1) |
|--|--|
| Monitoring date: | 06, 16, 20, 27 March 2023 (Daytime) |
| | 06&07, 16&17, 20&21, 27&28 March 2023 (Evening & Night time) |
| Parameter : | L _{eq 30min} (Daytime), L _{eq 5min} (Evening & Night time) |
| Noise source other than construction activities from the Project: | Nil |

| Date | Start time | | End time | Weather | L _{eq 30min} dB(A) / L _{eq 5min} dB(A) | Sound Level Meter Used | Calibrator Used |
|----------------|---------------|---|-------------|---------|---|--------------------------------|-----------------------------|
| 06 Mar 2023 | 13:44 | - | 14:14 | Sunny | 61.9 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 06 Mar | 19:14 | - | 19:19 | | 51.5 | SVAN 071 (Seriel | Rion NC-75 |
| 2023 | 20:29 | - | 20:34 | Fine | 51.2 | SVAN 971 (Serial No. 96062) | (No.34724244) |
| 2025 | 21:34 | - | 21:39 | | 51.4 | NO. 90002) | (10.34724244) |
| 07 Mar | 1:09 | - | 1:14 | | 51.3 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 3:19 | - | 3:24 | Fine | 51.8 | No. 96062) | (No.34724244) |
| 2023 | 5:19 | - | 5:24 | | 48.5 | NO. 90002) | (10.34724244) |
| 16 Mar 2023 | 13:58 | - | 14:28 | Sunny | 59.5 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 16 Man | 19:18 | - | 19:23 | | 45.3 | SVAN 071 (Carial | Dian NC 75 |
| 16 Mar 2023 | 20:03 | - | 20:08 | Fine | 44.7 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 2025 | 21:18 | - | 21:23 | | 44.8 | | |
| 17 Mar | 1:28 | - | 1:33 | | 45.7 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 2023 | 3:23 | - | 3:28 | Fine | 50.9 | | |
| 2025 | 5:18 | - | 5:23 | | 51.0 | | |
| 20 Mar 2023 | 13:36 | - | 14:06 | Fine | 61.1 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 20.14 | 19:11 | - | 19:16 | | 48.4 | GUAN 071 (Carial | D: NO 75 |
| 20 Mar 2023 | 20:06 | - | 20:11 | Fine | 48.3 | SVAN 971 (Serial | Rion NC-75 |
| 2025 | 21:26 | - | 21:31 | | 48.6 | No. 96062) | (No.34724244) |
| 21 Mar | 1:26 | - | 1:31 | | 46.3 | SVAN 971 (Serial | Rion NC-75 |
| 21 Mar 2023 | 3:26 | - | 3:31 | Cloudy | 46.1 | No. 96062) | (No.34724244) |
| 2023 | 5:26 | - | 5:31 | | 48.2 | NO. 90002) | (10.34724244) |
| 27 Mar 2023 | 13:35 | - | 14:05 | Fine | 58.7 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 07.14 | 19:20 | - | 19:25 | | 46.2 | | D: NG 75 |
| 27 Mar 2023 | 20:20 | - | 20:25 | Fine | 42.6 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 21:10 | - | 21:15 |] | 43.6 | No. 96062) | (No.34724244) |
| 29 Mar | 1:15 | - | 1:20 | | 39.7 | CVANO71 (Carial | Dian NC 75 |
| 28 Mar 2023 | 3:25 | - | 3:30 | Fine | 40.3 | SVAN 971 (Serial No. 96062) | Rion NC-75 (No.34724244) |
| 2025 | 5:20 | - | 5:25 | | 40.9 | NO. 90002) | (1N0.34/24244) |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2) |
|--|---|
| Monitoring date: | 04, 09, 16, 26, 30 January 2023 (Daytime) |
| | 04&05, 09&10, 16&17, 26&27, 30&31 January 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Nil |

| Date | Start time | | End time | Weather | $\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used |
|----------------|---------------|---|-------------|---------|--|---------------------------------|-----------------------------|
| 04 Jan 2023 | 13:41 | - | 14:11 | Cloudy | 56.2 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| 04 1 | 19:11 | - | 19:16 | | 45.5 | | Diam NC 75 |
| 04 Jan 2023 | 20:16 | - | 20:21 | Fine | 46.4 | SVAN 971 (Serial | Rion NC-75 |
| 2025 | 21:11 | - | 21:16 | | 50.7 | No. 103482) | (No.34724243) |
| 05 Jan | 1:16 | 1 | 1:21 | | 43.4 | SVAN 071 (Seriel | Rion NC-75 |
| 2023 | 3:06 | 1 | 3:11 | Fine | 42.9 | SVAN 971 (Serial No. 103482) | (No.34724243) |
| 2025 | 5:11 | - | 5:16 | | 43.3 | NO. 103462) | (10.34724243) |
| 09 Jan 2023 | 13:17 | - | 13:47 | Cloudy | 55.7 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| 00 I | 19:22 | - | 19:27 | | 48.2 | | D: NG 75 |
| 09 Jan | 20:27 | - | 20:32 | Fine | 50.5 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 21:22 | - | 21:27 | | 46.8 | No. 103482) | (No.34724243) |
| 10.1 | 1:22 | - | 1:27 | | 46.4 | | D: NG 75 |
| 10 Jan | 3:17 | - | 3:22 | Fine | 48.6 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| 2023 | 5:07 | - | 5:12 | | 46.8 | | |
| 16 Jan 2023 | 13:20 | - | 13:50 | Cloudy | 58.0 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| 16 Jan | 19:15 | - | 19:20 | | 48.7 | | Dian NC 75 |
| 16 Jan 2023 | 20:10 | - | 20:15 | Fine | 50.0 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| 2025 | 21:25 | - | 21:30 | | 46.3 | NO. 105482) | (100.54724245) |
| 17 I.m | 1:25 | - | 1:30 | | 47.3 | SVAN 071 (Seriel | D: NG 55 |
| 17 Jan 2023 | 3:25 | - | 3:30 | Fine | 48.7 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| 2025 | 5:25 | - | 5:30 | | 44.8 | NO. 105482) | (100.54724245) |
| 26 Jan 2023 | 13:19 | - | 13:49 | Fine | 50.0 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |
| | 19:34 | - | 19:39 | | 48.4 | | D: NO 75 |
| 26 Jan | 20:29 | - | 20:34 | Fine | 48.2 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 21:34 | - | 21:39 | 1 | 47.6 | No. 103482) | (No.34724243) |
| 07.1 | 1:19 | - | 1:24 | | 47.4 | QUANO71 (Contra | Dian NC 75 |
| 27 Jan 2023 | 3:09 | - | 3:14 | Fine | 51.2 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 5:14 | - | 5:19 | | 51.8 | No. 103482) | (No.34724243) |
| 30 Jan 2023 | 13:31 | - | 14:01 | Sunny | 57.3 | SVAN 971 (Serial No. 103482) | Rion NC-75 (No.34724243) |

| Date | Start time | | End time | Weather | L _{eq 30min} dB(A) / L _{eq 5min} dB(A) | Sound Level Meter Used | Calibrator Used |
|--------|---------------|---|-------------|---------|---|---------------------------|--------------------|
| 30 Jan | 19:26 | - | 19:31 | | 48.2 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 20:46 | 1 | 20:51 | Fine | 45.4 | No. 103482) | (No.34724243) |
| 2025 | 21:46 | 1 | 21:51 | | 45.6 | NO. 103462) | (110.34724243) |
| 31 Jan | 1:26 | 1 | 1:31 | | 47.5 | SVAN 971 (Serial | Rion NC-75 |
| 2023 | 3:16 | 1 | 3:21 | Fine | 48.8 | | (No.34724243) |
| 2023 | 5:21 | - | 5:26 | | 48.0 | No. 103482) | (100.34724243) |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2) |
|--|--|
| Monitoring date: | 06, 13, 20, 27 February 2023 (Daytime) |
| | 06&07, 13&14, 20&21, 27&28 February 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Nil |

| Date | Start time | | End time | Weather | $\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used | |
|----------------|---------------|---|-------------|---------|--|-----------------------------------|-----------------------------|--|
| 06 Feb 2023 | 13:28 | - | 13:58 | Sunny | 56.0 | SVAN 971 (Serial No. C119577) | Rion NC-75 (No.34724244) | |
| | 19:08 | - | 19:13 | | 51.4 | QUANO71 (Carial | Diam NO 75 | |
| 06 Feb | 20:28 | - | 20:33 | Fine | 47.1 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:08 | - | 21:13 | | 45.6 | No. C119577) | (No.34724244) | |
| 07 5 1 | 1:13 | - | 1:18 | | 44.5 | | D: NO 75 | |
| 07 Feb | 3:28 | - | 3:33 | Fine | 44.4 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:18 | - | 5:23 | | 43.7 | No. C119577) | (No.34724244) | |
| 13 Feb 2023 | 13:33 | - | 14:03 | Sunny | 58.6 | SVAN 971 (Serial No. C119577) | Rion NC-75 (No.34724244) | |
| 12 1 1 | 19:08 | - | 19:13 | | 47.1 | | Rion NC-75 (No.34724244) | |
| 13 Feb 2023 | 20:23 | - | 20:28 | Fine | 48.2 | SVAN 971 (Serial | | |
| | 21:18 | - | 21:23 | | 53.7 | No. C119577) | | |
| 14 1 1 | 1:28 | - | 1:33 | | 49.3 | $\mathbf{GVAN} = 0.71 (0 + 0.71)$ | D' NO 75 | |
| 14 Feb | 3:23 | - | 3:28 | Fine | 44.7 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:23 | - | 5:28 | | 54.3 | No. C119577) | (No.34724244) | |
| 20 Feb 2023 | 13:38 | - | 14:08 | Sunny | 58.1 | SVAN 971 (Serial No. C119577) | Rion NC-75 (No.34724244) | |
| 20 F 1 | 19:13 | - | 19:18 | | 51.3 | | D: NO 77 | |
| 20 Feb | 20:13 | - | 20:18 | Fine | 48.2 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:23 | - | 21:28 | | 49.6 | No. C119577) | (No.34724244) | |
| | 1:23 | - | 1:28 | | 55.4 | | D: NO 75 | |
| 21 Feb 2023 | 3:13 | - | 3:18 | Sunny | 49.1 | SVAN 971 (Serial | Rion NC-75 | |
| 2025 | 5:23 | - | 5:28 | | 48.4 | No. C119577) | (No.34724244) | |
| 27 Feb 2023 | 13:14 | - | 13:44 | Fine | 56.9 | SVAN 971 (Serial No. C119577) | Rion NC-75 (No.34724244) | |
| 07 F 1 | 19:19 | - | 19:24 | | 58.0 | | D: NG 75 | |
| 27 Feb 2023 | 20:29 | - | 20:34 | Fine | 52.3 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:34 | - | 21:39 | | 51.1 | No. C119577) | (No.34724244) | |
| 20 E-1 | 1:14 | - | 1:19 | | 56.3 | QUAN 071 (0 | Dian NO 75 | |
| 28 Feb | 3:24 | - | 3:29 | Fine | 50.6 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:14 | - | 5:19 | | 50.1 | No. C119577) | (No.34724244) | |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 2 (M2 / N_S2) |
|--|--|
| Monitoring date: | 06, 16, 20, 27 March 2023 (Daytime) |
| | 06&07, 16&17, 20&21, 27&28 March 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Nil |

| Date | Start time | | End time | Weather | $\frac{L_{eq\;30min}dB(A)}{L_{eq\;5min}dB(A)}$ | Sound Level Meter Used | Calibrator Used | |
|----------------|---------------|---|-------------|---------|--|----------------------------------|-----------------------------|--|
| 06 Mar 2023 | 13:49 | - | 14:19 | Sunny | 57.1 | SVAN 971 (Serial No. C119577) | Rion NC-75 (No.34724244) | |
| 06 Mar | 19:14 | - | 19:19 | | 52.1 | SVAN 071 (Seriel | D' NG 75 | |
| 2023 | 20:29 | - | 20:34 | Fine | 53.7 | SVAN 971 (Serial No. C119577) | Rion NC-75 | |
| 2025 | 21:24 | - | 21:29 | | 51.6 | NO. C119377) | (No.34724244) | |
| 07 Mar | 1:14 | - | 1:19 | | 51.2 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 3:24 | - | 3:29 | Fine | 51.3 | No. C119577) | (No.34724244) | |
| 2025 | 5:24 | - | 5:29 | | 49.4 | 100. C119377) | (10.34724244) | |
| 16 Mar 2023 | 13:40 | - | 14:10 | Sunny | 57.1 | SVAN 971 (Serial No. 103449) | Rion NC-75 (No.34724244) | |
| 16 Mar | 19:15 | - | 19:20 | | 51.0 | SVAN 071 (Seriel | Rion NC-75 (No.34724244) | |
| 16 Mar 2023 | 20:05 | - | 20:10 | Fine | 50.3 | SVAN 971 (Serial No. 103449) | | |
| | 21:15 | - | 21:20 | | 50.8 | 100.103449) | (10.34724244) | |
| 17 Mar | 1:20 | - | 1:25 | | 49.4 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 3:25 | - | 3:30 | Fine | 51.0 | No. 103449) | (No.34724244) | |
| 2023 | 5:25 | - | 5:30 | | 49.7 | NO. 10344 <i>9</i>) | (10.34724244) | |
| 20 Mar 2023 | 13:47 | - | 14:17 | Fine | 56.7 | SVAN 971 (Serial No. 103449) | Rion NC-75 (No.34724244) | |
| 20 Мал | 19:12 | - | 19:17 | | 50.5 | QUANO71 (Carial | Disc NO 75 | |
| 20 Mar 2023 | 20:07 | - | 20:12 | Fine | 49.4 | SVAN 971 (Serial | Rion NC-75 | |
| 2025 | 21:27 | - | 21:32 | | 50.3 | No. 103449) | (No.34724244) | |
| 21 Mar | 1:27 | - | 1:32 | | 48.9 | SVAN 071 (Seriel | Rion NC-75 | |
| 21 Mar 2023 | 3:27 | - | 3:32 | Cloudy | 48.7 | SVAN 971 (Serial No. 103449) | (No.34724244) | |
| 2025 | 5:27 | - | 5:32 | | 48.6 | NO. 103449) | (10.34724244) | |
| 27 Mar 2023 | 13:42 | - | 14:12 | Fine | 57.5 | SVAN 971 (Serial No. 103449) | Rion NC-75 (No.34724244) | |
| 27 Мал | 19:22 | - | 19:27 | | 50.7 | QUANO71 (Carial | Dian NO 75 | |
| 27 Mar 2023 | 20:22 | - | 20:27 | Fine | 50.0 | SVAN 971 (Serial No. 103449) | Rion NC-75 | |
| 2025 | 21:07 | - | 21:12 | | 49.6 | 110. 103449) | (No.34724244) | |
| 28 Mar | 1:12 | - | 1:17 | | 49.6 | SVAN 071 (Seriel | Dian NC 75 | |
| 28 Mar 2023 | 3:27 | - | 3:32 | Fine | 49.7 | SVAN 971 (Serial No. 103449) | Rion NC-75 | |
| 2025 | 5:22 | - | 5:27 | | 49.7 | 110. 103449) | (No.34724244) | |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3) |
|--|---|
| Monitoring date: | 04, 09, 16, 26, 30 January 2023 (Daytime) |
| | 04&05, 09&10, 16&17, 26&27, 30&31 January 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Air-conditioner |

| Date | Start time | | End time | Weather | $\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used | |
|----------------|---------------|---|-------------|---------|--|---|-----------------------------|--|
| 04 Jan 2023 | 13:40 | - | 14:10 | Cloudy | 56.0 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724243) | |
| 04 1 | 19:10 | - | 19:15 | | 48.7 | GYAN 071 (G 1 | D: NO 75 | |
| 04 Jan 2023 | 20:20 | - | 20:25 | Fine | 43.3 | SVAN 971 (Serial | Rion NC-75 | |
| 2025 | 21:05 | - | 21:10 | | 41.2 | No. 96063) | (No.34724243) | |
| 05 Jan | 1:15 | - | 1:20 | | 46.8 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 3:10 | - | 3:15 | Fine | 41.0 | No. 96063) | (No.34724243) | |
| 2025 | 5:15 | - | 5:20 | | 42.8 | NO. 90003) | (10.34724243) | |
| 09 Jan 2023 | 13:27 | - | 13:57 | Cloudy | 61.4 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724243) | |
| 00 I | 19:27 | - | 19:32 | | 42.3 | | D: NO 75 | |
| 09 Jan 2023 | 20:12 | - | 20:17 | Fine | 50.5 | SVAN 971 (Serial | Rion NC-75 (No.34724243) | |
| 2025 | 21:17 | - | 21:22 | | 42.3 | No. 96063) | | |
| 10 L. | 1:22 | - | 1:27 | | 43.0 | $\mathbf{GVAN} = 071 (\mathbf{G} \cdot \mathbf{n}^2 \cdot 1)$ | D' NO 75 | |
| 10 Jan 2023 | 3:17 | - | 3:22 | Fine | 49.4 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:12 | - | 5:17 | | 43.8 | No. 96063) | (No.34724243) | |
| 16 Jan 2023 | 13:31 | - | 14:01 | Cloudy | 65.6 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724243) | |
| 16 Jan | 19:11 | - | 19:16 | | 42.1 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 20:06 | - | 20:11 | Fine | 40.9 | No. 96063) | | |
| 2025 | 21:16 | - | 21:21 | | 40.4 | NO. 90003) | (No.34724243) | |
| 17 Jan | 1:01 | - | 1:06 | | 40.7 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 3:31 | - | 3:36 | Fine | 39.0 | No. 96063) | (No.34724243) | |
| 2025 | 5:06 | - | 5:11 | | 38.0 | NO. 90003) | (10.34724243) | |
| 26 Jan 2023 | 13:23 | - | 13:53 | Fine | 48.7 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724243) | |
| 26.1 | 19:08 | - | 19:13 | | 42.1 | | D: NO 75 | |
| 26 Jan 2023 | 20:13 | - | 20:18 | Fine | 44.6 | SVAN 971 (Serial | Rion NC-75 | |
| 2025 | 21:23 | - | 21:28 | | 41.1 | No. 96063) | (No.34724243) | |
| 27 I.a.: | 1:33 | - | 1:38 | | 36.7 | QUANO71 (Comint | Dian NC 75 | |
| 27 Jan 2023 | 3:23 | - | 3:28 | Fine | 36.4 | SVAN 971 (Serial No. 96063) | Rion NC-75 | |
| 2023 | 5:18 | - | 5:23 | | 45.6 | INU. 90003) | (No.34724243) | |
| 30 Jan 2023 | 13:38 | - | 14:08 | Sunny | 56.5 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724243) | |

| Date | Start time | | End time | Weather | $\frac{L_{eq \ 30min} dB(A) / }{L_{eq \ 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used | |
|----------------|---------------|---|-------------|---------|--|---------------------------|--------------------|--|
| 30 Jan 2023 | 19:23 | - | 19:28 | | 43.8 | SVAN 971 (Serial | Rion NC-75 | |
| | 20:23 | 1 | 20:28 | Fine | 44.0 | No. 96063) | (No.34724243) | |
| 2023 | 21:23 | 1 | 21:28 | | 42.9 | 110. 90003) | (10.34724243) | |
| 31 Jan | 1:18 | 1 | 1:23 | | 42.3 | SVAN 971 (Serial | Diam NC 75 | |
| 2023 | 3:13 | 1 | 3:18 | Fine | 43.5 | No. 96063) | Rion NC-75 | |
| 2025 | 5:23 | - | 5:28 | | 43.1 | 110. 90003) | (No.34724243) | |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3) |
|--|--|
| Monitoring date: | 06, 13, 20, 27 February 2023 (Daytime) |
| | 06&07, 13&14, 20&21, 27&28 February 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Air-conditioner |

| Date | Start time | | End time | Weather | $\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used | |
|----------------|---------------|---|-------------|---------|--|-----------------------------------|-----------------------------|--|
| 06 Feb 2023 | 13:24 | - | 13:54 | Sunny | 58.9 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| | 19:09 | - | 19:14 | | 43.3 | QUANO71 (Carial | Dian NO 75 | |
| 06 Feb | 20:14 | - | 20:19 | Fine | 43.2 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:24 | - | 21:29 | | 47.2 | No. 96063) | (No.34724244) | |
| 07 E-1 | 1:19 | - | 1:24 | | 44.3 | $\mathbf{GVAN} = 0.71 (0 + 0.71)$ | D' NO 75 | |
| 07 Feb | 3:14 | - | 3:19 | Fine | 43.0 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:14 | - | 5:19 | | 39.2 | No. 96063) | (No.34724244) | |
| 13 Feb 2023 | 13:19 | - | 13:49 | Sunny | 55.5 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 12 1 1 | 19:14 | - | 19:19 | | 48.4 | | D' NO 75 | |
| 13 Feb 2023 | 20:24 | - | 20:29 | Fine | 50.0 | SVAN 971 (Serial | Rion NC-75 | |
| | 21:19 | - | 21:24 | | 48.9 | No. 96063) | (No.34724244) | |
| 14 E-1 | 1:14 | - | 1:19 | | 39.2 | QUANO71 (Carial | Dian NO 75 | |
| 14 Feb 2023 | 3:09 | - | 3:14 | Fine | 39.4 | SVAN 971 (Serial | Rion NC-75 | |
| 2025 | 5:14 | - | 5:19 | | 43.4 | No. 96063) | (No.34724244) | |
| 20 Feb 2023 | 13:12 | - | 13:42 | Sunny | 57.2 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 20 E 1 | 19:12 | - | 19:17 | | 49.3 | | D: NG 75 | |
| 20 Feb | 20:12 | - | 20:17 | Fine | 43.7 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:32 | - | 21:37 | | 44.3 | No. 96063) | (No.34724244) | |
| | 1:17 | - | 1:22 | | 52.0 | | D: NO 75 | |
| 21 Feb 2023 | 3:22 | - | 3:27 | Sunny | 49.9 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:22 | - | 5:27 | | 47.0 | No. 96063) | (No.34724244) | |
| 27 Feb 2023 | 13:37 | - | 14:07 | Fine | 57.1 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 07 F 1 | 19:22 | - | 19:27 | | 49.5 | | | |
| 27 Feb | 20:12 | - | 20:17 | Fine | 48.2 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:07 | - | 21:12 | 1 | 45.5 | No. 96063) | (No.34724244) | |
| | 1:07 | - | 1:12 | | 48.5 | | Dian NO 75 | |
| 28 Feb | 3:12 | - | 3:17 | Fine | 47.0 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:07 | - | 5:12 |] | 44.7 | No. 96063) | (No.34724244) | |

| Location: | Shek Kwu Chau Treatment & Rehabilitation Centre Hostel 3 (M3 / N_S3) |
|--|--|
| Monitoring date: | 06, 16, 20, 27 March 2023 (Daytime) |
| | 06&07, 16&17, 20&21, 27&28 March 2023 (Evening & Night time) |
| Parameter : | Leq 30min (Daytime), Leq 5min (Evening & Night time) |
| Noise source other than construction activities from the Project: | Air-conditioner |

| Date | Start time | | End time | Weather | $\frac{L_{eq 30min} dB(A)}{L_{eq 5min} dB(A)}$ | Sound Level Meter Used | Calibrator Used | |
|----------------|---------------|---|-------------|---------|--|-----------------------------------|-----------------------------|--|
| 06 Mar 2023 | 13:43 | - | 14:13 | Sunny | 57.9 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 06 Mar | 19:13 | - | 19:18 | | 46.3 | SVAN 071 (Seriel | D: NG 75 | |
| 2023 | 20:28 | - | 20:33 | Fine | 47.5 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 2025 | 21:33 | - | 21:38 | | 46.9 | NO. 90003) | (1NO.34/24244) | |
| 07 Mar | 1:13 | - | 1:18 | | 47.7 | SVAN 071 (Seriel | Rion NC-75 | |
| 2023 | 3:03 | - | 3:08 | Fine | 47.3 | SVAN 971 (Serial | | |
| 2025 | 5:08 | - | 5:13 | | 43.6 | No. 96063) | (No.34724244) | |
| 16 Mar 2023 | 13:33 | - | 14:03 | Sunny | 54.6 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 16 1 | 19:13 | - | 19:18 | | 45.1 | QUAN 071 (Q 1 | Rion NC-75 (No.34724244) | |
| 16 Mar 2023 | 20:08 | - | 20:13 | Fine | 42.0 | SVAN 971 (Serial | | |
| 2025 | 21:23 | - | 21:28 | | 41.3 | No. 96063) | (1NO.34/24244) | |
| 17.14 | 1:18 | - | 1:23 | | 45.0 | QUAN 071 (Q 1 | D: NO 75 | |
| 17 Mar 2023 | 3:18 | - | 3:23 | Fine | 48.1 | SVAN 971 (Serial | Rion NC-75 | |
| 2025 | 5:18 | - | 5:23 | | 44.3 | No. 96063) | (No.34724244) | |
| 20 Mar 2023 | 13:02 | - | 13:32 | Fine | 54.8 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 20.14 | 19:07 | - | 19:12 | | 46.4 | | Disc NO 75 | |
| 20 Mar | 20:07 | - | 20:12 | Fine | 44.7 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:27 | - | 21:32 | | 49.0 | No. 96063) | (No.34724244) | |
| 21 Mar | 1:22 | - | 1:27 | | 43.3 | $\mathbf{GVAN} = 0.71 (0 + 0.71)$ | D' NO 75 | |
| 21 Mar 2023 | 3:12 | - | 3:17 | Cloudy | 39.5 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 2025 | 5:07 | - | 5:12 | _ | 43.3 | INO. 90005) | (100.54724244) | |
| 27 Mar 2023 | 13:38 | - | 14:08 | Fine | 59.2 | SVAN 971 (Serial No. 96063) | Rion NC-75 (No.34724244) | |
| 07.14 | 19:23 | - | 19:28 | | 44.0 | | D: NG 75 | |
| 27 Mar 2023 | 20:23 | - | 20:28 | Fine | 43.6 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 21:23 | - | 21:28 | | 40.6 | No. 96063) | (No.34724244) | |
| 29 Mar | 1:18 | - | 1:23 | | 43.4 | CVANO71 (Carial | Dian NC 75 | |
| 28 Mar 2023 | 3:23 | - | 3:28 | Fine | 45.9 | SVAN 971 (Serial | Rion NC-75 | |
| 2023 | 5:23 | - | 5:28 | | 46.3 | No. 96063) | (No.34724244) | |

Appendix E Waste Flow Table



Project : Integrated Waste Management Facilities, Phase 1

吉寶西格斯 - 振華聯營公司 Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for _____

(vear)

Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Imported Imported Imported Hard Rock Paper/ Fill Fill Fill and Large Reused in Disposed as Metals Reused in cardboard Total Plastics Month Broken Public Rock Sand Public Fill packaging the other (see Note (see Note 2, Quantity Concrete fill (see Note (see Note (see Note Generated Contract Projects 5) 5) (see Note 4) (see Note (see Note 4) 4) 5) 1) 4) $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ (in ,000 kg) (in ,000kg) (in ,000kg) Jan Feb Mar Apr May Jun Sub-total

Contract No.: EP/SP/66/12

(in ,000kg)

0.2000

0.2000

Chemical Waste

(in ,000L)

0.8700

0.8700

Others, e.g. general

refuse

(see Note 3)

 $(in,000 \text{ m}^3)$

0.0065

0.0130

0.0195

Notes:

Jul

Aug Sep

Oct

Nov

Dec

Total

Broken concrete for recycling into aggregates. (1)

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

Use the conversion factor : 1 full load of dumping truck being equivalent to $6.5m^3$ by volume. (3)

Use the conversion factor: sand density = $1.6T/m^3$, public fill density = $1.8T/m^3$ and rock density = $2T/m^3$ (4)

2.9619

3.0771

6.7871

59.0709

71.8970

Materials recycled. (5)



Monthly Summary Waste Flow Table for



2019

(year)

| Project : Ii | ntegrated W | aste Manag | gement Faci | lities, Phas | e 1 | | | Contract No.: EP/SP/66/12 | | | | | | | |
|--------------|--------------------------------|---|------------------------------|--------------------------------|--|---|---|---|---------------------------|---|--------------------------------|-------------|------------|--|--|
| | | Actual | Quantities of | Inert C&D | Materials Ger | nerated Mor | nthly | | | Actual Quantities of C&D Wastes Generated Monthly | | | | | |
| Month | Total Quantity Generated | Hard Rock and Large Broken Concrete (see Note 1) | Reused in the Contract | Reused in other Projects | Disposed as Public Fill (see Note 4) | Imported Fill Sand (see Note 4) | Imported Fill Public fill (see Note 4) | Imported Fill Rock (see Note 4) | Metals (see Note 5) | Paper/ cardboard packaging (see Note 5) | Plastics (see Note 2, 5) | Chemica | l Waste | Others, e.g. general refuse (see Note 3) | |
| | (in ,000m ³) | (in ,000m ³) | (in ,000m ³) | (in ,000m ³ | (in ,000m ³) | (| $(in,000m^3)$ | 1 | (in ,000 kg) | (in ,000kg) | (in ,000kg) | (in ,000kg) | (in ,000L) | (in ,000 m ³) | |
| Jan | 0 | 0 | 0 | 0 | 0 | 82.6139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0065 | |
| Feb | 0 | 0 | 0 | 0 | 0 | 46.7821 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mar | 0 | 0 | 0 | 0 | 0 | 97.1000 | 0 | 0.7552 | 0 | 0.2560 | 0 | 0 | 0 | 0 | |
| Apr | 0 | 0 | 0 | 0 | 0 | 58.0413 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| May | 0 | 0 | 0 | 0 | 0 | 14.5625 | 0 | 1.4648 | 0 | 0 | 0 | 0 | 0 | 0.0065 | |
| Jun | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.8421 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 299.0998 | 0 | 9.0621 | 0 | 0.2560 | 0 | 0 | 0 | 0.0130 | |
| Jul | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4289 | 0 | 0 | 0 | 0 | 8.4000 | 0.0130 | |
| Aug | 0 | 0 | 0 | 0 | 0 | 2.5775 | 0 | 10.5600 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sep | 0 | 0 | 0 | 0 | 0 | 6.1081 | 0 | 8.4704 | 0 | 0.3530 | 0 | 0 | 0 | 0.0065 | |
| Oct | 0 | 0 | 0 | 0 | 0 | 9.8875 | 0 | 7.1900 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nov | 0 | 0 | 0 | 0 | 0 | 38.3088 | 0 | 19.3105 | 0 | 0 | 0 | 0 | 0 | 0.0195 | |
| Dec | 0 | 0 | 0 | 0 | 0 | 54.3469 | 0 | 26.9807 | 0 | 0 | 0 | 0 | 0 | 0.0910 | |
| Total | 0 | 0 | 0 | 0 | 0 | 410.3286 | 0 | 82.0026 | 0 | 0.6090 | 0 | 0 | 8.4000 | 0.1430 | |

Broken concrete for recycling into aggregates. (1)

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

Use the conversion factor : 1 full load of dumping truck being equivalent to $6.5m^3$ by volume. (3)

Use the conversion factor: sand density = $1.6T/m^3$, public fill density = $1.8T/m^3$ and rock density = $2T/m^3$ (4)

Materials recycled. (5)



Project : Integrated Waste Management Facilities, Phase 1

吉寶西格斯 - 振華聯營公司 Keppel Seghers - Zhen Hua Joint Venture

Monthly Summary Waste Flow Table for _____



2020

(year)

Contract No.: EP/SP/66/12

| Floject . II | negrated w | aste Manag | gement raci | nues, Phas | eı | | | | Contract No.: EP/SP/00/12 | | | | | |
|--------------|--------------------------------|---|------------------------------|--------------------------------|--|---|---|---|---------------------------|---|--------------------------------|-------------|-------------|--|
| | | Actual | Quantities of | Inert C&D | Materials Gei | nerated Mon | thly | | | Actual | Quantities of | C&D Wastes | Generated M | onthly |
| Month | Total Quantity Generated | Hard Rock and Large Broken Concrete (see Note 1) | Reused in the Contract | Reused in other Projects | Disposed as Public Fill (see Note 4) | Imported Fill Sand (see Note 4) | Imported Fill Public fill (see Note 4) | Imported Fill Rock (see Note 4) | Metals (see Note 5) | Paper/ cardboard packaging (see Note 5) | Plastics (see Note 2, 5) | Chemica | l Waste | Others, e.g. general refuse (see Note 3) |
| | (in ,000m ³) | (in ,000m ³) | (in ,000m ³) | (in ,000m ³ | (in ,000m ³) | (| in ,000m ³) | | (in ,000 kg) | (in ,000kg) | (in ,000kg) | (in ,000kg) | (in ,000L) | (in ,000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 37.1550 | 0 | 25.0812 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Feb | 0 | 0 | 0 | 0 | 0 | 27.7910 | 0 | 18.8300 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Mar | 0 | 0 | 0 | 0 | 0 | 22.5669 | 0 | 26.1586 | 0 | 0 | 0 | 0 | 7.2000 | 0.0065 |
| Apr | 0 | 0 | 0 | 0 | 0 | 12.7800 | 0 | 10.1825 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| May | 0 | 0 | 0 | 0 | 0 | 16.1138 | 0 | 24.3740 | 0 | 0.4220 | 0 | 0 | 0 | 0.0195 |
| Jun | 0 | 0 | 0 | 0 | 0 | 31.5177 | 0 | 28.3030 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 147.9244 | 0 | 132.9293 | 0 | 0.4220 | 0 | 0 | 7.2000 | 0.0650 |
| Jul | 0 | 0 | 0 | 0 | 0 | 34.7856 | 17.0606 | 35.1800 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| Aug | 0 | 0 | 0 | 0 | 0 | 27.1375 | 65.5667 | 27.9335 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sep | 0 | 0 | 0 | 0 | 0 | 11.9813 | 110.1328 | 43.5435 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| Oct | 0 | 0 | 0 | 0 | 0 | 2.8213 | 131.6600 | 22.5415 | 0 | 0 | 0 | 0 | 0 | 0.0130 |
| Nov | 0 | 0 | 0 | 0 | 0 | 0 | 162.1811 | 44.6475 | 0 | 0.4090 | 0 | 0 | 0.4000 | 0.0130 |
| Dec | 0 | 0 | 0 | 0 | 0 | 0 | 174.9800 | 57.8380 | 0 | 0 | 0 | 0 | 0 | 0.0130 |
| Total | 0 | 0 | 0 | 0 | 0 | 224.6501 | 661.5812 | 364.6133 | 0 | 0.8310 | 0 | 0 | 7.6000 | 0.1430 |

(1) Broken concrete for recycling into aggregates.

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

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to $6.5m^3$ by volume.

(4) Use the conversion factor: sand density = $1.6T/m^3$, public fill density = $1.8T/m^3$ and rock density = $2T/m^3$

(5) Materials recycled.



Monthly Summary Waste Flow Table for _____

<u>2021 (year)</u>

Project : Integrated Waste Management Facilities, Phase 1 Contract No.: EP/SP/66/12 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Hard Rock Imported Imported Imported Paper/ and Large Fill Fill Fill Reused in Disposed as Metals Others, e.g. general Total Reused in cardboard Plastics Month Broken Public fill Sand Rock refuse Public Fill packaging Chemical Waste Quantity the other (see Note (see Note 2, Concrete (see Note (see Note (see Note (see Note 5) 5) Generated Contract Projects (see Note 4) (see Note 3) (see Note 4) 4) 4) 5) 1) $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ $(in,000m^3)$ (in ,000 kg) (in ,000kg) (in ,000kg) (in ,000kg) $(in,000 \text{ m}^3)$ (in .000L) 0 0 0 0 0 0 198.1311 0 0 0 0 0 36.4775 0.0065 Jan 0 0 0 0 0 0 0 0 0 0 0 Feb 143.9511 20.9960 0.6305 0 0 0 0 0 0 103.1833 23.4510 0 0 0 0 0 0.0130 Mar 0 0 0 0 0 0 161.2956 0 Apr 27.2810 0 0 0 0 0.0130 0 0 0 0 0 0 0 0 0 193.3300 0 0 0.0715 May 20.5265 0 0 0 0 0 23.7825 0 0 0 0 141.5728 0 0.2440 0.0455 Jun 0 0 0 0 0 0 941.4639 152.5145 0 0.2440 0 0 0 0.7800 Sub-total 0 0 0 0 0 0 105.1083 30.6065 0 0 0 0 0 0.0195 Jul 0 0 0 0 0 0 0 11.1822 7.5180 0 0 0 0 0.0130 Aug 0 0 0 Sep 0 0 0 0 5.7575 0 0 0 0 0.6000 0.0390 0 0 0 0 0 0 0 0 0 0 0 0 0 6.8885 Oct 0 0 0 0 0 0 0 0 6.2975 0 0.1610 0 0 0.0130 Nov Dec 0 0 0 0 0 0 0 5.9235 0 0 0 0 0 0 0 0 0 Total 0 0 0 1057.7544 215.5060 0 0.4050 0 0 0.6000 0.8645

(1) Broken concrete for recycling into aggregates.

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

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to $6.5m^3$ by volume.

(4) Use the conversion factor: sand density = $1.6T/m^3$, public fill density = $1.8T/m^3$ and rock density = $2T/m^3$.

(5) Materials recycled.



Monthly Summary Waste Flow Table for



2022

(year)

| Project : In | roject : Integrated Waste Management Facilities, Phase 1 | | | | | | | | | | Con | tract No.: EP | /SP/66/12 | |
|--------------|--|---|------------------------------|---|--|---|--|---|---------------------------|---|--------------------------------|---------------|------------|--|
| | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | | | | |
| Month | Total Quantity Generated | Hard Rock and Large Broken Concrete (see Note 1) | Reused in the Contract | Reused in other Projects (see Note 4) | Disposed as Public Fill (see Note 4) | Imported Fill Sand (see Note 4) | Imported Fill Public fill (see Note 4) | Imported Fill Rock (see Note 4) | Metals (see Note 5) | Paper/ cardboard packaging (see Note 5) | Plastics (see Note 2, 5) | Chemica | l Waste | Others, e.g. general refuse (see Note 3) |
| | (in ,000m ³) | (in ,000m ³) | (in ,000m ³) | (in ,000m ³ | (in ,000m ³) | | $(in,000m^3)$ | 1 | (in ,000 kg) | (in ,000kg) | (in ,000kg) | (in ,000kg) | (in ,000L) | (in ,000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 0 | 4.9389 | 2.7070 | 0 | 0.1550 | 0 | 0 | 0 | 0.0715 |
| Feb | 0 | 0 | 0 | 0 | 0 | 0 | 3.2478 | 4.0290 | 0 | 0 | 0 | 0.4000 | 0.2250 | 0 |
| Mar | 0 | 0 | 0 | 0 | 0 | 0 | 2.3422 | 2.7820 | 0 | 0 | 0 | 0 | 0 | 0.0780 |
| Apr | 0 | 0 | 0 | 0 | 0 | 0 | 18.2189 | 5.8100 | 0 | 0.3120 | 0 | 0 | 0 | 0.1495 |
| May | 0.0648 | 0 | 0 | 0 | 0.0648 | 0 | 16.7711 | 17.2320 | 0 | 0 | 0 | 0 | 0 | 0.0975 |
| Jun | 0.0037 | 0 | 0 | 0 | 0.0037 | 0.2115 | 1.1128 | 14.1470 | 36.3000 | 0.3890 | 0 | 0 | 1.7250 | 0.0975 |
| Sub-total | 0.0685 | 0 | 0 | 0 | 0.0685 | 0.2115 | 46.6317 | 46.7070 | 36.3000 | 0.8560 | 0 | 0.4000 | 1.9500 | 0.4940 |
| Jul | 25.7183 | 0 | 0 | 25.7183 | 0 | 0.1125 | 0.8333 | 17.5210 | 0 | 0.6400 | 0.0060 | 0 | 0 | 0.1235 |
| Aug | 13.2494 | 0 | 0 | 13.2494 | 0 | 0 | 0 | 24.5210 | 76.0300 | 1.8870 | 0 | 0 | 0 | 0.1170 |
| Sep | 24.9072 | 0 | 0 | 24.8494 | 0.0578 | 0 | 0 | 16.2815 | 72.0600 | 0.3060 | 0 | 0 | 0 | 0.1885 |
| Oct | 13.3139 | 0 | 0 | 13.3006 | 0.0133 | 0 | 0 | 11.8665 | 78.1000 | 0.5800 | 0 | 0 | 0 | 0.2405 |
| Nov | 26.5583 | 0 | 0 | 26.5583 | 0 | 0 | 0 | 7.2055 | 0 | 0 | 0 | 0 | 0 | 0.1105 |
| Dec | 29.1411 | 0 | 0 | 29.1411 | 0 | 0 | 0 | 3.5174 | 0 | 0 | 0 | 0 | 0 | 0.2535 |
| Total | 132.9567 | 0 | 0 | 132.8171 | 0.1396 | 0.3240 | 47.4650 | 127.6199 | 262.4900 | 4.2690 | 0.0060 | 0.4000 | 1.9500 | 1.5275 |

Broken concrete for recycling into aggregates. (1)

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

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to 6.5m³ by volume.

Use the conversion factor: sand density = $1.6T/m^3$, public fill density = $1.8T/m^3$ and rock density = $2T/m^3$. (4)

Materials recycled. (5)



Monthly Summary Waste Flow Table for



2023

(year)

| Project : Ir | ect : Integrated Waste Management Facilities, Phase 1 | | | | | | | | | Con | tract No.: EP | /SP/66/12 | | |
|--------------|--|---|------------------------------|------------------------|--|---|--|---|---------------------------|---|--------------------------------|-------------|------------|--|
| | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | | | | | |
| Month | Total Quantity Generated | Hard Rock and Large Broken Concrete (see Note 1) | Reused in the Contract | Projects | Disposed as Public Fill (see Note 4) | Imported Fill Sand (see Note 4) | Imported Fill Public fill (see Note 4) | Imported Fill Rock (see Note 4) | Metals (see Note 5) | Paper/ cardboard packaging (see Note 5) | Plastics (see Note 2, 5) | Chemica | l Waste | Others, e.g. general refuse (see Note 3) |
| | $(in,000m^3)$ | (in ,000m ³) | $(in,000m^3)$ | (in ,000m ³ | (in ,000m ³) | | $(in,000m^3)$ | 1 | (in ,000 kg) | (in ,000kg) | (in ,000kg) | (in ,000kg) | (in ,000L) | (in ,000 m ³) |
| Jan | 24.6728 | 0 | 0 | 24.6728 | 0 | 0 | 0 | 1.3545 | 0 | 0.3150 | 0 | 0 | 0 | 0.1365 |
| Feb | 26.7206 | 0 | 0 | 26.7206 | 0 | 0 | 0 | 1.8990 | 11.1501 | 0 | 0.0007 | 0 | 0 | 0.1235 |
| Mar | 22.1089 | 0 | 0 | 22.1089 | 0 | 0 | 0 | 0.9025 | 0 | 0 | 0 | 0 | 0 | 0.1105 |
| Apr | | | | | | | | | | | | | | |
| May | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | |
| Sub-total | 73.5023 | 0 | 0 | 73.5023 | 0 | 0 | 0 | 4.1560 | 11.1501 | 0.3150 | 0.0007 | 0 | 0 | 0.3705 |
| Jul | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | |
| Total | 73.5023 | 0 | 0 | 73.5023 | 0 | 0 | 0 | 4.1560 | 11.1501 | 0.3150 | 0.0007 | 0 | 0 | 0.3705 |

Broken concrete for recycling into aggregates. (1)

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

(3) Use the conversion factor : 1 full load of dumping truck being equivalent to 6.5m³ by volume.

Use the conversion factor: sand density = $1.6T/m^3$, public fill density = $1.8T/m^3$ and rock density = $2T/m^3$. (4)

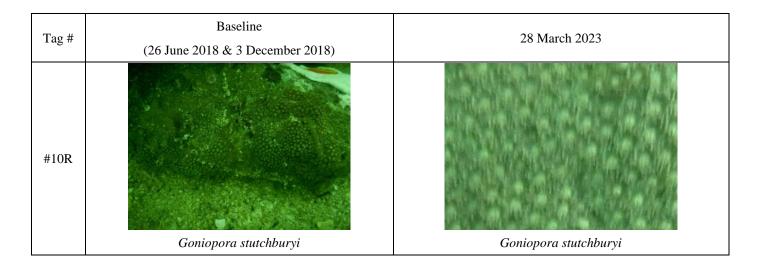
Materials recycled. (5)

Appendix F Photo Records for Coral Monitoring

Baseline Tag # 28 March 2023 (26 June 2018 & 3 December 2018) #1 Goniopora stutchburyi Goniopora stutchburyi #2R Goniopora stutchburyi Goniopora stutchburyi #3 Psammocora superficialis Psammocora superficialis #4 Turbinaria peltata Turbinaria peltata

Photo Plate for Tagged and Re-tagged Corals at Control Site during the 17th Quarterly Coral Monitoring during Construction Phase on 28 March 2023

| Tag # | Baseline (26 June 2018 & 3 December 2018) | 28 March 2023 |
|-------|--|------------------------|
| #5R | Goniopora stutchburyi | Goniopora stutchburyi |
| #6 | Cyphastrea serailia | Cyphastrea serailia |
| #7R | <i>Coscinaraea</i> sp. | <i>Coscinaraea</i> sp. |
| #8 | Goniopora stutchburyi | Goniopora stutchburyi |
| #9 | Goniopora stutchburyi | Goniopora stutchburyi |



Notes:

i. The re-tagged corals were marked as ##**R**.

| Tag # | Baseline (23 November 2018) | 28 March 2023 |
|-------|--------------------------------|---------------------|
| #11R | Cyphastrea serailia | Cyphastrea serailia |
| #12R | Favites chinensis | Favites chinensis |
| #13R | Turbinaria peltata | Turbinaria peltata |
| #14R | Favites chinensis | Favites chinensis |

Photo Plate for Re-tagged Corals at Indirect Impact during the 17th Quarterly Coral Monitoring during Construction Phase on 28 March 2023

| Tag # | Baseline (23 November 2018) | 28 March 2023 |
|-------|--------------------------------|--------------------------|
| #15R | Goniopora stutchburyi | Goniopora stutchburyi |
| #16R | Psammocora superficialis | Psammocora superficialis |
| #17R | Favites chinensis | Favites chinensis |
| #18R | Psammocora superficialis | Psammocora superficialis |
| #19R | Psammocora superficialis | Psammocora superficialis |

| Tag # | Baseline (23 November 2018) | 28 March 2023 |
|-------|--------------------------------|--------------------------|
| #20R | Psammocora superficialis | Psammocora superficialis |

Notes:

i. The re-tagged corals were marked as ##**R**.

Appendix G Photo Records for Marine Mammal Monitoring

Photo records of Vessel-based Line-Transect Survey Effort during the reporting period Line-transect survey during January 2023:



Line-transect survey during February 2023:





Line-transect survey during March 2023:



Appendix H Photo Records for White-bellied Sea Eagle Monitoring

Photo Plate for 55th Monthly WBSE monitoring





One Adult Male WBSE Recorded near the new nest area on 26 January 2023

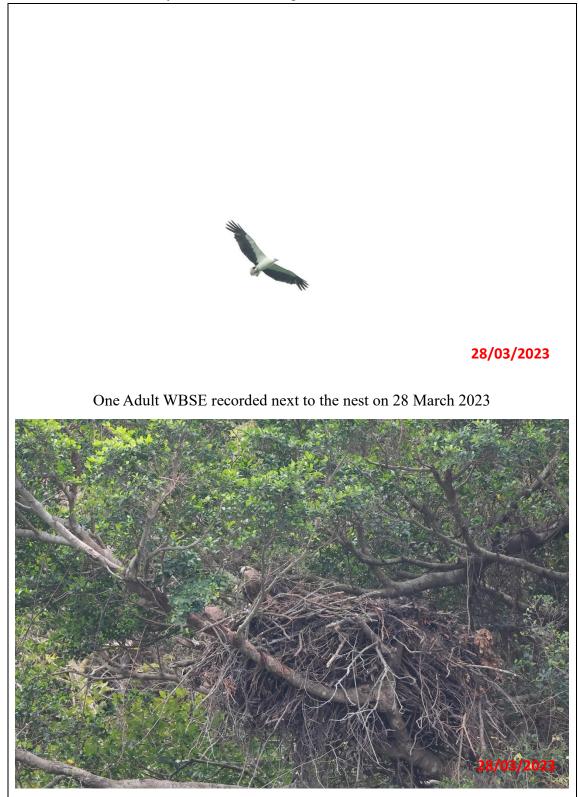
Photo Plate for 56th Monthly WBSE monitoring



One Adult Female WBSE Staying in nest for incubation on 16 February 2023



One Adult Male WBSE Recorded near the new nest area on 16 February 2023



One WBSE Chick recorded inside the nest on 28 March 2023

Appendix I Complaint Log

Integrated Waste Management Facilities, Phase 1

| Statistical Summary of Environmental Complaints | | | | | | | | |
|---|---|------------|------------------|--|--|--|--|--|
| Reporting | Environmental Complaint Statistics | | | | | | | |
| Period | Frequency | Cumulative | Complaint Nature | | | | | |
| 1 Jan 2023- 31 Jan 2023 | 0 | 1 | N/A | | | | | |
| 1 Feb 2023- 28 Feb 2023 | 0 | 1 | N/A | | | | | |
| 1 Mar 2023- 31 Mar 2023 | 0 | 1 | N/A | | | | | |

| | Statistical Summary of Environmental Summons | | | | | | | | |
|----------------------------|--|---|---------|--|--|--|--|--|--|
| Reporting | En | Environmental Summons Statistics | | | | | | | |
| Period | Frequency | Cumulative | Details | | | | | | |
| 1 Jan 2023- 31 Jan 2023 | 0 | 0 | N/A | | | | | | |
| 1 Feb 2023- 28 Feb 2023 | 0 | 0 | N/A | | | | | | |
| 1 Mar 2023- 31 Mar 2023 | 0 | 0 | N/A | | | | | | |

| Reporting | Environmental Prosecution Statistics | | | | | | |
|----------------------------|--------------------------------------|------------|---------|--|--|--|--|
| Period | Frequency | Cumulative | Details | | | | |
| 1 Jan 2023- 31 Jan 2023 | 0 | 0 | N/A | | | | |
| 1 Feb 2023- 28 Feb 2023 | 0 | 0 | N/A | | | | |
| 1 Mar 2023- 31 Mar 2023 | 0 | 0 | N/A | | | | |