Submarine Cable for the Development of the Integrated Waste Management Facilities Phase 1 (for Cable Jointing Works at Land-section)

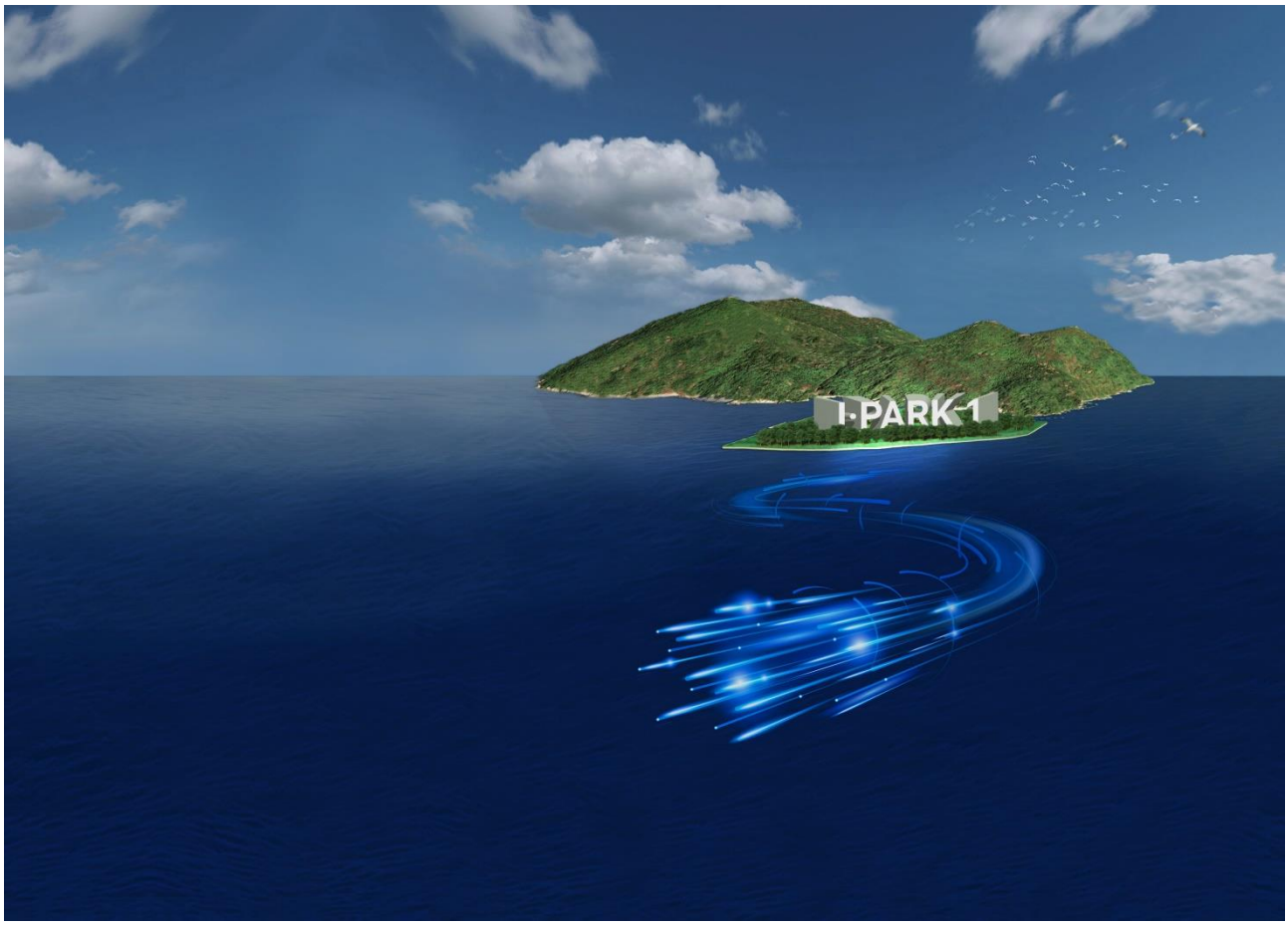
Monthly EM&A Report No.5

PREPARED FOR

CLP Power Hong Kong Limited

DATE
7 April 2025

REFERENCE
0691230



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Submarine Cable for the Development of the Integrated Waste Management Facilities Phase 1 (for Cable Jointing Works at Land-section) Environmental Certification Sheet FEP-02/429/2012/B

Reference Document/Plan

Document/~~Plan~~ to be ~~Certified~~/ Verified:	EM&A Report No.5
Date of Report:	07 April 2025
Date prepared by ET:	07 April 2025
Date received by IEC:	07 April 2025

Reference EM&A Manual/ EP Requirement

EP Condition: Section 3.4

Content: *Monthly EM&A Report*

The ET Leader should prepare and submit EM&A Reports for construction stage of the Project within 2 weeks after the end of the reporting month.

ET Certification

I hereby certify that the above referenced document/~~plan~~ complies with the above referenced condition of FEP-02/429/2012/B.

Ms Mandy TO,
Environmental Team Leader:  Date: 07 April 2025

IEC Verification

I hereby verify that the above referenced document/~~plan~~ complies with the above referenced condition of FEP-02/429/2012/B.

Ms Lemon LAM,
Independent Environmental Checker:  Date: 07 April 2025

SIGNATURE PAGE

Submarine Cable for the Development of the Integrated Waste Management Facilities Phase 1 (for Cable Jointing Works at Land-section)

Monthly EM&A Report No.5

0691230

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CONTENTS

EXECUTIVE SUMMARY

The associated works for cable jointing at the land section at Upper Cheung Sha Beach (UCSB) for the Development of the Integrated Waste Management Facilities Phase 1, under Further Environmental Permit (FEP-02/429/2012/B), commenced on 17 February 2025, and all construction works were completed on 31 March 2025. All marine-based works were completed on 20 December 2023. As there were no marine works related to the cable jointing at UCSB, water quality monitoring and marine mammal exclusion zone monitoring are not required.

This is the 5th monthly Environmental Monitoring and Audit (EM&A) report, presenting the EM&A activities carried out during the period from 17 March 2025 to 31 March 2025, in accordance with the approved Updated EM&A Manual and FEP-02/429/2012/B.

SUMMARY OF THE CONSTRUCTION ACTIVITIES UNDERTAKEN DURING THE REPORTING PERIOD

The major construction activities undertaken during the reporting period include:

Land-based Works

- Cable Jointing Work
- Site Protection and Reinstatement
- Site clearance

ENVIRONMENTAL SITE INSPECTION

Joint weekly site inspections were conducted by representatives of the Contractor, CLP, and the Environmental Team (ET) on 20 and 27 March 2025. The representative of the IEC participated in the site inspections on 20 March 2025. Details of the audit findings are presented in **Section 2.1**.

ENVIRONMENTAL EXCEEDANCE / NON-CONFORMANCE / COMPLAINT / SUMMONS AND PROSECUTION

No non-compliance event was recorded during the reporting period.

No environmental complaint was received during the reporting period. The cumulative environmental complaint log is presented in **Appendix E**.

No summon/ successful prosecution was received during the reporting period.

REPORTING CHANGES

There was no reporting change in the reporting period.

FUTURE KEY ISSUES AND UPCOMING WORKS FOR THE NEXT REPORTING PERIOD

All the construction works of the Project were completed on 31 March 2025. The EM&A programme during construction phase was terminated on the same day of completion.

1. INTRODUCTION

1.1 BACKGROUND

The Environmental Protection Department (EPD) of the Government of the Hong Kong Special Administrative Region (HKSAR) proposed to construct the Integrated Waste Management Facilities (IWMF) Phase 1 on an artificial island near Shek Kwu Chau, south of Lantau Island for the purpose of treating municipal solid waste and generating electricity from the waste treatment process for its own use and export surplus electricity, if any, to the power grid.

The EIA Report (EIA-201/2011) was approved by the EPD on 17 January 2012 with the Environmental Permit (EP) of the Project issued on 19 January 2012 (EP-429/2012) and a variation of the EP on 14 October 2016 (EP-429/2012/A). A Further EP (FEP-01/429/2012/A) was granted to Keppel Seghers-Zhen Hua Joint Venture for the reclamation works and construction of the IWMF on 27 December 2017. Another latest Further EP (FEP-02/429/2012/B) was granted to CLP Power for the installation of the 132kV submarine cable circuits connecting Cheung Sha, South Lantau and Shek Kwu Chau Artificial Island on 25 May 2020. The proposed cable would land at the landing portal at Upper Cheung Sha Beach (UCSB). An Environmental Review Report (ERR) was prepared and approved to support the application of FEP-02/429/2012/B.

The Environmental Monitoring and Audit (EM&A) programme during the cable construction of the Project has been performed during the reporting period in accordance with the relevant EM&A requirements stipulated in the Updated EM&A Manual under FEP-02/429/2012/B. The construction of the cable jointing at the land section at UCSB commenced on 17 February 2025. The location of the cable jointing works is shown in **Appendix A**.

ERM-Hong Kong Limited (ERM) was appointed by the Permit Holder, CLP Power Hong Kong Limited (CLP Power) to undertake the Environmental Monitoring and Audit (EM&A) programme during the cable jointing at the land section of the submarine cable for the Development of the Integrated Waste Management Facilities Phase 1 (hereafter referred as the "Project").

All marine-based works were completed on 20 December 2023. As there are no marine works related to the cable jointing at Upper Cheung Sha Beach, water quality monitoring and marine mammal exclusion zone monitoring are not required.

All construction works of the Project were completed on 31 March 2025. The EM&A programme for construction phase was completed on the same day.

1.2 SCOPE OF THE EM&A REPORT

This is the 5th EM&A report which summarizes the key findings of the EM&A programme during the reporting period from **17 March 2025** to **31 March 2025** for the construction works in accordance with the Updated EM&A Manual and the requirements of FEP-02/429/2012/B.

1.3 ORGANISATION STRUCTURE

The organization structure for the construction works under FEP-02/429/2012/B and contact details are shown in **Appendix B**.

1.4 SUMMARY OF CONSTRUCTION PROGRAMME AND ACTIVITIES

A summary of the construction programme is presented in **Table 1.1**.

TABLE 1.1 SUMMARY OF CONSTRUCTION PROGRAMME

Construction Works	Period
Excavation work and erect Joint Bay scaffolding	17 Feb 2025 to 22 Feb 2025
Cable jointing work	24 Feb 2025 to 19 Mar 2025
Protection and reinstatement work	20 Mar 205 to 31 Mar 2025
Site clearance	31 Mar 2025

Note: Due to the humid weather at the beginning of March, the construction programme was delayed by two weeks.

A summary of major construction activities undertaken during the reporting period include:

Land-based Works

- Cable Jointing Work
- Site Protection and Reinstatement
- Site clearance

1.5 SUMMARY OF EM&A PROGRAMME REQUIREMENTS

A summary of the status of EM&A Programme for all environmental aspects required under the Updated EM&A Manual and FEP-02/429/2012/B are presented in **Table 1.2**. The requirements of relevant environmental monitoring, including monitoring parameters, Action and Limit Levels, Event and Action Plan(s), environmental mitigation measures, etc. are presented in *Section 2*.

TABLE 1.2 SUMMARY OF STATUS FOR THE EM&A PROGRAMME UNDER THE UPDATED EM&A MANUAL AND FEP-02/429/2012/B

EM&A Programme Requirements	Status
Environmental Site Inspection	
Regular Site Inspection	Completed on 31 March 2025.
Water Quality	
Baseline Monitoring	Completed. The Baseline Water Quality Monitoring Report was submitted on 24 August 2023 and EPD's approval was obtained on 19 October 2023.
Construction Phase Monitoring	Completed on 16 December 2023.
Post-Project Monitoring	Completed. The Post Project Monitoring Report was submitted on 21 February 2024 and EPD's no comment was obtained on 19 March 2024.
Ecology	

Marine Mammal Exclusion Zone Monitoring	Completed. Submarine cable installation using vessel and jetting machine was completed on 27 November 2023, and Marine Mammal Exclusion Zone Monitoring ended on the same day.

1.6 STATUS OF OTHER STATUTORY ENVIRONMENTAL REQUIREMENTS

A summary of the valid permits, licences, and/or notifications on environmental protection for the Project is presented in **Table 1.3**.

TABLE 1.3 SUMMARY OF THE STATUS OF VALID ENVIRONMENTAL LICENCE, NOTIFICATION, PERMIT AND DOCUMENTATIONS

Permit/ Licences/ Notificaiton	**Reference No.**	**Validity Period**	**Remarks**
Environmental Permit	EP-429/2012/A	Throughout the Contract	Permit granted on 19 January 2012
Further Environmental Permit	FEP-02/429/2012/B	Throughout the Contract	Permit granted on 17 January 2020
Construction Noise Permit	GW-RS0075-25	3 February 2025 – 30 April 2025	-
Billing Account for Disposal of Construction Waste	7052906	Throughout the Contract	-

2. EM&A RESULTS

2.1 ENVIRONMENTAL SITE INSPECTION

Joint weekly site inspections were conducted by representatives of the Contractor, CLP and ET on 20 and 27 March 2025 at the landing point at UCSB. The representative of Independent Environmental Checker (IEC) joined the site inspection on 20 March 2025. No non-compliance was recorded during the site inspections. Key findings and recommendations for the site inspections in this reporting month are summarized in **Table 2.1**.

TABLE 2.1 KEY FINDINGS AND RECOMMENDATIONS FROM SITE INSPECTIONS AND CONTRACTOR'S FOLLOW-UP ACTIONS

Site Inspection Date	Findings and recommendations	Contractor's Follow-up Action(s) Taken
20 March 2025	There was no major observation during the site inspection.	N/A
27 March 2025	There was no major observation during the site inspection.	N/A

All follow-up actions requested by ET during the site inspections were undertaken as reported by the Contractor.

2.2 WASTE MANAGEMENT STATUS

The quantities of different types of waste generated are summarized in **Table 2.2**. The excavated sand material will be backfilled on site. No waste was generated during the reporting period. Detailed waste flow table is presented in **Appendix C**.

TABLE 2.2 QUANTITIES OF WASTE GENERATED UNDER FEP-02/429/2012/B

Reporting Period	Quantity					
	Inert C&D Materials (in '000 kg)	Non-inert C&D Materials				
		Chemical Waste (in '000 kg^3	General Refuse (in '000 kg)	Recycled Materials		
				Paper/ Cardboard Packaging (in '000 kg^3)	Plastics (in '000 kg^3)	Metals (in '000 kg^3)
17 Mar 2025 – 31 Mar 2025	4.53	0	0	0	0	0

2.3 IMPLEMENTATION STATUS OF THE ENVIRONMENTAL PROTECTION REQUIREMENTS

The Contractor has implemented all the environmental mitigation measures and requirements as stated in the approved EIA Report, ERR, approved Updated EM&A Manual and FEP-02/429/2012/B. The implementation status of the environmental mitigation measures during the reporting period is summarized in **Appendix D**.

2.4 SUMMARY OF EXCEEDANCE OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

No water quality monitoring and marine mammal exclusion zone monitoring was conducted during the reporting period.

Cumulative statistics on exceedance is provided in **Appendix E**.

2.5 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE, ENVIRONMENTAL COMPLAINT, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTION

No non-compliance event was recorded during the reporting period.

No environmental complaint was received during the reporting period.

The cumulative environmental complaint log is presented in **Appendix E**.

No summons/ successful prosecution was received during the reporting period. The cumulative summon/ prosecution log is presented in **Appendix E**.

3. UPCOMING WORKS FOR THE NEXT REPORTING PERIOD

3.1 CONSTRUCTION ACTIVITIES FOR THE NEXT REPORTING PERIOD

All the construction works of the Project were completed on 31 March 2025, and the site was handed back to Leisure and Cultural Services Department (LCSD) on the same date. Site photo taken on 31 March 2025 can be found in **Figure 1**. No construction works will be conducted in the upcoming month.

FIGURE 1 PHOTO TAKEN AT CABLE JOINTING WORK SITE ON 31 MARCH 2025

4. CONCLUSION

All the construction works of the Project were completed on 31 March 2025. This is the 5th Monthly EM&A Report presenting the key findings of the EM&A works undertaken during the reporting period from 17 March 2025 to 31 March 2025 in accordance with the approved Updated EM&A Manual and the requirements of Further Environmental Permit FEP-02/429/2012/B. Weekly environmental site inspections of the construction works and audit of the implementation of environmental mitigation measures were conducted by the ET during the reporting period.

There were no non-compliance event, environmental complaint and summon/ successful prosecution recorded during the reporting period.

The Contractor had implemented possible and feasible mitigation measures to mitigate the potential environmental impacts. The ET had kept track of the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

APPENDIX A LOCATION OF THE CABLE JOINTING WORKS AT UPPER CHEUNG SHA BEACH

Legend

- Cable Jointing Works Site
- R(C) Residential (Group C)
- G/IC Government, Institution or Community
- GB Green Belt
- CPA Coastal Protection Area

大嶼山
LANTAU ISLAND

GB

CABLE JOINTING WORKS SITE

Cheung Sha Substation

R(C)
Botanica Bay

G/IC

Existing Cable Route

CPA

Upper Cheung Sha Beach

SOUTH LANTAU ROAD

UPPER CHEUNG SHA BEACH

WELCOME BEACH

N
Metres
0 50 100

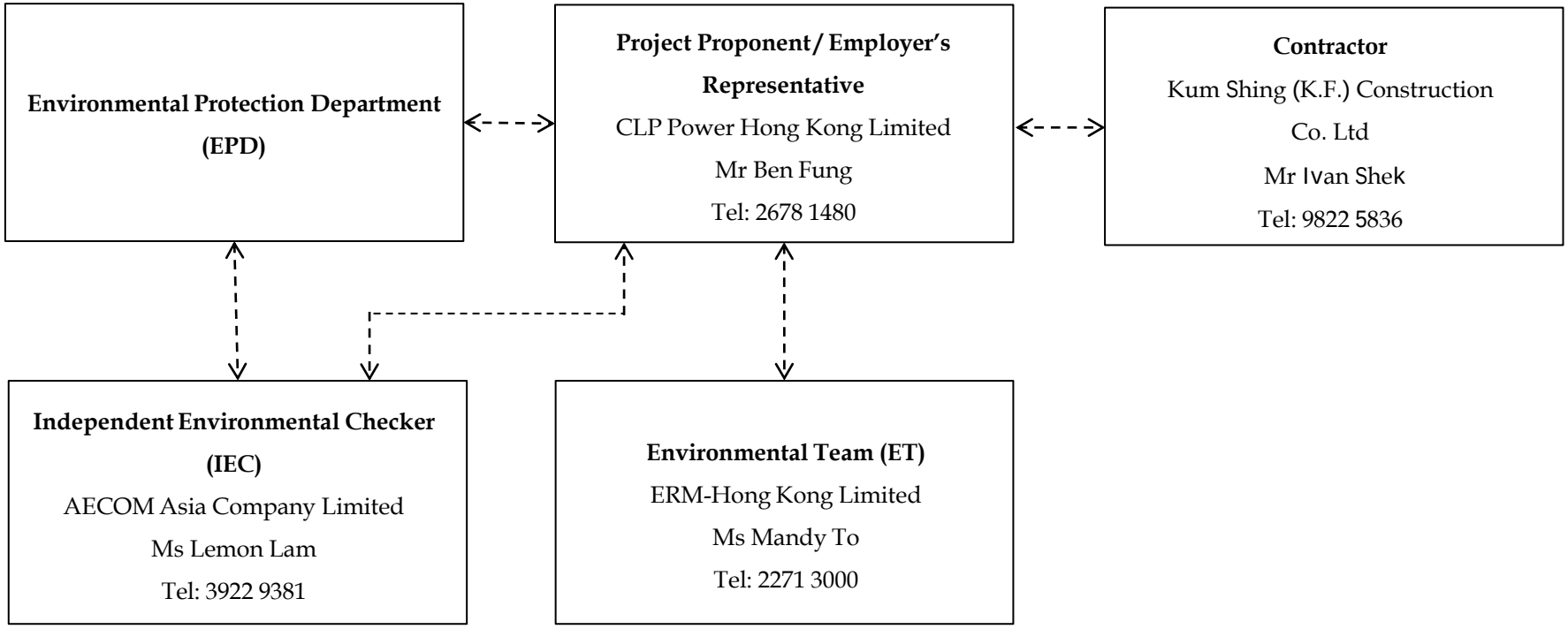
Figure

Location of Cable Jointing Work at Upper Cheung Sha Beach

ERM

File: T:\GIS\CONTRACT\0761404\mxd\0761404_Application_Site_v1.mxd
Date: 25/3/2025

APPENDIX B PROJECT ORGANISATION


Environmental Protection Department (EPD)
Project Proponent / Employer's Representative
CLP Power Hong Kong Limited
Mr Ben Fung
Tel: 2678 1480
Contractor
Kum Shing (K.F.) Construction Co. Ltd
Mr Ivan Shek
Tel: 9822 5836
Independent Environmental Checker (IEC)
AECOM Asia Company Limited
Ms Lemon Lam
Tel: 3922 9381
Environmental Team (ET)
ERM-Hong Kong Limited
Ms Mandy To
Tel: 2271 3000
Key
Line of Communication

APPENDIX C WASTE FLOW TABLE

APPENDIX C – WASTE FLOW TABLE

Month	Actual Quantities of Inert C&D Materials Generated						Actual Quantities of C&D Wastes Generated					
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics	Chemical Waste		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 '000L)	(in '000kg)
2023												
Jan to Sep	/	/	/	/	/	/	/	/	/	/	/	/
Oct	0	0	0	0	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0	0	0	0
2025												
Feb	0	0	0	0	0	0	0	0	0	0	0	0
Mar[1]	9.15	0	0	0	9.15	0	0	0	0	0	0	0
Grand Total	**9.15**	**0**	**0**	**0**	**9.15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

[1] The record of waste is up to 31 March 2025.

APPENDIX D SUMMARY OF IMPLEMENTATION SCHEDULE AND STATUS OF ENVIRONEMENTAL MITIGATION MEASURES FOR THE INSTALLATION OF SUBMARINE CABLE

APPENDIX D.1 - IMPLEMENTATION SCHEDULE AND STATUS FOR ENVIRONMENTAL MITIGATION MEASURES FOR THE INSTALLATION OF SUBMARINE CABLE (WATER QUALITY)

Note:

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

√ Compliance of Mitigation Measures

<> Compliance of Mitigation but need improvement

x Non-compliance of Mitigation Measures

▲ Non-compliance of Mitigation Measures but rectified by the Contractor

∆ Deficiency of Mitigation Measures but rectified by the Contractor

N/A Not Applicable in Reporting Period

EIA / ERR Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Implementation Status
				Des	C	O	Dec	
EIA S5b.8.1.1	<u>Drainage and Construction Site Runoff</u> The site practices outlined in ProPECC PN 1/94 "Construction Site Drainage" should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. These practices include the following items: • At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction. • Boundaries of earthworks should be surrounded by dykes or embankments for flood protection, as necessary. • Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM-DSS. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. The detailed design of the sand/silt traps shall be undertaken by the contractor prior to the commencement of construction. • Measures should be taken to minimize the ingress of site runoff and drainage into excavations. Drainage water pumped out from excavations should be discharged into storm drains via silt removal facilities. • Runoff and drainage into excavations. Drainage water pumped out from excavations should be discharged into storm drains via silt removal facilities. • During rainstorms, exposed slope/soil surfaces should be covered by a tarpaulin or other means, as far as practicable. Other measures that need to	Work site / During the construction period	Contractor		✓			N/A

EIA / ERR Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Implementation Status
				Des	C	O	Dec	
	be implemented before, during and after rainstorms are summarized in ProPECC PN 1/94. • Exposed soil areas should be minimized to reduce potential for increased siltation and contamination of runoff. • Earthwork final surfaces should be well compacted and subsequent permanent work or surface protection should be immediately performed. • Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms.							
EIA S5b.8.1.2	<u>General Construction Activities</u> Construction solid waste should be collected, handled and disposed of properly to avoid entering to the nearby watercourses and public drainage system. Rubbish and litter from construction sites should also be collected to prevent spreading of rubbish and litter from the site area. It is recommended to clean the construction sites on a regular basis.	Work site / During the construction period	Contractor		✓			✓
EIA S5b.8.1.4	<u>Accidental Spillage</u> Contractor must register as a chemical waste producer if chemical wastes would be produced from construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Work site / During the construction period	Contractor		✓			N/A
EIA S5b.8.1.5	Maintenance of vehicles and equipments involving activities with potential for leakage and spillage should only be undertaken within the areas which appropriately equipped to control these discharges.	Work site / During the construction period	Contractor		✓			N/A
EIA S5b.8.1.6	Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.	Work site / During the construction period	Contractor		✓			N/A

EIA / ERR Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Implementation Status
				Des	C	O	Dec	
EIA S5b.8.1.7	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. • Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents.	Work site / During the construction period	Contractor		✓			N/A
ERR S3.1.1.1	<u>Works within the Gazetted Boundary of Upper Cheung Sha Beach (UCSB)</u> • No construction work would be conducted in the bathing season of April to October.	Work site / During the construction period	Contractor		✓			✓
	• Section of cable from low water mark to 80 m outside of the gazetted boundary would be installed by diver using hand held water jet.							N/A
	• The machinery employed will be inspected prior to work commencing on the beach then at least daily thereafter to ensure the waters and beach will not be polluted with oil/ grease/ fuel. No machinery maintenance will be carried out onsite.							√
	• Oil absorbent materials will be readily placed on site and will be applied immediately should any oil leakage incidents occur, to ensure the swimming zone would not be affected.							N/A
	• The section of cable between low water mark and 80m outside the boundary of the UCSB shall be installed by divers using hand held water jet.							N/A
	• Silt curtains shall be deployed to fully enclose the hand held jetting works within the boundary of the UCSB and be deployed at the water line surrounding the works area to prevent runoff from land-based works on the UCSB.							N/A
	• The forward speed of the cable installation barge will be limited to a maximum of 1 km hr^{-1}.							N/A

APPENDIX D.2 - IMPLEMENTATION SCHEDULE AND STATUS FOR ENVIRONMENTAL MITIGATION FOR THE INSTALLATION OF SUBMARINE CABLE (WASTE IMPLICATION MANAGEMENT)

NOTE:

*	Des - Design, C - Construction, O – Operation, and Dec – Decommissioning
√	Compliance of Mitigation Measures
<>	Compliance of Mitigation but need improvement
x	Non-compliance of Mitigation Measures
▲	Non-compliance of Mitigation Measures but rectified by the Contractor
∆	Deficiency of Mitigation Measures but rectified by the Contractor
N/A	Not Applicable in Reporting Period

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

EIA / ERR Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Implementation Status
				Des	C	O	Dec	
EIA 6b.5.1.13	Chemical Wastes Should chemical wastes be produced at the construction site, the Contractor would be required to register with EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste (such as explosive, flammable, oxidizing, irritant, toxic, harmful, or corrosive). The Contractor should employ a licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Work Site/ During Design & Construction Period	Contractor		✓			N/A
EIA 6b.5.1.14	General Refuse General refuse should be stored in enclosed bins or compaction units separate from Construction & Demolition (C&D) materials. A licensed waste collector should be employed by the Contractor to remove general refuse from the site, separately from C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Work Site/ During Construction Period	Contractor		✓			✓

APPENDIX D.3 - IMPLEMENTATION SCHEDULE AND STATUS FOR ENVIRONMENTAL MITIGATION MEASURES FOR THE INSTALLATION OF SUBMARINE CABLE (ECOLOGICAL)

Note:

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

√ Compliance of Mitigation Measures

<> Compliance of Mitigation but need improvement

x Non-compliance of Mitigation Measures

▲ Non-compliance of Mitigation Measures but rectified by the Contractor

∆ Deficiency of Mitigation Measures but rectified by the Contractor

N/A Not Applicable in Reporting Period

EIA / ERR Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages				Implementation Status
				Des	C	O	Dec	
EIA 7b.8.3.16 - 7b.8.3.30	Measures to minimise disturbance on Finless Porpoise *Monitored exclusion zones* • During submarine cable installation/ repair operation works, a monitored marine mammal exclusion zone of 250 m radius from the cable installation/ repair vessel should be implemented. The exclusion zone should be closely monitored by an experienced marine mammal observer at least 30 minutes before the start of cable installation/ repair works. If a marine mammal is noted within the exclusion zone, all marine works should stop immediately and remain idle for 30 minutes, or until the exclusion zone is free from marine mammals. • The experienced marine mammal observer should be well trained to detect marine mammals. Binoculars should be used to search the exclusion zone from an elevated platform with unobstructed visibility. The observer should also be independent from the project proponent and has the power to call-off construction activities. • In addition, as marine mammals cannot be effectively monitored within the proposed monitored exclusion zone at night, or during adverse weather conditions (i.e. Beaufort 5 or above, visibility of 300 meters or below), marine works should be avoided under weather conditions with low visibility.	Work site, marine traffic route	Contractor		✓			N/A
	Vessel speed limit • The frequent vessel traffic in the vicinity of works area may increase the chance of mammal mammals being killed or seriously injured by vessel collision. A speed limit of ten knots should be strictly enforced within areas with high density of Finless Porpoise.	Work site, marine traffic route	Contractor		✓			N/A

APPENDIX E CUMULATIVE STATISTICS ON EXCEEDANCES, ENVIRONMENTAL COMPLAINT, ENVIRONMENTAL SUMMON AND PROSECUTION LOG

APPENDIX E.1 – CUMULATIVE STATISTICS ON EXCEEDANCES

Monitoring Parameter	Level of Exceedance	Total no. recorded in this reporting period [1]	Total no. recorded since project commencement
Marine Water Quality (DO)	Action	0	0
	Limit	0	0
Marine Water Quality (Turbidity)	Action	0	0
	Limit	0	0
Marine Water Quality (SS)	Action	0	0
	Limit	0	0

Note:
[1] Exceedances, which are non-project related, are not shown in this table.

APPENDIX E.2 - ENVIRONMENTAL COMPLAINT, ENVIRONMENTAL SUMMON AND PROSECUTION LOG

Reporting Period	Number of Complaints in Reporting Period	Number of Summons/Prosecutions in Reporting Period
3 – 31 October 2023	0	0
1 – 30 November 2023	0	0
1 – 20 December 2023	1	0
17 February 2025 – 16 March 2025	1	0
17 March 2025 – 31 March 2025	0	0
Total no. recorded since project commencement	2	0

ERM HAS OVER 160 OFFICES ACROSS THE FOLLOWING COUNTRIES AND TERRITORIES WORLDWIDE

Argentina
Australia
Belgium
Brazil
Canada
China
Colombia
France
Germany
Ghana
Guyana
Hong Kong
India
Indonesia
Ireland
Italy
Japan
Kazakhstan
Kenya
Malaysia
Mexico
Mozambique
The Netherlands
New Zealand
Peru
Poland
Portugal
Puerto Rico
Romania
Senegal
Singapore
South Africa
South Korea
Spain
Switzerland
Taiwan
Tanzania
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UK
US
Vietnam

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