香港電燈有限公司 The Hongkong Electric Co., Ltd.



# **Re-provision of Open Cycle Gas Turbines at** Lamma Power Station

# Decommissioning/ Demolition & Construction Phases

# Monthly Environmental Monitoring & Audit Report

May 2023

香港電燈有限公司 The Hongkong Electric Co., Ltd.



# ENVIRONMENTAL IMPACT ASSESSMENT (EIA) ORDINANCE, CAP. 499

# **ENVIRONMENTAL PERMIT NO. EP-600/2022**

# **RE-PROVISION OF OPEN CYCLE GAS TURBINES AT LAMMA POWER STATION**

Title	Monthly EM&A Report (May 2023)
Date	13 June 2023
Certified by	Noundles
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Verified by	Mr. Y. W. Fung (AECOM Asia Company Limited,
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#### **EXECUTIVE SUMMARY**

In April 2022, an Environmental Permit (EP-600/2022) was granted to the Hongkong Electric Co., Ltd. (HK Electric) for the decommissioning/ demolition, construction and operation of the Project entitled "Re-provision of Open Cycle Gas Turbines at Lamma Power Station". This report, prepared by the Environmental Team, presents the Environmental Monitoring and Audit (EM&A) findings for the Project in May 2023 and is the 11<sup>th</sup> Monthly EM&A Report for the decommissioning/ demolition and construction phases of the Project.

#### Key Construction Activities Undertaken

The construction activities undertaken in the reporting month are as follows:

- Trenching works;
- Demolition of pipe rack
- Lube Oil Tank area (BH1) sampling works
- Scraped material removal works;
- Lifting and cut;
- Operation of crawler crane;
- Operation of cherry picker;
- Take down the equipment and steel frame; and
- Oil discharge.

#### **Environmental Monitoring**

According to the EM&A Manual, no environmental monitoring was necessary in view of the anticipated insignificant environmental impact.

#### Site Environmental Audit and Implementation of Mitigation Measure

EPD officials from Regional Office (South) visited Lamma Power Station on 4/5/2023. There was no adverse comment from EPD regarding the construction site.

Independent Environmental Checker (IEC) conducted a site inspection on 23/5/2023. The site conditions were generally satisfactory.

Weekly site audits were carried out to monitor environmental issues on the construction site. The site conditions were generally satisfactory. All recommended environmental mitigation measures were properly implemented. No environmental non-compliance was recorded in the reporting month.

License/Permit	Ref. No.	Valid I	Period	Authority/Holder	Date Issued
		From	То		
Environmental Permit	EP-600/2022	01/04/2022	-	EPD / HK Electric	01/04/2022
Waste Disposal Billing Account	Account No.: 7044319	27/06/2022	-	EPD / Civil Contractor	27/06/2022
Registration of Chemical Waste Producer	5213-912- P2781-22	22/02/2016	-	EPD / Civil Contractor	22/02/2016

#### **Environmental Licensing and Permitting**

License/Permit	Ref. No.	Valid Period		Authority/Holder	Date Issued
		From	То		
EPD Notification (Dust) Construction, Air Pollution Control (Construction Dust) Regulation	481782	07/07/2022	-	EPD / Civil Contractor	07/07/2022
Construction Noise Permit	GW-RS1132- 22	30/12/2022	26/06/2023	EPD / Civil Contractor	28/12/2022
Waste Disposal Billing Account	Account No.: 7045179	28/09/2022	-	EPD / E&M Contractor	28/09/2022
Registration of Chemical Waste Producer	5517-912- K2931-02	05/12/2022	-	EPD / E&M Contractor	05/12/2022
Construction Noise Permit	GW-RS0258- 23	14/04/2023	13/10/2023	EPD / E&M Contractor	24/03/2023

#### **Environmental Complaints / Summons/ Prosecutions**

No complaint in relation to the environmental impact of the construction activities was received in the reporting month. There was also no notification of summon and successful prosecution for breaches of relevant environmental legislations received in the reporting month.

#### **Future Key Issues**

The construction activities scheduled for the coming month are mainly demolition of existing pipe rack, foundation works, trenching works, GTAB plant equipment demolition, Heat Recovery Steam Generator (HRSG) 5 and Heat Recovery Steam Generator (HRSG) 7 demolition, GT5 and GT7 power train removal works, operation of crawler crane, operation of cherry picker and oil discharge.

The future key issues to be considered in the coming month are as follows:

- Relevant environmental legislations should be observed.
- Relevant environmental licenses/permits should be obtained, if required.
- Required environmental mitigation measures should be properly implemented.
- Good site practices should be adopted to minimize environmental impacts.
- Dust suppression measures should be implemented for the construction activities.
- Works conducted during restricted hours should comply with the valid CNP.
- Wastewater from site facilities should be properly collected and stored within the site area.
- Generation of waste should be minimized.
- Waste generated should be properly stored and disposed of.

#### **Reporting Changes**

There was no reporting change in the reporting month.

#### **Concluding Remarks**

The environmental performance of the Project was generally satisfactory.

# **1.** INTRODUCTION

#### 1.1 Background

In April 2022, an Environmental Permit (EP-600/2022) was granted to HK Electric for the decommissioning/ demolition, construction and operation of the Project entitled "Re-provision of Open Cycle Gas Turbines at Lamma Power Station". An Environmental Team was then formed to implement the Environmental Monitoring and Audit (EM&A) programme in accordance with the EM&A Manual for the Project.

The key components of the Project are outlined as follows:

- Decommissioning and demolition of four oil-fired open cycle gas turbine units (GT2, GT3, GT4 and GT6) and one gas-fired combined cycle gas turbine unit (GT57), and auxiliary equipment including the black start gas turbine (BSGT), the miscellaneous storage shed, and the lube oil storage tank near GT5;
- Construction of four new oil-fired open cycle gas turbine units (GT8, GT9, GT 10 and GT11), and installation of the new BSGT and Battery Energy Storage System (BESS);
- Construction of new cable trenches, staircase and lift, and reconstruction of the GT57 Auxiliary Building (GTAB) to a new 132kV Switching Station; and
- Operation of four new oil-fired open cycle gas turbine units (GT8, GT9, GT10 and GT11).

The EM&A programme was commenced on 1 July 2022. This is the 11<sup>th</sup> monthly EM&A report which summarizes the environmental monitoring and audit work for the Project for the month of May 2023.

#### 1.2 **Project Organization**

The management structure to oversee the Project includes the following:

- Project Proponent (HK Electric);
- Environmental Protection Department (EPD);
- Independent Environmental Checker (IEC);
- Environmental Team (ET); and
- Contractor.

The project organisation chart for the EM&A programme is shown in Appendix A.

# 1.3 Key Construction Works Undertaken during the Reporting Month

The Project area is shown in Figure 1.1, and the tentative decommissioning and construction phasing schedule is shown in Figure 1.2.

The locations of air, noise and water sensitive receivers are shown in Figure 1.3, Figure 1.4 and Figure 1.5 respectively.

The main construction activities carried out during the reporting month and the corresponding environmental mitigation measures are summarized in Table 1.1. The implementation status of the major mitigation measures in the reporting month can be found in Appendix C.

 Table 1.1
 Construction Activities and Corresponding Environmental Mitigation Measures

Item	Activities	Environmental Mitigation Measures
Civil V	Works - General	1
1.	Trenching works and demolition of pipe rack	<ul> <li>Air</li> <li>All regulated machine attached with valid exception/ approval NRMM labels.</li> <li>Water spraying for concrete breaking works.</li> <li>Excavated material stockpile will be temporary covered with canvas or transferred to temporary storage location for backfill later.</li> </ul>
		<ul> <li>Noise</li> <li>Noise emission label was provided for air compressor.</li> <li>Works conducted during restricted hours should comply with the valid CNP.</li> </ul>
		<ul> <li>Wastewater</li> <li>No wastewater is required to be discharged at this moment.</li> <li>Sand bag barriers was set up as preventive measures.</li> </ul>
		<ul> <li>Waste Management <ul> <li>Excavated material was temporary stored for backfilling later.</li> <li>Scrape metal will be recycled.</li> <li>Chemical waste should be collected by licensed collector.</li> </ul> </li> </ul>
2	Lube Oil Tank area (BH1) sampling works	<ul> <li>Follow sampling procedures stated in Contamination Assessment Plan (CAP) under supervision of Land Contamination Specialist</li> </ul>
E&M	Works - General	
3.	Scraped material removal works	Air – All regulated machine attached with exception/approval NRMM labels
		Noise – Works conducted during restricted hours should comply with the valid CNP.
		Wastewater – No wastewater is required to be discharged for this moment.
		Waste Management – Scrap metal will be recycled.
4.	Lifting and cut	<i>Air</i> – Fence off the working area to avoid dust emission.
		Noise – Works conducted during restricted hours should comply with the valid CNP.

Item	Activities	Environmental Mitigation Measures
		Wastewater – No wastewater is required to be discharge for this works.
		Waste Management <ul> <li>Scrap metal will be recycled.</li> </ul>
5.	Operation of crawler crane	Air – All regulated machine attached with valid exception/ approval NRMM labels.
		Noise – Works conducted during restricted hours should comply with the valid CNP.
		Wastewater – No wastewater is required to be discharged for this works.
		Waste Management <ul> <li>No waste will be generated.</li> </ul>
6.	Operation of cherry picker	Air – All regulated machine attached with exception/approval NRMM labels.
		Wastewater – No wastewater is required to be discharged for this works.
		<ul> <li>Noise         <ul> <li>No works will be conducted during restricted hours at this moment.</li> </ul> </li> </ul>
		Waste Management <ul> <li>No waste will be generated.</li> </ul>
7.	Take down the equipment and steel	<i>Air</i> – Fence off the working area to avoid dust emission.
	frame	Noise – Works conducted during restricted hours should comply with the valid CNP.
		Wastewater – No wastewater is required to be discharge for this works.
		Waste Management <ul> <li>Scrap metal will be recycled.</li> </ul>
7.	Oil discharge	<i>Air</i> – Fence off the working area to avoid dust emission
		Noise – Works conducted during restricted hours should comply

Item	Activities	Environmental Mitigation Measures
		with the valid CNP.
		Wastewater – Nylon sheet are set on the ground.
		<ul> <li>Waste Management</li> <li>Oil would be handled by a specific chemical waste disposal company.</li> </ul>

#### 1.4 Summary of EM&A Requirements

#### Impact Monitoring

According to the EM&A Manual, no routine impact monitoring for air quality, noise and water quality is necessary in view of the anticipated insignificant environmental impact.

#### Environmental Audit

Regular environmental audits on air quality, noise, water quality, waste management, and land contamination are required. Details of the audits are summarized in Section 2 of this report.

Report on complaints, notification of summons and successful prosecutions are given in Section 3 of this report.

Future key issues are given in Section 4 of this report.

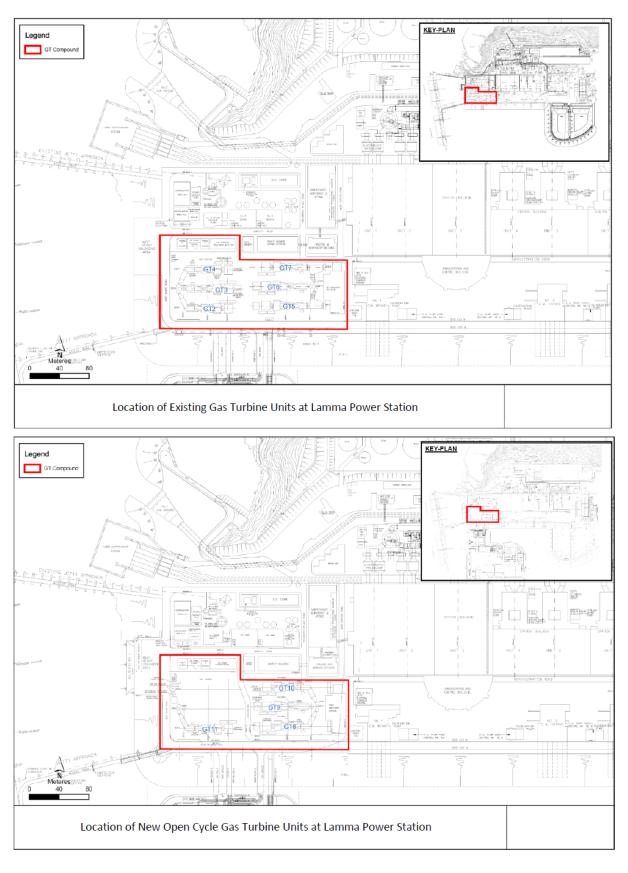


Figure 1.1 The Project Area

		Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025	Q2 2025	Q3 2025	Q4 2025	Q1 2026	Q2 2026	Q3 2026	Q4 2026
GT57	Decommissioning of GT57																				
	Demolition of E&M equipment in GTAB																				
Demolition	Demolition of HRSG																				
of GT7	Demolition of gas turbine, generator, generator transformer and auxiliary equipment																				
	Anchor bolt replacement																				
	Stack refurbishment																				
GT10	Construction of gas turbine, generator, generator transformer and auxiliary equipment																				
	Testing and Commissioning																				
	Demolition of HRSG																				
Demolition of GT5	Demolition of gas turbine, generator, generator transformer and auxiliary equipment																				
	Anchor bolt replacement																				
GT8	Construction of gas turbine, generator, generator transformer and auxiliary equipment																				
	Testing and Commissioning																				
Demolition of GT6	Decommissioning Demolition of gas turbine, generator, generator transformer and auxiliary equipment																				
	Anchor bolt replacement																				
GT9	Construction of gas turbine, generator, generator transformer and auxiliary equipment																				
	Testing and Commissioning																				
GT2	Decommissioning Demolition																				
GT3	Decommissioning Demolition										<b>.</b>										
GT4	Decommissioning Demolition										To be	advised									
GT11	Construction Testing and Commissioning																				

Figure 1.2 Decommissioning and Construction Phasing Schedule

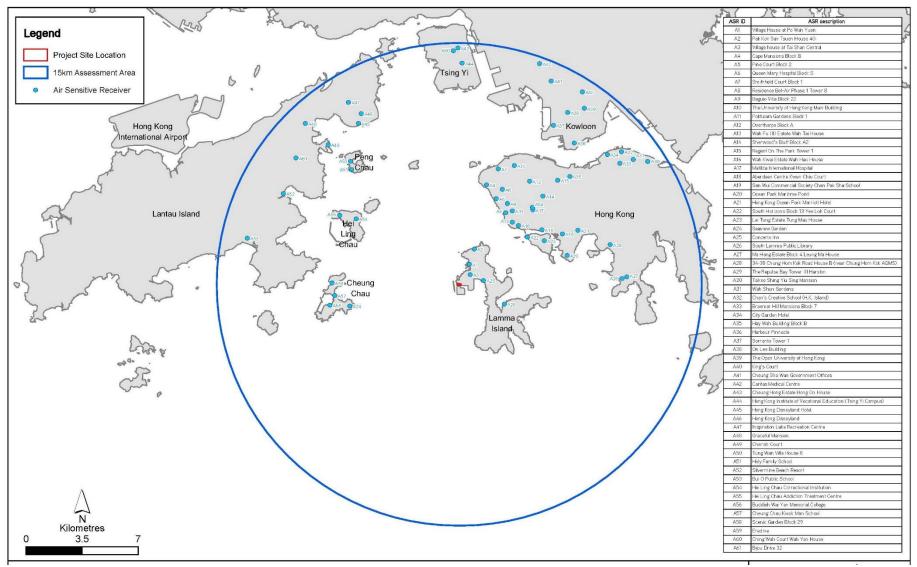


Figure 1.3 Locations of Air Sensitive Receivers within the 15km Assessment Area



Figure 1.4 Locations of Noise Sensitive Receivers



Figure 1.5 Locations of Water Sensitive Receivers

# 2. ENVIRONMENTAL AUDIT

#### 2.1 Site Inspection

EPD officials from Regional Office (South) visited Lamma Power Station on 4/5/2023. There was no adverse comment from EPD regarding the construction site.

Independent Environmental Checker (IEC) conducted a site inspection on 23/5/2023. The site conditions were generally satisfactory.

Weekly site audits were carried out by the Environmental Team in the reporting month to ensure compliance with relevant legislations and other requirements. The site audit findings or recommendations in the reporting month are summarized in Appendix D. The site conditions were generally satisfactory. No non-compliance was recorded during the site inspection. All recommended mitigation measures were properly implemented.

#### 2.2 Status of Environmental Licensing and Permitting

The licenses/permits obtained for the Project as of end May 2023 are summarised in Table 2.1.

License/Permit	Ref. No.	Valid	Period	Description	Status
		From	То		
Environmental Permit	EP-600/2022	01/04/2022	-	For the decommissioning/ demolition, construction and operation of the Project	Valid
Waste Disposal Billing Account	Account No.: 7044319	27/06/2022	-	Civil Work	Valid
Registration of Chemical Waste Producer	5213-912- P2781-22	22/02/2016	-	Civil Work	Valid
EPD Notification (Dust) Construction, Air Pollution Control (Construction Dust) Regulation	481782	07/07/2022	-	Civil Work	Valid
Construction Noise Permit	GW-RS1132- 22	30/12/2022	26/06/2023	Civil Work. Operation of PME during restricted hours	Valid
Waste Disposal Billing Account	Account No.: 7045179	28/09/2022	-	E&M Work	Valid
Registration of Chemical Waste Producer	5517-912- K2931-02	05/12/2022	-	E&M Work	Valid
Construction Noise Permit	GW-RS0258- 23	14/04/2023	13/10/2023	E&M Work. Operation of PME	Valid

 Table 2.1
 Status of Environmental Licensing and Permitting

L	icense/Permit	Ref. No.	Valid ]	Period	Description	Status
			From	То		
					during restricted hours	

#### 2.3 Waste Management

All wastes produced were managed in accordance with the Waste Management Plan, good waste management practices, and statutory regulations and requirements.

The estimated quantities of wastes generated in May 2023 are summarized in Table 2.2.

Table 2.2Estimated Quantities of Waste Generated in May 2023

	Non-inert C&D Materials						
Total Inert C&D Waste Materials	C&D Materials Recycled	C&D Waste Disposed of at Landfill	Chemical Waste				
0	0	59.75 Tonnes	30,000 Litres				

The monthly waste flow tables prepared by the contractors are attached in Appendix E.

#### 2.4 Implementation Status of Land Contamination Assessment

The EIA study has recommended to conduct site investigation and sampling at five hotspot locations (i.e. 4 boreholes and 1 trial pit) to assess the potential land contamination impacts within the Project site in accordance with the Contaminated Assessment Plan (CAP). Site investigation and soil and groundwater sampling will be undertaken in accordance with the CAP under the supervision of a Land Contamination Specialist when the proposed sampling locations are made available after the demolition of the existing units and structures. The updated CAP was submitted to EPD in December 2022 for approval. EPD's comments on the CAP were received on 20/12/2022 and a revised CAP was submitted to EPD on 13/1/2023. EPD's approval for the CAP was granted on 2/3/2023.

Site investigation work on Lube Oil Tank area (BH1) was started on 22/5/2023 and the samples obtained had been delivered to laboratory for further analysis.

# 2.5 Implementation Status of Environmental Mitigation Measures

Mitigation measures detailed in the Environmental Permit and the EM&A Manual are required to be implemented. A summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in Appendix C.

# 3. REPORT ON COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

#### 3.1 Implementation Status of Environmental Complaint Handling Procedures

No complaint in relation to the environmental impact of the construction activities was received in the reporting month.

Table 5.1 Environmental Complaints Received in May 2025	Table 3.1	Environmental Complaints Received in May 2023
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Case Reference / Date, Time Received / Date, Time Concerned	Descriptions /Actions Taken	Conclusion / Status
Nil	N/A	N/A

#### Table 3.2 Outstanding Environmental Complaints Carried Over

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions /Actions Taken	Conclusion / Status
Nil	N/A	N/A

#### 3.2 Environmental Summon and Successful Prosecution

No notification of summon or successful prosecution was received in the reporting month.

Table 3.3Notifications of Summon or Successful Prosecution Received in May 2023

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions /Actions Taken	Conclusion / Status
Nil	N/A	N/A

 Table 3.4
 Notifications of Summon or Successful Prosecution Carried Over

Case Reference / Date, Time Received / Date, Time Concerned	Descriptions /Actions Taken	Conclusion / Status
Nil	N/A	N/A

# 4. FUTURE KEY ISSUES

#### 4.1 Construction Program for the Coming Month

The construction activities scheduled for the coming month are mainly demolition of existing pipe rack, foundation works, trenching works, GTAB plant equipment demolition, Heat Recovery Steam Generator (HRSG) 5 and Heat Recovery Steam Generator (HRSG) 7 demolition, GT5 and GT7 power train removal works, operation of crawler crane, operation of cherry picker and oil discharge (see Appendix B).

#### 4.2 Key Issues for the Coming Month

Key issues to be considered and recommended in the coming month include:

#### Civil Works

#### General

- Relevant environmental legislations should be observed.
- Relevant environmental licenses/permits should be obtained, if required.
- Required environmental mitigation measures should be properly implemented.

#### Air

- Dust suppression measures should be implemented for the construction activities.

#### Noise

- General noise mitigation measures should be employed at work site.
- Works conducted during restricted hours should comply with the valid CNP.

#### Water

- Wastewater from site facilities should be properly collected and stored within the site area.
- Good site practices should be adopted.

#### Waste

- Waste Management Plan submitted should be implemented
- Good site practices should be adopted.

#### Land Contamination

- Good site practices should be adopted.

#### E&M Works

#### General

- Relevant environmental legislations should be observed.
- Relevant environmental licenses/permits should be obtained, if required.
- Required environmental mitigation measures should be properly implemented.

# Air

- Dust suppression measures should be implemented for the construction activities.

#### Noise

- General noise mitigation measures should be employed at work site.
- Works conducted during restricted hours should comply with the valid CNP.

#### Water

- Wastewater from site facilities should be properly collected and stored within the site area.
- Good site practices should be adopted.

#### Waste

- Waste Management Plan submitted should be implemented
- Good site practices should be adopted.

#### Land Contamination

- Good site practices should be adopted.

# 5. CONCLUSION

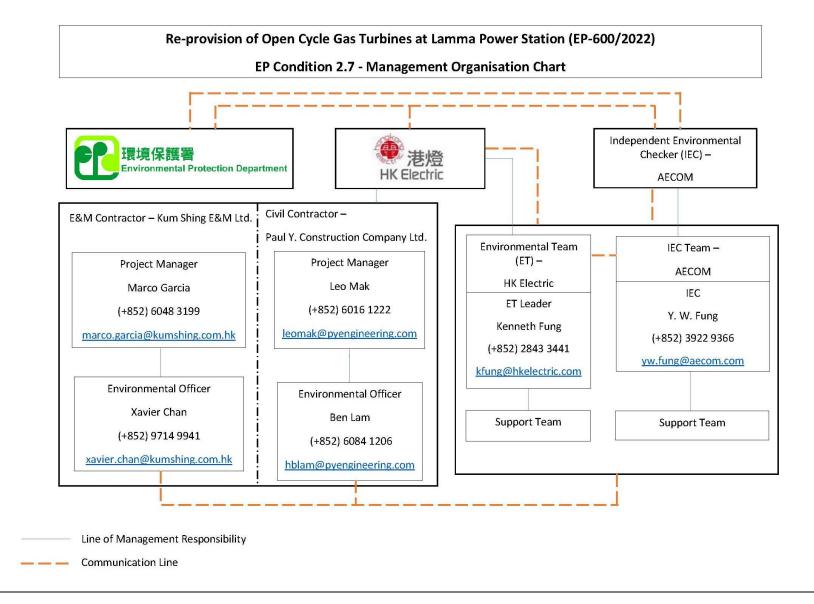
According to the EM&A Manual, environmental monitoring was not necessary in view of the anticipated insignificant environmental impact. Environmental audits were performed in accordance with the EM&A Manual.

All recommended environmental mitigation measures were properly implemented. No complaint in relation to the environmental impact of the construction activities was received in the reporting month. There was also no notification of summon and successful prosecution for breaches of relevant environmental legislations received in the reporting month.

No non-compliance was recorded in the reporting month.

The environmental performance of the Project was generally satisfactory.

# Appendix A Organization Chart



Appendix B1	Tentative Decommissioning and	Construction Programme (Civil Contractor)

				Civil V	Vorks for		ontract No. vision of C			nma Powe	r Station	ı								
n c	'ask Name	Duration	Start	Finish																
					28/0	June	04/06	11/06	1	8/06	25/06 Ju	ily 02/07	09/07	16/07	23/07	August 30/07	06/08	13/08	20/08	27/08
1 (	Contract Date	1651 davs	24/06/22	31/12/26	2010		04/00	11/00	1		20100	0201	0//01	1007	25101	5007	0000	10/00	20/00	21100
2		0 days	24/06/22	24/06/22																
3		0 days	01/07/22	01/07/22	-															
4		14 days	24/06/22	07/07/22	-															
5		0 days	31/12/26	31/12/26	-															
6 5	chedule of Site Possession Date as per Clause PS.1.4.2		01/07/22	01/10/26				_												
7		731 days	01/07/22	01/07/24		_		_	_											
8		0 days	01/07/22	01/07/22																
9	A2: Demolition of existing pipe supporting rack at Amenity Building	2 days	24/05/23	25/05/23																
10	Construction Works at GT I/B Transformer Bay No. 3	0 days	31/07/23	31/07/23												A31/07				
11	Equipment Building	0 days	15/06/23	15/06/23					5/06											
12	A5: Shelter, fencing and fire services installation works at GT I/B Transformer Bay No.3		01/07/24	01/07/24																
13		1158 days	01/07/22	01/09/25	_															_
14		0 days	01/07/22	01/07/22																
15		0 days	01/06/23	01/06/23	•	01/06														
16		0 days	01/02/24	01/02/24	_															
17		0 days	01/09/25	01/09/25	_															
18	B5: Civil works for existing I/B Transformer Bay No. 2 and Gas Turbine 132kV Switching Station		01/06/25	01/06/25																
19		1280 days	01/07/22	01/01/26																
20		0 days	01/07/22	01/07/22	_															
21	C2: Trenching works (excluding BESS-3) within Area I		01/06/23	01/06/23		01/06														
22		0 days	01/06/23	01/06/23	1	• 01/06														
23		0 days	01/12/23	01/12/23																
24		0 days	01/04/25	01/04/25																
25		0 days	01/10/25	01/10/25																
26	C6: Trenching works for BESS-3 within Area B	0 days	01/01/26	01/01/26																
27		578 days	01/01/23	01/08/24																
28		0 days	01/01/23	01/01/23																
29		0 days	01/05/23	01/05/23																
30		0 days	01/08/24	01/08/24																
31		1035 days	01/12/23	01/10/26																
32	E1: Remove of sub-base, backfill, screeding etc. for trenches within Area A to J at LPS and Area I to VIII at LMX	0 days	01/12/23	01/12/23																
33	E2: Total completion for all remaining works	0 days	01/10/26	01/10/26	- II															
34		1630 days	15/07/22	31/12/26				++								++				
35	Section A	1174 days	15/07/22	01/10/25		-														
36	+6.45 to +9.50mPD at G.L. 4-5/F	0 days	15/07/22	15/07/22																
37	Amenity Building	0 days	29/04/23	29/04/23																
38	A3: Piling works, pile cap, plinth and Trench Construction Works at GT I/B Transformer Bay No. 3	l day	31/08/24	31/08/24																
ivil W	Program of Contract No. 21-83005 orks for Reprovision of OCGT ma Island Power Station	ne 🔶		Summary 🛡 Manual Summary 🛡			Mart-only änish-only	5		Crit	iical iical Split			Progress						
							Page	1												

				Civil W	/orks fo		ontract N vision of		mma Po	ower Sta	ation										
D	Task Name	Duration	Start	Finish	-	June	0.000				July	00.000	00.00	1489	22.00	Au	gust		10.000	20.000	20.00
39	A4: Lamma 132-kV Switching Station & OCGT Equipment Building	0 days	01/10/24	01/10/24	28		04/06	11/06	18/06	25/0	0 0	02/07	09/07	16/07	23/07	30/	07 06	/08	13/08	20/08	27/08
40	A5: Shelter, fencing and fire services installation works at GT I/B Transformer Bay No.3	0 days	01/10/25	01/10/25																	
41	· · · · · · · · · · · · · · · · · · ·	1155 davs	31/12/22	28/02/26				_													
42		0 days	31/12/22	31/12/22	- 1																
43		0 days	30/11/23	30/11/23	- 1																
44		0 davs	31/07/24	31/07/24	- 1																
45		0 days	28/02/26	28/02/26	- 1																
46	B5: Civil works for existing I/B Transformer Bay No. 2 and Gas Turbine 132kV Switching Station		28/02/26	28/02/26																	
47		1277 days	31/12/22	30/06/26		+		-								++-					
48		0 days	31/12/22	31/12/22																	
49	C2: Trenching works (excluding BESS-3) within Area I		31/12/23	31/12/23																	
50		0 days	31/05/24	31/05/24																	
51		0 days	30/09/25	30/09/25																	
52	C5: Trenching works within Area I	0 days	31/03/26	31/03/26																	
53		0 days	30/06/26	30/06/26	1																
54	Section D (LMX)	519 days	30/06/23	30/11/24																	
55	D1: Trenching works within Area II	0 days	30/06/23	30/06/23							30/06										
56	D2: Trenching works within Area I	0 days	31/03/24	31/03/24																	
57	D3: Trenching works within Area VIII	0 days	30/11/24	30/11/24																	
58		0 days	31/12/26	31/12/26																	
59	El: Remove of sub-base, backfill, screeding etc. for trenches within Area A to J at LPS and Area I to VIII at LMX	0 days	31/12/26	31/12/26																	
60	E2: Total completion for all remaining works	0 days	31/12/26	31/12/26																	
61		882 days	01/10/23	28/02/26																	
62	Section B2 - Anchor Bolt installation	46 days	01/10/23	15/11/23																	
63	Section B3 - Anchor Bolt installation	45 days	01/06/24	15/07/24																	
64		46 days	01/01/26	15/02/26																	
65	Schedule of Final concreting works	836 days	16/11/23	28/02/26																	
66		15 days	16/11/23	30/11/23																	
67		16 days	16/07/24	31/07/24																	
68		13 days	16/02/26	28/02/26																	
	Transformer works by Employer's Specialist Contractor as per Clause PS1.4.3 (Section B5)		01/09/25	31/12/25																	
70		122 days	01/09/25	31/12/25																	
71 72	General Preliminary and Technical Submission and Approva Method Statement and Materials: Preparation and Submission (Section A1 & Section A2)	940 days 7 days	24/06/22 24/06/22	18/01/25 30/06/22																	
73	Method Statement and Materials: Engineer's Review and Approval (Section A1 & Section A2)	7 days	24/06/22	30/06/22																	
74		28 days	01/07/22	28/07/22																	
75	Method Statement and Materials: Engineer's Review and Approval (Other Major Works)	28 days	29/07/22	25/08/22																	
76		28 days	24/06/22	21/07/22																	
Civil \	er Program of Contract No. 21-83005 Works for Reprovision of OCGT mma Island Power Station	ne 🔶	S	Summary 👎 Manual Summary 🛡			Start-only Finish-only	5	 	Critical Critical S	Split			Progress							
							Pa	uge 2	 												

					OIKS I	oi Repi	OVISIOII OI	0001	at La	mma Po	wer Statio	1									
1	Fask Name	Duration	Start	Finish	-	June 3/05						luly					August				
			0.0.000	10100100	28	3/05	04/06	11/06		18/06	25/06	02/07	09/0	7 16	5/07 2	23/07	30/07	06/08	13/08	20/08	27/08
77		28 days	22/07/22	18/08/22	_																
78 79		28 days	24/06/22	21/07/22	_																
80	Health and Safety Plan - Engineer's Review and Approval		22/07/22	18/08/22	_																
	Trenching Submission - Prepare and submit of Trenching work		24/06/22	21/07/22																	
81		28 days	22/07/22	18/08/22	_																
82	ELS Design Submission - Preparation for Submission (Pile Cap)	28 days	24/06/22	21/07/22																	
83	ELS Design Submission - Review & Approval (Pile Cap)	28 days	22/07/22	18/08/22													_				
84	FS installation - Design Submission to ICE	28 days	23/11/24	21/12/24																	
85	FS installation - Engineer's Review and Approval	29 days	22/12/24	19/01/25																	
86	BS Shop Drawing and Combined Services Drawings Preparation	90 days	28/10/22	26/01/23																	
87	Combined Services Drawings Approval by the Engineer	28 days	27/01/23	23/02/23													_				
88		90 days	31/01/23	30/04/23																	
89		28 days	02/05/23	29/05/23	-							-					_				
90 J	BD Application & Procedure	719 days	01/07/22	18/06/24		+											+				
91	BA19 Hoarding Permit Application (Phase I)	30 days	01/07/22	30/07/22																	
92	BA19 Hoarding Permit Application (Phase II)	30 days	15/06/23	14/07/23																	
93	BA8 Application for Consent (Demolition Works) (Green Zone - ST5)	28 days	01/07/22	28/07/22													٦				
94	BA8 Application for Consent (Demolition Works) (Cyan & Red Zone - GTAB & Turbo Block)	28 days	15/06/23	12/07/23				4	-												
95		7 days	13/07/23	19/07/23									1	*	-						
96	BA14A Certificate on Completion of Demolition Works	27 days	06/12/23	01/01/24	- 1																
97		28 days	15/02/23	14/03/23																	
98		0 days	09/10/23	09/10/23																	
99		28 davs	15/08/23	11/09/23															5		
00	BA8 Application for Consent (Pile Cap & Superstructure)		01/07/22	28/07/22															_ <b>^</b>		
101		7 days	29/07/22	04/08/22															_		
102	BA14 Certificate on Completion of Building Works (Pile Cap & Superstructure)	0 days	03/01/25	03/01/25																	
03		0 days	03/01/25	03/01/25																	
04 F		190 days	30/05/23	05/12/23	-											_					
	Construction	1645 days	01/07/22	31/12/26								-				-		_		_	_
09		110 days	29/07/23	15/11/23	1							1				-					
		48 days	01/07/22	17/08/22								1									
11		14 days	01/07/22	14/07/22								1									
12		20 days	15/07/22	03/08/22		H—													_		
13		14 days	04/08/22	17/08/22	-1																
14		1188 days	01/07/22	01/10/25								-					┥┥────				
15	A1: Removal of existing cladding enclosure from +6.45 to +9.50mPD at G.L. 4-5/F		01/07/22	15/07/22																	
16		4 days	01/07/22	04/07/22								1									
17		3 days	05/07/22	07/07/22																	
ivil W	r Program of Contract No. 21-83005 forks for Reprovision of OCGT ma Island Power Station	ne 🔶	1	Summary 🗭 Manual Summary 🛡			Start-only Finish-only	C 3			Critical Critical Split	_		Progress	-		_				
							Day	ge 3													

				Civil	Works fo	or Re		act No. 2				Powe	er Statior	n											
	Ruf Minut	Design of the second seco	10 m m		WOIKS IN	oi Ru	provisio	011 01 00	01	ai L	amma	a 1 0 w (	ci otatioi												
u l	fask Name	Duration	Start	Finish	-	June	,						J	uly					A	ugust					S
					28	/05	04/0	6 1	11/06		18/06	5	25/06	02/07	0	9/07	16/07	23/07	30	W07	06/08	13/	08	20/08	27/08
118	Removal & Disposal of existing cladding enclosure at G.L. 4-5/F	5 days	08/07/22	12/07/22																					
119	Removal of existing cladding enclosure from +6.45 to +9.50mPD at G.L. 4-5/F and Make Good	3 days	13/07/22	15/07/22		╢																-			
120	Completion of Removal of existing cladding enclosure from +6.45 to +9.50mPD at G.L. 4-5/F	0 days	15/07/22	15/07/22																					
121	A2: Demolition of existing pipe supporting rack at Amenity Building	63 days	29/04/23	30/06/23																					
122	Site Establishment & Temporary work	2 days	26/05/23	27/05/23	h.																				
123	Erection Scaffolding & Fence off	7 days	28/05/23	03/06/23	×		L.																		
124	BD inspection and issue consent	14 days	04/06/23	17/06/23			Ľ			-1															
125	Demolition of overhead pipes supporting rack at Amenity Building	4 days	18/06/23	21/06/23						Ě	-														
126	Removal of hoarding and site clearance	7 days	24/06/23	30/06/23								<b>1</b>													
127	Completion of Demolition of existing pipe supporting rack at Amenity Building	0 days	29/04/23	29/04/23																					
128	A3: Piling works, pile cap, plinth and Trench Construction Works at GT I/B Transformer Bay No. 3	286 days	31/07/23	11/05/24															yp=						
129	Removal of FS waterspray pipe system	14 days	31/07/23	13/08/23																		1			
130	Removal of covered shelter to transformer	10 days	14/08/23	23/08/23																		×			
131	Removal of fencing	10 days	24/08/23	02/09/23																				*	
132	Removal cable, control box and transformer (by other)	60 days	03/09/23	01/11/23																					
133	Preparation work for piling works	18 days	02/11/23	19/11/23																					
134	Socket H-pile: Pre-drilling works for socketed H pile	21 days	20/11/23	10/12/23																					
135	Socket H-pile: Set up & Test Installation of Pile (BD witness)	20 days	11/12/23	30/12/23																					
136	Socket H-pile: Foundation works (4 nos. Socket H-pile)	37 days	31/12/23	05/02/24																					
137	Socket H-pile: Post Drilling works	14 days	06/02/24	19/02/24																					
138	Socket H-pile: Pile loading Test and Submission to BD		20/02/24	14/03/24																					
139	ELS/ Pile Cap Construction (NPC2), trench and plinth to G/F & Backfilling	60 days	15/03/24	13/05/24																					
140	Site clearance and make good works	15 days	14/05/24	28/05/24																					
141	Completion of Piling works, pile cap, plinth and Trench Construction Works at GT I/B Transformer Bay	0 days	31/08/24	31/08/24																					
142	A4: Lamma 132-kV Switching Station & OCGT Equipment Building	535 days	01/01/23	18/06/24																					
143	Demolition work inside GTAB	173 days	15/06/23	04/12/23					빤	_				-								-			
144		15 days	15/06/23	29/06/23					1					+											
145		15 days	31/07/23	14/08/23															1			<u> </u>			
146		14 days	15/08/23	28/08/23																		<u> </u>			_
147		98 days	29/08/23	04/12/23																					
148		63 days	29/08/23	30/10/23																					
149 150	A&A work at GTAB Civil Modification works and A&A Works at level	<i>539 da</i> ys 60 days	15/06/23 15/06/23	04/12/24 13/08/23		╂			╢╧													<b>-</b> 1			
151	+11.15 ABWF & BS works at level +11.15	(0.1	14/08/23	12/10/23					1													+			
151		60 days		12/10/23					1													í +			
152	+13.65	60 days	14/08/23																						
Tender Civil W	ABWF & BS works at level +13.65	60 days	13/10/23	11/12/23 Summary Manual Summary			Start-o Finish		5				itical itical Split				ogress		_	,		_11			
								Page 4																	

Image: Note: A control definition works and AAA Works at level (1) 800 (1) 10000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 1000 (1) 100					Civil V	Vorks fo	or Re	Contra					a Po	wer Sta	tion												
Image: Data series and AAA Webs steled:         Open (1)/02         Data (1)/02 <thdata (1)="" 02<="" th="">         Data (1)/02</thdata>	) T	ask Name	Duration	Start		, or and the		pro 11510				Lum		Her Da													
94         Cold Modification wask and AAA Web's at level         60 days         [11023]           94         Cold Modification wask and AAA Web's at level         60 days         [2122]         609024           95         Cold Modification wask and AAA Web's at level         60 days         [2122]         609024           95         Cold Modification wask and AAA Web's at level         60 days         60122         609024           95         Cold Modification wask and AAA Web's at level         60 days         60122         60024           97         ABWY & BS web's at the are maind hoose         60 days         60122         60024           97         ABWY & BS web's at the are maind hoose         60 days         60122         60024           97         ABWY & BS web's at the are maind hoose         60 days         110223         60024           97         ABWY & BS web's at the are maind hoose         60 days         110223         110223           98         Repleases of the sating ordinant in the not of a satistic state and the s		Mode a House	C WINDON	our												y	1										
30       A SUY & & Ste watch at U = 16.5 M (a) and the form of the stermal from of the	154		60 days	13/10/23	11/12/23	28	105	04/06	5	11/06	6	18/	06	25/0	6	02/07	09	/07	16/07	23/07	30	X07	06/08	13/08	20	/08	27/08
90       Cold Modification work and AAA Works at level -513       0	155		60 days	12/12/23	09/02/24																						
Bit Reconstruction of the statust liston         60         drop         699334         77774           Control Modification within and AA West and AA West and 100 days         699734         699734         699734         699734           Control Modification within and AA West and AA West and 100 days         699734         699734         699734         699734         699734           Control Modification of the straining West and the strainin	156	Civil Modification works and A&A Works at level																									
99       ABWY & B S web, at these are statust floor       90 dryp       698/724       051/724         91       Cost Modelines web, and AS Web, at least 10       90 dryp       698/724       058/724         91       ABWY & B S web, at the stills & +700       679 dryp       698/724       058/724         61       Replacement of the scillar web, and childing       90 dryp       127/723       31/12/23         92       Replacement of the scillar web, and childing       90 dryp       129/723       31/12/23         93       Replacement of the scillar web, and childing       90 dryp       129/723       31/12/23         94       Instillation of set modeling on the N drap       109/723       060/724       001/74         96       Application of the potetion in the away       100 dryp       109/724       001/74         97       Free service instillation       100 dryp       109/724       001/74       000/74         97       Replacement of the scillar web, for coldent H pike 11 drap       109/724       000/724       000/724         98       Societ H pike Name       100 drap       100/724       000/724       000/724         98       Societ H pike Name       100 drap       100/724       000/724       000/724         98       Societ	157	ABWF & BS works at level +25.15	60 days	10/02/24	09/04/24																						
00         Coll Modification was all AAA Works allowal         100 days         0000214           4         ABWY & BS week, at level = 0.5 & 4-7.00         90 days         0000524         0040224           0         Observation of the similary visational         90 days         0000524         0401223           0         Observation of the similary visational         90 days         1000524         0401223           0         Application of aver witage orders given to fit         90 days         100124         200124           0         Application of aver witage orders given to fit         90 days         100124         200124           0         Application of aver witage orders fit site in the off and the site off and th	158	Re-construction of three internal floors	60 days	09/05/24	07/07/24										- 1												
a	159	ABWF & BS works at three new internal floors	90 days	08/07/24	05/10/24										- 1												
01       00 Are fulling Work:       479 Age:       4492/3       44/22/4         01       Replexent of the scining Works and power has a power has power has a power has power has a power has a	160	+6.15 & +7.00	160 days																								
01       Tack-order of the setting minders and 90 days       1309.23       111223         44       Instillions of set Winders thats is water to be on the setting Winders in the fit of the setting Winders winders	161																										
images         images<	162														- 1												
implicities the existing divergious tails on fair cold         0 days         0 10104         200104           60         Application of draw varterpooling system to fair         0 days         0 10104         200104           60         Application of fair protection system to fair         0 days         101042         200104           61         Application of fair protection system to fair         0 days         101042         200104           61         Fair devices installation         300 days         1309/23         080724           62         Protection system to bala         0 0 days         010124         280924           60         Protection system to bala         0 days         010124         140424           70         Protection system to bala         0 days         010124         1260724           71         Protection system to bala         0 days         010124         1260724           71         Protection system to bala         0 days         010124         1260724           72         Protection system to bala         100249         1202023         1201024           72         Protection system to bala         100249         120204         120204           73         Socket Hyale Ste colding induston socks for oddated fight 1 days	163		90 days	13/09/23	11/12/23																						
image: solution of the protection of the method of the solution of the protection of the method of the solution the solution the solution the solution the solution the	164	replace the existing fibreglass tank on flat roof	-																								
existing union ruburnal intelevitors of the         Dot by         Low         Database	165	roof	-																								
<sup>68</sup> Particion valid construction for new 200 days        200 days        200 222 <sup>69</sup> Procursment & Delivery        180 days        2010/124        200/24 <sup>69</sup> Procursment & Delivery        180 days        2010/24        1404/24 <sup>70</sup> Dialogge Works        90 days        0107/24        2500/24 <sup>71</sup> Dialogge Works        90 days        0107/24        2500/24 <sup>71</sup> Dialogge Works        90 days        0607/24        0507/24 <sup>717</sup> Mochiniscion with consciences S1-5        46 days        0610/24        0412/24 <sup>717</sup> Mochiniscion Work         for Kostaricaze S1-5        46 days        0507/23        0500/23 <sup>717</sup> Mochiniscion Work for Excitting late Cuvert        60 days        050/07/23        050/07/2 <sup>717</sup> Mochiniscion Work for Excitted H pile 12 days        050/07/2        050/07/2        050/07/2 <sup>718</sup> Socket H-pile Pabiolonig retat alsubminision to        2010/02	166	existing indoor structural steelworks of the	-																								
plant/segingment rooms       int       int way       int	167																							<u> </u>			
70       asd folding stutters       45 days       0.03/24       14/04/24         71       Drinage Works       90 days       0.07/74       28/09/24         72       Procument & Delivery       18/0 days       0.007/74       28/09/24         73       Mechnical ventilation and air conditioning       90 days       0.007/74       28/09/24         74       T&C       60 days       0.007/74       0.001/24         74       T&C       60 days       0.007/74       0.001/24         75       Construction of New Staticcuse 57.5       44 days       1.006/23       0.007/23         76       Preparation Work       18 days       1.006/23       0.007/23         78       Socket H-pile Free duling works for socketed Highe 21 days       0.009/23       1.91/023         79       Socket H.pile Free duling works for socketed Highe 21 days       0.900/23       1.91/023         79       Socket H.pile Free duling works for socketed Highe 21 days       0.900/23       1.91/023         81       Socket H.pile Free duling works for socketed Highe 21 days       0.900/24       0.102/24         82       Socket H.pile Fold Duling works       14 days       1.900/24       0.800/24         82       Socket H.pile Polie loading Text and Submission to		plant/equipment rooms																						9 <b>E</b>			
i and folding shutters       i out out i minto       Out out i       Out out i       Out out i       Out out i         11       Drange Work       So days       010714       2809724       2809724         12       Drange Work       So days       080 days       080724       051024         12       Mechanical variations and air conditioning       90 days       080724       051024         13       Mechanical variations       60 days       061024       041224         14       T&C       60 days       061024       041224         15       Construction of New Statiocase ST-5       484 days       150623       191024         16       Preparation Work       16 days       0809723       2009723         17       Modification Work for bescheft File B2 02 days       3009723       2009723         18       Socket H-pile: File Ibrailstoin of Pile B2D 2 days       3009723       201023         191023       Writesti       14 days       251223       080124         181       Socket H-pile: File Ibrailstoin and Submission to       24 days       250124       150324       150324         182       Caststuction of New Stationse 4 above NPC1       65 days       150374       120024         182	169																										
172       Procurement & Delivery       180 days       1001/24       06807/24         173       Mechnical vestilation and air conditioning       90 days       0807/24       0510/24         173       Mechnical vestilation       90 days       0607/24       0510/24         174       T&C       06 days       0610/24       0410/24         175       Construction of New Staticace 57.5       454 days       1500/23       02007/3         176       Preparation Work       for a construction of New Staticace 57.5       454 days       0500/23       02007/3         176       Modification Work for accelered IF pile 30       0307/23       0809/23       02007/3         177       Modification Work for accelered IF pile 30       0307/23       0809/23       1910/23         178       Socket H pile Production works (7 nos. Socket       67 days       2010/23       25/12/23       0801/24         180       Socket H pile Fort Drilling works       14 days       26/12/3       0801/24       18/04/24         181       Construction of New Staticase 4 above NPC1       63 days       15/03/24       18/04/24       22/05/24         182       Construction of New Staticase 65 days       23/05/24       26/08/24       26/08/24       10/02/4		and folding shutters																									
173       Mechanical ventilation and air conditioning       90 days       98 07/24       95 10/24         174       T&C       60 days       96 10/24       91 10/24         175       Contraction of New Statecase ST-5       484 days       150 6/23       02/10/23         176       Preparation Work       18 8 days       150 6/23       02/10/23         177       Modification Work for Existing Inlet Culvent       68 days       03/07/23       08 09/23         178       Socket H-pile: Pse-diming works       14 days       09/07/23       08 09/23         178       Socket H-pile: Pse-diming works       14 days       00/07/23       08/07/24         179       Socket H-pile: Poot Drilling works       14 days       20/10/23       05/12/23         180       Socket H-pile: Poot Drilling works       14 days       20/10/23       05/12/4         181       Socket H-pile: Poot Drilling works       14 days       20/10/24       18/04/4         182       Socket H-pile: Poot Drilling works       14 days       20/02/24       18/04/4         184       Construction of New Staticate 4 above NPC1       65 days       19/04/24       22/06/24         184       Gase dation       18/0 days       03/07/24       10/09/24       10/07/24	171	Drainage Works	90 days	01/07/24	28/09/24										- 1												
installation       installation       installation       installation       installation         installation       T&C       60 days       60/10/24       61/12/4         is       Construction of New Statrcase ST-5       454 days       1506/23       10/10/24         is       Preparation Work       18 days       1506/23       10/10/24         is       Socket H-pile Pre-drilling works for socketed H pile 1 days       09/09/23       29/09/23         is       Socket H-pile Fre-drilling works       14 days       26/10/23         is       Socket H-pile Fre-drilling works       14 days       26/10/24         is       Socket H-pile Foot Drilling works       14 days       26/10/24         is       Socket H-pile Foot Drilling works       14 days       26/10/24         is       Socket H-pile Foot Drilling works       14 days       26/10/24         is       Socket H-pile Foot Drilling works       14 days       26/10/24         is       Socket H-pile Foot Drilling works       14 days       26/10/24         is       Construction of New Statrcase 4 above NPC1       65 days       19/06/24       20/06/24         is       Construction of New Statrcase 4 above NPC1       65 days       10/06/24       20/06/24       20/06/24 <td></td>																											
13       Construction of New Staincase ST-5       494 days       15/06/23       10/10/24         16       Preparation Work       18 days       15/06/23       02/07/23       08/09/23         17       Modification Work for Existing Inlet Culvert       68 days       05/07/23       08/09/23       19/10/24         17       Socket H-pile: Pre-dniling works for socketed Hpile 21 days       09/09/23       19/10/23       25/12/23         17       Socket H-pile: Foundation works (7 noc. Socket       67 days       26/12/23       08/12/4         18       Socket H-pile: Pol Drilling works       14 days       26/12/23       08/12/4         18       Socket H-pile: Pol cap Construction (NPC1) to Gr       53 days       15/08/24       18/04/24         18       Socket H-pile: Pol cap Construction (NPC1) to Gr       53 days       10/02/24       10/02/24         18       Socket H-pile: Pol cap Construction (NPC1) to Gr       53 days       10/02/24       10/02/24         18       Construction of New Staincase 4 above NPC1       63 days       0/07/24       10/09/24         18       Construction of New Staincase 4 above NPC1       63 days       0/07/24       10/09/24         18       Tak       Tak       30 days       1/00/024       10/01/024 <t< td=""><td>173</td><td></td><td>90 days</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	173		90 days																								
76       Preparation Work       18 days       1506/13       0207/23         77       Modification Work for Existing Inlet Culvert       68 days       0307/23       0809/23         78       Socket H-pile: Pre-dniling works for socketed H.pile       12 days       0909/23       2909/23         79       Socket H-pile: Foundation works (7 nos. Socket       67 days       2010/23       2512/23         80       Socket H-pile: Foundation works (7 nos. Socket       67 days       2010/23       2512/23         81       Socket H-pile: Foundation works (7 nos. Socket       67 days       2010/24       2512/23         82       Socket H-pile: Foundation works (7 nos. Socket       65 days       1900/24       2106/24         83       ELS/ File Cag Construction (NPC1) to GF       35 days       1900/24       2206/24         84       Construction of New Staize4 a daytow NPC1       65 days       2306/24       26/08/24         84       Construction of New Staize4 a daytow NPC1       180 days       0307/24       1009/24         87       Freman's lift notal lation at OCGT Equipment Buildi 70 days       0307/24       1009/24       1010/24         88       T&C       30 days       11/09/24       1010/24       1010/24       Sutt-only       Progres <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>- 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															- 1												
77       Modification Work for Existing Inlet Culvert       68 days       0307/23       0809/23         78       Socket H-pile: Pre-drilling works for socketed H pile 21 days       0909/23       29/09/23         79       Socket H-pile: Setu & Text Installation of File (BD 20 days       3009/23       19/10/23         80       Socket H-pile: Foundation works (7 nos. Socket       67 days       20/10/23       19/10/23         80       Socket H-pile: Pot Drilling works       14 days       26/12/23       08/01/24         81       Socket H-pile: Pile loading Test and Submission to       24 days       09/01/24       01/02/24         82       Socket H-pile: Pile Cap Construction (PCI) to G/F       35 days       19/04/24       22/06/24         83       ELS/ Pile Cap Construction of New Staticase 4 above NPC1       65 days       19/04/24       22/06/24         84       Construction of New Staticase 4 above NPC1       65 days       23/06/24       26/08/24         86       Lift Procurement       180 days       03/07/24       10/09/24         87       Lift Procurement       180 days       03/07/24       10/09/24         88       Takc       Summary       Summary       Summary       Program         88       Takc       Mileston       Summary	175		484 days	15/06/23						- I <del>-</del>	_				-												
78       Socket H-pile: Pre-drilling works for socketed H pile 21 days       09/09/23       29/09/23         79       Socket H-pile: Set up & Test Installation of Pile (BD 20 days       30/09/23       19/10/23         80       Socket H-pile: Foundation works (7 nos. Socket       67 days       20/10/23       25/12/23         81       Socket H-pile: Pile loading Test and Submission to       24 days       09/01/24       01/02/24         82       Socket H-pile: Pile loading Test and Submission to       24 days       09/01/24       01/02/24         83       ELS/ Pile Cap Construction of New Staircase 4 above NPC1 of 5d days       15/03/24       18/04/24         84       Construction of new cladding enclosure for Staircase       65 days       23/06/24       26/08/24         85       Lift Procumenent       180 days       05/01/24       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/02/24       Ender Program of Contract No. 21-83005       Pogress         89       T&C       Summary       Minial Summary       Sunt-only       Critical Split       Progress         91/10/02/4       Minestore Station       Minial Summary       Minial Summary       Sunt-only       Critical Split       Progress										- 4	_				-	1											
79       Socket H-pile: Set up & Text Installation of Pile (BD 20 days       3009/23       19/10/23         80       Socket H-pile: Foundation works (7 nos. Socket       67 days       20/10/23       25/12/23         81       Socket H-pile: Post Drilling works       14 days       26/12/23       08/01/24         82       Socket H-pile: Post Drilling works       14 days       26/12/23       08/01/24         82       Socket H-pile: Post Drilling works       14 days       26/12/23       08/01/24         83       ELS/ Pile Cap Construction (NPC1) to G/F       35 days       15/03/24       18/04/24         84       Construction of New Staincase 4 above NPC1       65 days       23/06/24       26/08/24         84       Construction of New Staincase 4 above NPC1       65 days       03/07/24         85       Lift Procument       18/0 days       05/01/24       03/07/24         86       Lift Procument       18/0 days       05/01/24       03/07/24         87       Fireman's lift installation at OCGT Equipment Buildi 70 days       11/09/24       10/0/24         88       T&C       30 days       11/09/24       10/10/24         89       T&C       Manual Summary       Stat-only       Critical Split       Progres         Willwor		Modification Work for Existing Inlet Culvert	68 days	03/07/23												<u> </u>											
witness)       witness)       proceeding of contract No. 21-83005       process       process         80       Socket H-pile: Foundation works (7 nos. Socket       67 days       20/10/23       25/12/23         81       Socket H-pile: Post Drilling works       14 days       26/12/23       08/01/24         82       Socket H-pile: Pile loading Test and Submission to       24 days       09/01/24       01/02/24         83       ELS/ Pile Cap Construction (NPCI) to G/F       35 days       15/03/24       18/04/24         84       Construction of New Statrcase 4 above NPC1       65 days       19/04/24       22/06/24         85       Construction of New Statrcase 4 above NPC1       18/0 days       03/07/24       10/09/24         86       Lift Procurement       18/0 days       03/07/24       10/09/24         87       Fireman's lift installation at OCGT Equipment Build/70 days       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/10/24       10/10/24         88       T&C       30 days       11/09/24       10/10/24       10/10/24         89       Vill Works for Reprovision of CGT       Statr-only       Statr-only       Critical Split       Progress         14 and Bland Power Station       Manual Summar	178	Socket H-pile: Pre-drilling works for socketed H pile	e 21 days	09/09/23	29/09/23																						
H-pile)       H-pile Port Dulling works       0. mys       article         81       Socket H-pile: Port Dulling works       14 days       26/12/23       08/01/24         82       Socket H-pile: Pile loading Test and Submission to       24 days       09/01/24       01/02/24         83       ELS/ Pile Cap Construction (NPC1) to G/F       35 days       15/03/24       18/04/24         84       Construction of New Staircase 4 above NPC1       65 days       23/06/24       26/08/24         84       Construction of new cladding enclosure for Staircase 65 days       23/06/24       26/08/24       26/08/24         85       Cinft Procurement       180 days       03/07/24       10/09/24       10/09/24         86       T& Creation of OCGT Equipment Buildi 70 days       03/07/24       10/09/24       10/10/24         87       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/10/24       10/10/24         88       T&C       30 days       11/109/24       10/10/24       10/10/24       Progress         90       Will Works for Reprovision of OCGT       Task       Summary       Summary       Sunt-only       Critical Split       Progress	179	witness)																									
82       Socket H-pile: Pile loading Test and Submission to       24 days       09/01/24       01/02/24         BD       BD       BD       Stats       15/03/24       18/04/24         83       ELS/ Pile Cap Construction (NPCI) to G/F       35 days       19/04/24       22/06/24         84       Construction of New Staircase 4 above NPC1       65 days       23/06/24       26/08/24         85       Construction of new cladding enclosure for Staircase 65 days       23/06/24       26/08/24         86       Lift Procurement       180 days       05/01/24       03/07/24         87       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/10/24	180	H-pile)	-																								
BD Anoma and a second s						_																					
84       Construction of New Staircase 4 above NPC1       65 days       19/04/24       22/06/24         85       Construction of new cladding enclosure for Staircase 65 days       23/06/24       26/08/24         86       Lift Procurement       180 days       05/01/24       03/07/24         87       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/10/24         Program of Contract No. 21-83005         Will Works for Reprovision of OCGT       Manual Summary       Start-only       Critical         Milestone       Manual Summary       Finish-only       Critical Split       Progress	182	BD	-																								
85       Construction of new cladding enclosure for Staircase 65 days       23/06/24       26/08/24         86       Lift Procurement       180 days       05/01/24       03/07/24         87       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/10/24         89       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/10/24         80       T&C       30 days       11/09/24       10/10/24         81       T&C       Summary       Start-only       Critical       Progress         81       Finish-only       Critical Split       Progress       Progress						_																					
180       Lift Procurement       180 days       05/01/24       03/07/24         87       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/10/24         ander Program of Contract No. 21-83005 will Works for Reprovision of OCGT         Will Works for Reprovision of OCGT Vill Works for Reprovision of OCGT       Task Milestone       Summary       Stat-only       Critical Critical Split       Progress	184 185	Construction of new cladding enclosure for Staircase				-																					
87       Fireman's lift installation at OCGT Equipment Buildi 70 days       03/07/24       10/09/24         88       T&C       30 days       11/09/24       10/10/24         ender Program of Contract No. 21-83005         Will Works for Reprovision of OCGT       Paul Y       Task       Summary         Manual Summary       Finish-only       Critical       Progress         Critical Split       Critical Split       Oritical Split	196		100 1	05/01/24	02/07/24																						
88       T&C       30 days       11/09/24       10/10/24         ender Program of Contract No. 21-83005       Paul Y       Task       Summary       Start-only       Critical       Progress         VLamma Island Power Station       Task       Manual Summary       Finish-only       Critical Split       Progress						- 1																					
ender Program of Contract No. 21-83005 vil Works for Reprovision of OCGT Lamma Island Power Station						_																					
	ender	Program of Contract No. 21-83005 orks for Reprovision of OCGT	_		Summary 🛡				-	_					Split	_			gress	_		,					
Page 5																											

				Civil V	/orks f	or R		tract			nma F	ower	Station	L												
D	Task Name	Duration	Start	Finish		Jur	ie						J	ily							ugust					5
189	EMSD	25 Jan	10/10/24	14/11/24	28	3/05	0	4/06	1	11/06	18/06	2	5/06	02/0	7	09/07	1	6/07	23/07	- 3	0/07	06/08	13/08	20/08	27/	/08
190		35 days	10/10/24	10/10/24																						
190		0 days			- 1																					
191	Lift inspection by EMSD	14 days	11/10/24	24/10/24	_																					
		21 days	25/10/24	14/11/24	_																					
193	WSD inpection	45 days	08/04/24	22/05/24																						
194	Form WWO Part IV Submission	0 days	08/04/24	08/04/24																						
195	WSD inpection	15 days	08/04/24	22/04/24																						
196	WSD collection of Water sample	15 days	23/04/24	07/05/24																						
197	Issuance of water certificate	15 days	08/05/24	22/05/24																						
198	FSD inspection	50 days	14/11/24	03/01/25																						
199	Form 314 & 501 submission	0 days	14/11/24	14/11/24																						
200	FS inspection (FS system)	15 days	15/11/24	29/11/24																						
201	FS re-inspection	7 days	30/11/24	06/12/24																						
202	FSD - Form 172 (Fire Certificate)	28 days	07/12/24	03/01/25																						
203	BD inspection for OP	27 days	03/01/25	30/01/25																						
204		0 days	03/01/25	03/01/25																						
205	BD inspection	13 davs	04/01/25	16/01/25	- 1																					
206	BD rectification and re-inspection	14 days	17/01/25	30/01/25	-																					
207		0 days	30/01/25	30/01/25																						
208		457 days	01/07/24	01/10/25																						
209	Construction of shelter and fencing works at GT Interbus (I/B) Transformer Bay No. 3	90 days	01/07/24	28/09/24																						
210		0 days	01/10/25	01/10/25																						
211	Section B	1247 days	01/10/22	28/02/26		┝╋┝╸					 			_										 		_
	Section C	1461 days	01/07/22	30/06/26										_												
239		284 days	01/07/22	10/04/23																						
240		284 days	01/07/22	10/04/23	- 1																					
241	Preparation Works (UU checking/ Condition survey/		01/07/22	20/07/22																						
	Fence off)																									
242	Excavation (ELS)/ UU Diversion (if any)	60 days	21/07/22	18/09/22																						
243	Trench construction	180 days	04/09/22	02/03/23																						
244	Procurement & Delivery of Precast Trench Cover	60 days	01/01/23	02/03/23																						
245		39 days	03/03/23	10/04/23																						
246	Area H	184 days	01/10/22	02/04/23	1																					
247	Preparation Works (UU checking/ Condition survey/ Fence off)		01/10/22	20/10/22																						
248	Excavation (ELS)/ UU Diversion (if any)	60 days	21/10/22	19/12/22																						
249	Trench construction	90 days	30/11/22	27/02/23	1																					
250		60 days	29/12/22	27/02/23	- 1																					
251		34 days	28/02/23	02/04/23																						
252	Completion of Trenching works within Area A & H	0 days	10/04/23	10/04/23	- 1																					
253	C2: Trenching works (excluding BESS-3) within Area B		04/08/22	31/12/23																				 		-
254	Area B (BESS-2a)	150 days	04/08/22	31/12/22																						
Civil W	r Program of Contract No. 21-83005 Vorks for Reprovision of OCGT mana Island Power Station	ae 🔶		Summary  Manual Summary				rt-only ish-onl;	у	5		Critic Critic	al al Split				Progress	5			•					
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	Task Name	Duration	Start	Finish		Jun	e							July						1	August	* 4 10 *				- 1	
255	Preparation Works (UU checking/ Condition survey/	20 days	04/08/22	23/08/22	28	3/05	0	14/06	11	/06	18/	06	25/06		02/07	09/07		16/07	23/07	3	0/07	06/08		13/08	20/0	6	27/08
256	Fence off)	40.1	24/20/22	00.00.000																							
257	Excavation (ELS)	40 days	24/08/22	02/10/22																							
	Trench construction & Install Precast Trench Covers		03/10/22	26/11/22																							
258	Lay & compact sub-base (Temporary Ground Finishes)	35 days	27/11/22	31/12/22																							
259	Area B (excluding BESS-3)	214 days	01/06/23	31/12/23		<b>•</b>								-													_
260	Preparation Works (UU checking/ Condition survey/ Fence off )	25 days	01/06/23	25/06/23	٦ '	٩							1														
261	Excavation (ELS)/ UU Diversion (if any)	60 days	26/06/23	24/08/23									×													<b>-</b> 1	
262	Trench construction	99 days	05/08/23	11/11/23																	9						
263	Procurement & Delivery of Precast Trench Cover	60 days	12/09/23	11/11/23	-																						
264		50 days	12/11/23	31/12/23																							
265	Completion of Trenching works (excluding BESS-3) within Area B	0 days	31/12/23	31/12/23																							
266	C3: Trenching works within Area E & F	365 days	02/06/23	31/05/24		42				_		_		-									_				
267	Area E	183 days	02/06/23	01/12/23		4								-							_			_			
268	Preparation Works (UU checking/ Condition survey/ Fence off )		02/06/23	26/06/23		•							-														
269	Excavation (ELS)/ UU Diversion (if any)	60 davs	27/06/23	25/08/23									<u> </u>														
270	Trench construction	77 days	06/08/23	21/10/23																	9	_				_,	
271	Procurement & Delivery of Precast Trench Cover	60 days	22/08/23	21/10/23																							
272		41 days	22/08/23	01/12/23																							
273	Covers																										
274	Area F	183 days	01/12/23	31/05/24	_																						
	Preparation Works (UU checking/ Condition survey/ Fence off)		01/12/23	25/12/23		Τ																					
275	Excavation (ELS)/ UU Diversion (if any)	60 days	26/12/23	23/02/24																							
276	Trench construction	77 days	04/02/24	20/04/24	_																						
277	Procurement & Delivery of Precast Trench Cover	60 days	20/02/24	20/04/24																							
278	Covers	41 days	21/04/24	31/05/24																							
279	Completion of Trenching works within Area E & F	0 days	31/05/24	31/05/24																							
280	Area D1	182 days	01/12/23	31/05/24																							
281	Preparation Works (UU/ Condition survey)	25 days	01/12/23	25/12/23																							
282	Excavation (ELS)/ UU Diversion (if any)	60 days	26/12/23	23/02/24																							
283	Trench construction	70 days	04/02/24	13/04/24																							
284	Procurement & Delivery of Precast Trench Cover	60 days	13/02/24	13/04/24																							
285		30 days	14/04/24	13/05/24																							
286	Completion of Trenching works within Area D1	0 days	31/05/24	31/05/24																							
287	C4: Trenching works within Area G	183 days	01/04/25	30/09/25																							
288		20 days	01/04/25	20/04/25																							
289		70 days	21/04/25	29/06/25																							
290	Trench construction	83 days	10/06/25	31/08/25																							
291		60 days	02/07/25	31/08/25																							
ivil W	rr Program of Contract No. 21-83005 Vorks for Reprovision of OCGT ma Island Power Station	me 🗣		Summary Manual Summary		_		urt-only tish-only		с Э			Critical Critical Spli	it i			Progr	835	_		-						
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8 20/06 2



Dia None       Dation       None	KE LPS OCGT Re-Provision									
21       Demolition of HRSG7       339.5 days       Fri 22/11/04       Sat 23/10/21         66       Removal of Modules - Boiler Internal - 5 Stages       156.88 days       Wed 23/02/01       Thu 23/07/13         75       HP Evap. 1/2 - Cut and lower to ground level - Total weight T123 - EL - 11 days       Thu 23/06/01       Mon 23/06/12         74       HP 2 - Cut and lower to ground level - Total weight T123 - EL - 11 days       Thu 23/06/02       Mon 23/06/12         74       HP 2 - Cut and lower to ground level - Total weight T112 - EL + 18100       10 days       Mon 23/06/12         75       LP 1/2 - Cut and lower to ground level - Total weight T112 - EL + 205(10 days       Thu 23/06/22       Mon 23/06/12         75       LP 1/2 - Cut and lower to ground level - Total weight T112 - EL + 000 days       Thu 23/06/21       Thu 23/06/22         75       LP 1/2 - Cut and lower to ground level - Total weight T112 - EL + 000 days       Thu 23/06/21       Thu 23/06/23         75       LP 1/2 - Cut and lower to ground level - Total weight T112 - EL + 000 days       Thu 23/06/21       Manal Smmark         75       LP 1/2 - Cut and lower to ground level - Total weight T112 - EL + 000 days       Thu 23/06/22       Manal Smmark         76       Manal Smmark       Manal Smmark       Manal Smmark       Progres         76       Manal Smmark       Manal Smmark       M	Task Nane	Duration	IStart	TFinish	2022	2023	2024	2025	2026	2027
73       HP Evap. 1/2 - Cut and lower to ground level – Total weight T123 – EL       11 days       Thu 23/06/01       Mon 23/06/12         74       HP 2 - Cut and lower to ground level – Total weight T112 – EL +18100       10 days       Mon 23/06/12       Thu 23/06/22         75       LP 1/2 - Cut and lower to ground level – Total weight T112 – EL +2035(10 days       Thu 23/06/22       Mon 23/07/03         Toisk       Inscive Task         roject: KEM-HKE-OCGT_Reprov       Sifit       Inscive Summary       Dealine         Minaul Summary       Surt-with       Baseline       Manaul Progress         Surt-with       Manaul Task       Fraid-widely       Baseline       Manaul Progress										
73       HP Evap. 1/2 - Cut and lower to ground level – Total weight T123 – EL       11 days       Thu 23/06/01       Mon 23/06/12         74       HP 2 - Cut and lower to ground level – Total weight T112 – EL +18100       10 days       Mon 23/06/12       Thu 23/06/22         75       LP 1/2 - Cut and lower to ground level – Total weight T112 – EL +2035(10 days       Thu 23/06/22       Mon 23/07/03         Toisk       Inscive Task         roject: KEM-HKE-OCGT_Reprov       Sifit       Inscive Summary       Dealine         Minaul Summary       Surt-with       Baseline       Manaul Progress         Surt-with       Manaul Task       Fraid-widely       Baseline       Manaul Progress										
74     HP 2 - Cut and lower to ground level - Total weight T112 - EL +18100     10 days     Mon 23/06/12     Thu 23/06/22       75     LP 1/2 - Cut and lower to ground level - Total weight T112 - EL +2035(10 days     Thu 23/06/22     Mon 23/07/03     Image: State of the										
roject: KEM-HKE-OCGT_Reprov Milestone  Minestone  Manual Task Minestone  Minestone  Manual Task Minestone  Minestone  Minestone  Manual Task Minestone  Minest	68 Removal of Modules – Boiler Internal – 5 Stages	156.88 days	Wed 23/02/01	Thu 23/07/13		•++•				
	73         HP Evap. 1/2 - Cut and lower to ground level – Total weight T123 –           74         HP 2 – Cut and lower to ground level – Total weight T112 – EL +183	EL -11 days 100 10 days	Thu 23/06/01 Mon 23/06/12	Mon 23/06/12 Thu 23/06/22						

	.PS OCGT Re-Provision										
D	Task Name	Duration	Start	Finish	2022	2023		2024	2025	2026	2027
76	HP/L Eco - Cut and lower to ground level - Total weight T60 - EL +226		Mon 23/07/03	Thu 23/07/13		10000	6	12027	10000	Lenco	12027
77		26.5 days	Thu 23/07/13	Wed 23/08/09			0				
78	Flame cutting to remove side-bottom casing below HRSG 7 - EL +1000		Thu 23/07/13	Fri 23/07/28			ΓŤ.				
79	- EL +1300		5 : 22 /27 /20				1 <del>+</del>				
79	Flame cutting to remove duct between HRSG & Non Metalic Expansion Joint – EL +1000 – EL+13000	9 days	Fri 23/07/28	Mon 23/08/07			1				
80	Remove Non Metalic Expansion Joint	9 days	Tue 23/08/01	Wed 23/08/09			1 5				
92	Demolition of HRSG5	190 days	Thu 23/02/23	Fri 23/09/08		🕇	<b>-</b>				
96	Set Up of 250T Crawler Crane	14 days	Fri 23/06/02	Sat 23/06/17		I	τ.				
97			Sat 23/06/17	Sat 23/06/17			\$ 06/17				
98		0 days					1001				
99		76 days	Sat 23/06/17	Mon 23/09/04			÷.				
100		4 days	Sat 23/06/17	Wed 23/06/21			- <del>}</del>				
100		6 days	Wed 23/06/21	Wed 23/06/28			- <b>₽</b>				
		20 days	Wed 23/06/28	Tue 23/07/18			مريدوريد. مريدوريد				
102		20 days	Tue 23/07/18	Tue 23/08/08			- <b>P</b>				
103		10 days	Tue 23/08/08	Fri 23/08/18			- 1 <u>5</u> -1				
104		5 days	Fri 23/08/18	Wed 23/08/23			- <u>5</u>				
105		11 days	Thu 23/08/24	Mon 23/09/04			r				
106		26 days	Sat 23/06/17	Fri 23/07/14			ų į				
107	Remove roof structure & cladding to allow access to Top of Hot Beams – EL +24763 – EL +29300	26 days	Sat 23/06/17	Fri 23/07/14			ħ				
108	Removal of Modules – Boiler Internal – 5 Stages	54 days	Fri 23/07/14	Fri 23/09/08							
109	Setup the Secondary beam structural frame	14 days	Fri 23/07/14	Fri 23/07/28			K.				
110		10 days	Fri 23/07/28	Tue 23/08/08			r				
111	HP /1RY – HP / 2RY Eco – Cut and lower to ground level – Total weight T64,2 – EL +13100	9 days	Fri 23/07/14	Mon 23/07/24							
	HP Evap. 1/2 - Cut and lower to ground level – Total weight T123 – EL	9 days	Mon 23/07/24	Wed 23/08/02			6				
112	HP 2 – Cut and lower to ground level – Total weight T112 – EL +18100		Wed 23/08/02	Fri 23/08/11			and a second				
112			Fri 23/08/11	Mon 23/08/21			K I				
	LP 1/2 - Cut and lower to ground level – Total weight T112 – EL +2035		Mon 23/08/21	Wed 23/08/30			Γ,				
113	LP 1/2 - Cut and lower to ground level – Total weight T112 – EL +2035 HP/L Eco – Cut and lower to ground level – Total weight T60 – EL +226	Judys									
113 114	HP/L Eco – Cut and lower to ground level – Total weight T60 – EL +226	Juays	Manual Summer Delle		Enternal Milanterro	<u>ه</u>		Progenetic			
113 114 115	HP/L Eco - Cut and lower to ground level - Total weight T60 - EL +226	Juays	Manual Summary Rollup		External Milestone			Progress Manual Deserves			
113 114 115 Projec	HP/L Eco – Cut and lower to ground level – Total weight T60 – EL +226		Manual Summary		Deadline	۵ ا		Progress Manual Progress			
113 114 115 Projec	HP/L Eco – Cut and lower to ground level – Total weight T60 – EL +226       Task     Inactive Task       Split     Inactive Task       Milestone     Inactive Summary		Manual Summary Start-only		Deadline Baseline	•				_	
113 114 115 Projec	HP/L Eco – Cut and lower to ground level – Total weight T60 – EL +226		Manual Summary	3	Deadline	•			_	_	

Ta				250 J A								
16 1	k Name	Duration	Start	Finish	2022	2023	11.001	12024	2025	2026	202	7
7	Removal of Gas outlet Duct (GT exhaust)	34 days	Sat 23/06/17	Sat 23/07/22	1		rtal I					
18	Flame cutting to remove side-bottom casing below HRSG 5 - EL +1000		Sat 23/06/17	Fri 23/06/23	-		t l					
	- EL +1300	o days	54(25)(00)(1)	11123/00/23								
19	Flame cutting to remove duct between HRSG & Non Metalic	2 days	Fri 23/06/23	Mon 23/06/26			6					
	Expansion Joint – EL +1000 – EL+13000				_		1					
20	· · · · · · · · · · · · · · · · · · ·	2 days	Thu 23/07/20	Sat 23/07/22								
21		18 days	Fri 23/07/14	Wed 23/08/02	_							
22		10 days	Fri 23/07/14	Tue 23/07/25	_		51					
3	Remove Non-Metallic Expansion Joint & Support - EL+26763 – EL +293		Tue 23/07/25	Thu 23/07/27	_		1 I					
24	-	5 days	Thu 23/07/27	Wed 23/08/02	_		T I					
25		27 days	Thu 23/07/27	Thu 23/08/24	_		1					
6	· · · · · · · · · · · · · · · · · · ·	6 days	Thu 23/07/27	Thu 23/08/03			51					
7		3 days	Thu 23/08/03	Sat 23/08/05	_							
8		6 days	Sat 23/08/05	Sat 23/08/12			51					
9		6 days	Sat 23/08/12	Fri 23/08/18			51					
30	Remove LP Steam Drum – 7323(KG)	3 days	Fri 23/08/18	Tue 23/08/22			- 61					
31	Remove Platforms steel structures – EL +24800	3 days	Tue 23/08/22	Thu 23/08/24			- M					
13	Demolition of GT7	98.88 days	Sat 23/02/18	Wed 23/05/31								
150	Demolition of GT5	169.75 days	Wed 23/04/26	Thu 23/10/19		1 1	; <b></b> 1					
155	Scaffold Erection	10 days	Fri 23/05/26	Tue 23/06/06			;1 }					
155	Scaffold Erection Asbestos removal work (Turbine coating)	10 days 21 days	Fri 23/05/26 Tue 23/06/06	Tue 23/06/06 Wed 23/06/28			¥					
155 155 156	Scaffold Erection Asbestos removal work (Turbine coating) Set Up Mobile Gantry Crane	10 days	Fri 23/05/26 Tue 23/06/06 Wed 23/05/31	Tue 23/06/06 Wed 23/06/28 Wed 23/06/21								
155	Scaffold Erection Asbestos removal work (Turbine coating) Set Up Mobile Gantry Crane	10 days 21 days 20 days	Fri 23/05/26 Tue 23/06/06 Wed 23/05/31 Manaal Sammary Rollap	Tue 23/06/06 Wed 23/06/28 Wed 23/06/21	ternal Milestone	\$	¥	Progress				
155 156 157	Scaffold Erection Asbestos removal work (Turbine coating) Set Up Mobile Gantry Crane	10 days 21 days 20 days	Fri 23/05/26 Tue 23/06/06 Wed 23/05/31 Manual Summary Rollap Manual Summary	Tue 23/06/06 Wed 23/06/28 Wed 23/06/21	radline		¥	Progress Manual Progress				
155 156 157 roject: K	Scaffold Erection Asbestos removal work (Turbine coating) Set Up Mobile Gantry Crane Task Inactive Task Exh-HKE-OCGT_Rcprov Split Inactive Summary I Milestone Inactive Summary I	10 days 21 days 20 days	Fri 23/05/26 Tue 23/06/06 Wed 23/05/31 Manual Sammary Rollup Manual Sammary Start-only	Tue 23/06/06 Wed 23/06/28 Wed 23/06/21	radline seline	*	¥					
55 56 57 0ject: K	Scaffold Erection Asbestos removal work (Turbine coating) Set Up Mobile Gantry Crane EM-HKE-OCGT_Reprov I 23/03/27 I 23/03/27	10 days 21 days 20 days	Fri 23/05/26 Tue 23/06/06 Wed 23/05/31 Mansal Summary Rollup Mansal Summary Start-only Finish-only	Tue 23/06/06 Wed 23/06/28 Wed 23/06/21 E B B B B	radline seline seline Milestone	\$	¥					
55 56 57 0ject: K	Scaffold Erection Asbestos removal work (Turbine coating) Set Up Mobile Gantry Crane Task Inactive Task Exh-HKE-OCGT_Rcprov Split Inactive Summary I Milestone Inactive Summary I	10 days 21 days 20 days	Fri 23/05/26 Tue 23/06/06 Wed 23/05/31 Manual Sammary Rollup Manual Sammary Start-only	Tue 23/06/06 Wed 23/06/28 Wed 23/06/21 E B B B B	radline seline	*	¥					

HKE LPS OCGT Re-Pro	vision									
ID Task Name		Duration	Start	Finish	2022	2023	2024	2025	2026	2027
	ad Test on Gantry Crane	5 days	Wed 23/06/21	Tue 23/06/27		<u>í</u>				
	ntry Crane Ready for Use	0 days	Tue 23/06/27	Tue 23/06/27		¥ 067	27			
160 Dis	connect the Pipe and Associated Equipment from transfomer	10 days	Tue 23/06/27	Thu 23/07/06						
161 Lift	and Move the transfomer from GT Foundation to the Transporter	5 days	Fri 23/07/07	Wed 23/07/12		d and				
162 Dis	connect the Pipe and Associated Equipment from Generator	14 days	Wed 23/07/12	Wed 23/07/26		5				
163 Lift	and Move the Generator from GT Foundation to the Transporter	12 days	Wed 23/07/26	Tue 23/08/08						
164 Dis	connect the Pipe and Associated Equipment from Gas Turbine	14 days	Wed 23/07/26	Thu 23/08/10		1				
	and Move the Gas Turbine from GT Foundation to the Transporter	12 days	Thu 23/08/10	Tue 23/08/22						
166 Dis	connect the Pipe and Associated Equipment from Gas Exhaust Duct	14 days	Thu 23/08/10	Thu 23/08/24		5				
	and Move the Gas Exhaust Duct to the Transporter	24 days	Thu 23/08/24	Tue 23/09/19						
188 GTAB PI	ant Equipment Demolition	417.63 days	Tue 22/08/30	Mon 23/11/06		+ +	1			
-										
-										
-										
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t										
	Task Inactive Task		Manual Summary Rollup	E	tternal Milestone	\$	Progress		_	
Desirate VEM LIFE OF	A IN A REAL AND A	<u>ه</u>	Manual Summary		radline		Manual Progress			
Project: KEM-HKE-O0 Date: Mon 23/03/27	Milestone  Milestone	i – – – – – – – – – – – – – – – – – – –	Start-only		seline					
LARC. MOI 25/05/27	Summary Manual Task		Finish-only		seline Milestone	<u> </u>				
	Project Summary Duration-only		External Tasks		seline Summary					
	1		Pag	: 5						

HKE LPS OCGT Re-Provision												
ID Task Name				Duration	Start	Finish	2022	2023	2024	2025	2026	2027
258 Demolition of GTA	Transformer			40 days	Sat 23/07/01	Fri 23/08/11			1			
Demolition of GTA	b transformer			40 days	5at 25/07/01	FT 25/06/11						
	Task				Manual Summary Rollu		External Milestone	\$	Progress		_	
Project: KEM-HKE-OCGT_Reprov Date: Mon 23/03/27	Split Milestone	<b>\$</b>	Inactive Milestone Inactive Summary	° – – – –	Manual Summary Start-only		Deadline Baseline	•	Manual Progress			
LAUC. MOIL 25/05/27	Summary		Manual Task		Finish-only	3	Baseline Milestone	Ŷ				
	Project Summary		Duration-only		External Tasks Pag	te 7	Baseline Summary					
					ray	pe 1						

# Appendix C Summary of EMIS

EM&A Log Ref.	Recommended Mitigation Measures	Implementation Status
	AIR QUALITY	
EM&A: S2	Impervious sheet will be provided for skip hoist for material transport.	Complied
EM&A: S2	The area where dusty work takes place should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after dusty activities as far as practicable.	Complied
EM&A: S2	All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation.	Complied
EM&A: S2	Dropping heights for excavated materials should be controlled to a practical height to minimise the fugitive dust arising from unloading.	Complied
EM&A: S2	During transportation by truck, materials should not be loaded to a level higher than the side and tail boards, and should be dampened or covered before transport.	Complied
EM&A: S2	Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets or sprayed with water to maintain the entire surface wet all the time.	Complied
EM&A: S2	Stockpiles of more than 20 bags of cement, dry pulverised fuel ash and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3-sides.	Complied
EM&A: S2	All exposed areas will be kept wet always to minimise dust emission.	Complied
EM&A: S2	Ultra-low-sulphur diesel (ULSD) will be used for all construction plant on-site, as defined as diesel fuel containing not more than 0.005% sulphur by weight) as stipulated in Environment, Transport and Works Bureau Technical Circular (ETWB-TC(W)) No 19/2005 on Environmental Management on Construction Sites.	Complied
EM&A: S2	The engine of the construction equipment during idling will be switched off.	Complied
EM&A: S2	Regular maintenance of construction equipment deployed on-site will be conducted to prevent black smoke emission.	Complied
EM&A: S2	All marine vessels fuelled in Hong Kong will operate using marine light diesel with Sulphur content lower than 0.05%.	Complied
EM&A: S2	NRMMs, e.g. mobile generator and air compressor, will comply with the prescribed emission standards with a proper label approved by EPD.	Complied
EM&A: S2	Electric power supply for on-site machinery will be provided as far as practicable for construction activities.	Complied
EM&A: S2	To ensure proper implementation of the recommended dust mitigation measures and good construction site practices during the decommissioning/ demolition/ construction phases, environmental site audits on weekly basis is recommended throughout the construction period.	Complied

# Table C.1 Mitigation Measures and their Implementation in the Reporting Month

EM&A Log Ref.	Recommended Mitigation Measures	Implementation Status
APCO	Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving construction site.	Complied
	NOISE	
EM&A: S3	Machines and construction plant that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	Complied
EM&A: S3	Only well-maintained construction plant should be operated on-site and should be serviced regularly.	Complied
NCO	Valid construction noise permits, if required, are available for inspection.	Complied
NCO	Conditions of construction noise permits, if any, for the relevant part(s) of the works are implemented accordingly.	Complied
NCO	Valid noise emission labels are fixed at air compressors and hand held percussive breakers.	Complied
	WATER QUALITY	
EM&A: S4	Wastewater, chemical waste and effluent from cleaning of existing OCGTs would be collected, stored for proper disposal by licensed contractor.	Not applicable at this stage
EM&A: S4	Silt removal facilities such as silt traps or sedimentation facilities will be provided where necessary to remove silt particles from runoff to meet the requirements of the TM standard under the WPCO. The design of silt removal facilities will be based on the guidelines provided in ProPECC PN 1/94. All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit will be removed regularly.	Not applicable at this stage
EM&A: S4	Appropriate surface drainage will be designed and provided, where necessary.	Not applicable at this stage
EM&A: S4	The precautions to be taken at any time of year when rainstorms are likely together with the actions to be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94.	Not applicable at this stage
EM&A: S4	Oil interceptors will be provided in the drainage system where necessary and regularly emptied to prevent the release of oil and grease into the stormwater drainage system after accidental spillages.	Not applicable at this stage
EM&A: S4	Temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge, if any, will be adequately designed for the controlled release of storm flows.	Not applicable at this stage
EM&A: S4	The temporary diverted drainage, if any, will be reinstated to the original condition when the construction work has finished or when the temporary diversion is no longer required.	Not applicable at this stage
EM&A: S4	Appropriate numbers of portable toilets shall be provided by a licensed contractor where necessary to serve the construction workers over the construction site to prevent direct disposal of sewage into the water environment.	Complied
EM&A: S4	To ensure proper implementation of the recommended water quality mitigation measures and good construction site practices during the decommissioning/ demolition, and construction phases, environmental	Complied

EM&A Log Ref.	Recommended Mitigation Measures	Implementation Status			
	site audits on weekly basis is recommended throughout the construction period.				
	WASTE MANAGEMENT				
EM&A: S5	The contractor(s) must ensure that all the necessary waste disposal licences are obtained prior to the commencement of the decommissioning/ demolition and construction works.	Complied			
EM&A: S5	The contractor will open a billing account with EPD in accordance with the Waste Disposal (Charges for Disposal of Construction Waste)ComplRegulation for the payment of disposal charges.				
EM&A: S5	A trip-ticket system will be established in accordance with DEVB TC(W) No. 6/2010 to monitor the reuse of surplus excavated materials off-site and disposal of construction waste and general refuse at transfer facilities/ landfills, and to control fly-tipping.	Complied			
EM&A: S5	A WMP as stated in the PNAP ADV-19 for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established and implemented during the construction phase as part of the Environmental Management Plan (EMP). The Contractor will be required to prepare the EMP and submits it to the Architect/ Engineer under the Contract for approval prior to implementation.	Complied			
EM&A: S5	C&D materials will be segregated on-site into public fill and construction waste and stored in different containers or skips to facilitate reuse of the public fill and proper disposal of the construction waste. Specific areas of the Site will be designated for such segregation and storage if immediate use is not practicable. Prefabrication will be adopted as far as practicable to reduce the construction waste arisings.	Complied			
EM&A: S5	The contractor(s) will register as a chemical waste producer with the EPD. Chemical waste will be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes.	Complied			
EM&A: S5	<ul> <li>Containers used for storage of chemical wastes will:</li> <li>Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> <li>Have a capacity of less than 450 L unless the specifications have been approved by the EPD; and</li> <li>Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.</li> </ul>	Complied			
EM&A: S5	<ul> <li>The storage area for chemical wastes will:</li> <li>Be clearly labelled and used solely for the storage of chemical waste;</li> <li>Be enclosed on at least 3 sides;</li> <li>Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest;</li> <li>Have adequate ventilation;</li> <li>Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and</li> <li>Be arranged so that incompatible materials are appropriately separated.</li> </ul>	Complied			
EM&A: S5	<ul><li>Chemical waste will be disposed of:</li><li>Via a licensed chemical waste collector; and</li></ul>	Complied			

EM&A Log Ref.	Recommended Mitigation Measures	Implementation Status
	• To a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers.	
EM&A: S5	General refuse will be stored in enclosed bins separately from construction and chemical wastes. The general refuse will be delivered separately from construction and chemical wastes for offsite disposal on a daily basis to reduce odour, pest and litter impacts.	Complied
EM&A: S5	Recycling bins will be provided at strategic locations within the Project Site to facilitate recovery of recyclable materials (including aluminium cans, waste papers, glass bottles and plastic bottles, etc.). Materials recovered will be sold for recycling.	Not applicable at this stage
EM&A: S5	To avoid any odour and litter impact, appropriate number of portable toilets will be provided for workers on-site where appropriate.	Not applicable at this stage
EM&A: S5	At the commencement of the decommissioning/demolition and construction works, training will be provided to workers on the concepts of site cleanliness and on appropriate waste management procedures, including waste reduction, reuse and recycling.	Complied
EM&A: S5	General refuse and non-recyclables will be stored in enclosed bins and collected by existing waste management contractor at Lamma Power Station for disposal at the landfills on a daily basis for avoidance of pest and odour nuisance.	Complied
EM&A: S5	Recycling bins for recyclable materials (including aluminium cans, waste papers, glass bottles and plastic bottles) will be placed at the site office and transported off- site for recycling on a regular basis.	Complied
EM&A: S5	It is recommended that weekly audits of the waste management practices be carried out during the decommissioning/demolition, and construction phases to determine if wastes are being managed in accordance with the recommended good site practices and WMP. The audits will investigate all aspects of waste management including waste generation, storage, handling, recycling, transportation and disposal.	Complied
	LAND CONTAMINATION	
EM&A: S6	During the demolition stage, a Land Contamination Specialist shall oversee the removal / demolition activities and record any new visual signs of potential contamination such as oil leakage or oil stains. The Land Contamination Specialist shall also review the need of additional sampling to capture potential contamination observed during the demolition stage.	Complied
EM&A: S6	SI and sampling shall be carried out when the proposed sampling locations are available after the demolition stage.	Complied
EM&A: S6	Soil and groundwater sampling works will be supervised by a Land Contamination Specialist.	Complied
EM&A: S6	Prior to commencement of demolition works in the Project site, the leftover diesel or other petroleum products in the equipment to be demolished shall be removed as much as possible. The removed diesel or other petroleum products will be reused as far as practicable. The removed diesel and other petroleum products, which cannot be reused are considered as chemical waste and are controlled under the Waste Disposal (Chemical Waste)(General) Regulation. The demolition contractor who will generate the chemical waste or cause it to be	Complied

EM&A Log Ref.		Implementation Status
	produced should register with the EPD as a chemical waste producer. Removed diesel and petroleum products shall be labelled and stored in accordance with the requirement stipulated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes issued by EPD. The removed petrol and petroleum products are required to be collected by licensed chemical waste collector for disposal. Trip tickets system shall be implemented during the collection and disposal of removed petrol and diesel.	
EM&A: S6	<ul> <li>During demolition and construction phases, the following good housekeeping practices shall be implemented to ensure that risk of ground contamination as a result of oil spills or leaks is kept to a practical minimum:</li> <li>Regular visual inspections to detect any early signs of fuel leakage prior to demolition;</li> <li>Provision of impermeable lining or absorbent materials to contain leaks;</li> <li>Provision of secondary containment for the temporary storage of removed diesel or petroleum products, demolished structures and pipes; and</li> <li>Provision of spill control materials and equipment</li> </ul>	Complied
EM&A: S6	To ensure proper implementation of the good housekeeping practices, weekly site inspections should be carried out during the decommissioning/demolition, and construction phases of the Project.	Complied

# Remarks:

APCO:	Air Pollution Control Ordinance
EM&A:	EM&A Manual
NCO:	Noise Control Ordinance

# Appendix D Summary of Site Audit Findings or Recommendation

#### Civil contractor

Dates of Inspection: 02/05/2023, 09/05/2023, 16/05/2023, 23/05/2023 and 30/05/2023

# Summary of Findings or Recommendation

#### Air Quality

- No environmental deficiency identified.

#### Noise

– No environmental deficiency identified.

#### Water Quality

- No environmental deficiency identified.

#### Waste Management

- No environmental deficiency identified.

# Land Contamination

- No environmental deficiency identified.

# E&M contractor

Dates of Inspection: 05/05/2023, 12/05/2023, 19/05/2023 and 23/05/2023

#### Summary of Findings or Recommendation

#### Air Quality

- No environmental deficiency identified.

#### Noise

- No environmental deficiency identified.

## Water Quality

- No environmental deficiency identified.

#### Waste Management

- No environmental deficiency identified.

# Land Contamination

- No environmental deficiency identified.

# Appendix E

# Monthly Waste Flow Table for May 2023

#### Appendix E1 Monthly Waste Flow Table for May 2023 (Civil Contractor)

Monthly Waste Flow Table for May 2023

Project: Civil Works for Re-Provision of Open Cycle Gas Turbine at Lamma Power Station

Contractor: Paul Y. Construction Company, Limited

Record by: Ben Lam

Year of Record: 2022, 2023

MM.YYYY	Actual Quantities of Inert C&D Materials Generated Monthly									al Quantitie	ntities of Non-inert C&D Materials Generated Monthly					
	Excavated Materials				Non-	excavated Ma										
	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar / metal strip) <sup>(1)</sup>	Metals (aluminum can) <sup>(1)</sup>	Paper / cardboard packaging <sup>(1)</sup>	Plastics (1) & (4)	Chemical waste (wasted lubricant oil/oil container)	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse	
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000L)	(in '000kg)	(in '000kg)	
Jul 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Aug 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sep 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Oct 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nov 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dec 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.21	
Jan 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72	
Feb 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.32	
Mar 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00	0.00	0.00	
Apr 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.37	
May 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07	
															<u> </u>	
	<u> </u>															
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00	0.00	32.69	

Total Inert C&D Waste Materials	Non-inert C&D Materials							
Generated	C&D Materials Recycled	C&D Waste Disposed of at Landfill	Chemical Waste					
0.00 tonnes	6.26 tonnes	32.69 tonnes	0.00 tonnes					

- Where
   (A)
   Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total,
   0.00
   tonnes of inert C&D material

   were generated from the Project, of which
   0.00
   tonnes were reused in this and other contracts, and the remaining
   0.00
   tonnes were disposed as public fill to Fill Banks / Sorting Facilities.
  - (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill
  - (c) 0 kg of metals 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers for recycling during the reporting period.

(d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.

 Notes:
 (1) metal, paper & plastic were collected by recycler

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

 (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
 (5) Broken concrete for recycling into aggregates.

(6) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

#### Appendix E2 Monthly Waste Flow Table for May 2023 (E&M Contractor)

#### Monthly Waste Flow Table for May 2023

Project: Contractor: Record by: Year of Record: C/N 22 23001 Lamma Reprovision of OCGT Demolition & Erection Work Kum Shing Xavier Chan 2023

MM.YYYY		Actual Q	uantities o	f Inert C&E	Materials	Generate	d Monthly		Actual	Quantities	of Non-in	ert C&D Ma	aterials Ge	nerated Mon	thly
	Excav	ated Mater	ials	Non-excavated Materials											
	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Constructi on Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar/ metal strip)	Metals (aluminum can)	Paper / cardboard packaging	Plastics	Chemical waste (wasted lubricant oil/oil container)	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse
	1.20 Accession	(in '000kg)				1000 - 1000 - 100 - 100		(in '000kg)				(in '000kg)		(in '000kg)	(in '000kg)
十月-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
十一月-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
十二月-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
一月-23	0	0	0	0	0	0	0	0	103.24	0	0	0	36	0	19.53
二月-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66.53
三月-23	0	0	0	0	0	0	0	0	150.45	0	0	0	0	0	63.12
四月-23	0	0	0	0	0	0	0	9.05	26.19	0	0	0	41.8	0	93.29
五月-23	0	0	0	0	0	0	0	0	0	0	0	0	30	0	54.68
Total	0	0	0	0	0	0	0	9.05	279.88	0	0	0	107.8	0	297.15

Total Inert C&D Waste Materials	Non-inert C&D Materials
Generated	C&D Materials C&D Waste Recycled Disposed of at Chemical Waste
9.05 tonnes	279.88 tonnes 297.15 tonnes 107.80 kilo litre

Where

 (A) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total,
 9.05
 tonnes of inert C&D material

 were generated from the Project, of which
 0.00
 tonnes were reused in this and other contracts, and the remaining

 9.05
 tonnes were disposed as public fill to Fill Banks / Sorting Facilities.

(B) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.

(C) 279880 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers for recycling during the reporting period.

(D) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.

Notes:

(1) metal, paper & plastic were collected by recycler (2) The performance target of waste recycling are specified in the Contract.

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

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

(5) Broken concrete for recycling into aggregates.

(6) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.