

Environmental Monitoring Report for Construction Phase

Environmental and Social Management Plan for the establishment of Island Waste Resource Management Centre with Aerobic Technology using Composting machine at Dhanbidhoo, Laamu Atoll

Location: Laamu Atoll

**LaMer Pvt. Ltd.
Riyan Private Limited**

**Mariyam Shujaa-ath
Ibrahim Azhan Mohamed
Michael Competente Rubia**

Proponent: Ministry of Climate Change, Environment & Energy

September 2024

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Consultant's Declaration

I certify that to best of my knowledge the statements made in this Environmental and Social Management Plan for the establishment of Island Waste Resource Management Centre with Aerobic Technology using Composting machine at Dhanbidhoo, Laamu Atoll, are true, complete and correct.

Name: Mariyam Shujaa-ath A. Fathah

Consultant Registration Number: EIA-P(A)08/2022

Signature:



Company Name: Land and Marine Environmental Resource Group Pvt Ltd.

Date: 9th September 2024

1 Introduction

The proposed project involves establishment of an IWRMC with aerobic technology using composting machine at L. Dhanbidhoo. This will help to better manage waste at island level.

The Environmental Impact Assessment (EIA) Regulation of Maldives (2012/R-27) and amendments gives a list of development projects for which an EIA is required (Schedule Raa of the Regulation). With respect to waste management, EIA is required for three types of projects; installation of incinerators with a capacity of 10 or more tonnes/day, development of landfill using waste and development of large-scale waste management centres (capacity of treating 10 tonnes/day).

As per due process for projects not listed in this Schedule, a screening form for the project was submitted to the Environmental Protection Agency, to assess the level of impact due to the project. Based on this project description and areas of impact, EPA has stated that the project is unlikely to have a significant negative impact on the environment and hence the proponent could proceed with the project. At the same time, World Bank (WB), as the funding agency has also carried out screening of the project and stated that an ESMP should be prepared. The decision statement issued by EPA is attached on Appendix 1.

The project was awarded to Lyco Construction Pvt Ltd. after a competitive bidding process and agreement signed on 29th December 2022. The project was completed on 11th December 2023. The project taking over certificate is provided in Appendix 2.

The proponent of the project is Ministry of Climate Change, Environment and Energy (MCCEE) and is implemented by the Project Management Unit (PMU) of the World Bank financed Maldives Clean Environment Project (MCEP).

1.1 Project details

A Waste management centre was constructed on the northern end of the island, through UNDP funded LECReD project. However, the site is very close to the shoreline and hence not a feasible location.

Waste disposal at present is being carried out at four areas of the island. All waste is being disposed at these sites, and open burning is also being carried out at the sites. Cleaning of these areas and burning of waste to facilitate disposal is done by the Women's Development Committee of the island.

The MCCEE being the proponent of the project, intends to establish a IWRMC with aerobic technology using composting machine as a means of treating organic waste generated in L. Dhanbidhoo. The project involves construction of the IWRMC facility and installation of a composting machine within the boundary of the IWRMC. The proposed IWRMC is made up of an equipment room, and separate areas to store metal waste, paper and cardboard, plastic waste, glass waste, reusables as well as hazardous waste. Staff quarters as well as an office is included in the IWRMC. A mechanical composting area will be constructed which will contain the aerobic system (compositing machine).

2 Monitoring schedule and compliance

Riyan Pvt Ltd is contracted to supervise the construction works of the IWRMC as well as supervision environmental and social safeguards during construction phase of the project. Reporting template for the environmental and social safeguards was provided by PMU which was done by a tool developed by KoBo Toolbox. The safeguards reports were received as per the agreed schedule on a monthly basis throughout the construction phase of the project and were verified by the PMU prior to processing all the interim payments.

In addition to this, staff list with work permits of expatriate staff and a list of health and safety items that the contractor will be taking to the site were acquired from the contractor, along with a signed declaration prior to mobilization. All of these documents were received prior to mobilization of the contractor, which are provided in Appendix 3.

2.1 Site visits

Monthly site field visits were made by the supervision team of Riyan to the site during which environmental and social safeguards were also monitored. As such, during the whole project period, a total of 5 site visits were made from between August 2023 to January 2024. The initial supervision was conducted by the PMU team until Riyan team took over in July 2023.

3 Project components

The construction phase of the project involved following major components.:

1. Site preparation

The proposed IWRMC site is already cleared area apart from 4 Coconut palms (1 small and 3 mature on the southern side of the plot). The area is used for agricultural work by one of the residents (not formally leased as agricultural plots). The palms removed will be transplanted just outside the IWRMC plot at the empty area on the SE side

(details of vegetation to be removed, retained and fate of vegetation removed are given in Lamer Group, 2021).

2. *Clean-up of existing waste*

The proposed location for construction of IWRMC is different from the existing waste disposal sites. There is no waste at proposed site.

3. *Construction of IWRMC*

The following areas will be developed as part of construction of the IWRMC

- Organic waste processing area (fully enclosed area of 97m² with additional storage area of 14m²)
- Waste unloading, loading and weighing area (roofed area of 43m²)
- Inorganic waste processing area (roofed area of 96m²)
- Processed inorganic waste storage area (roofed area of 86m²)
- Bulk waste storage area (roofed area of 39m²)
- Hazardous waste storage area (fully enclosed area of 9m²)
- Administrative building
- Sewage disposal
- Boundary Wall / Fence
- Groundwater well
- Water supply
- Drainage
- Electricity connections
- Fire safety equipment
- Green Area

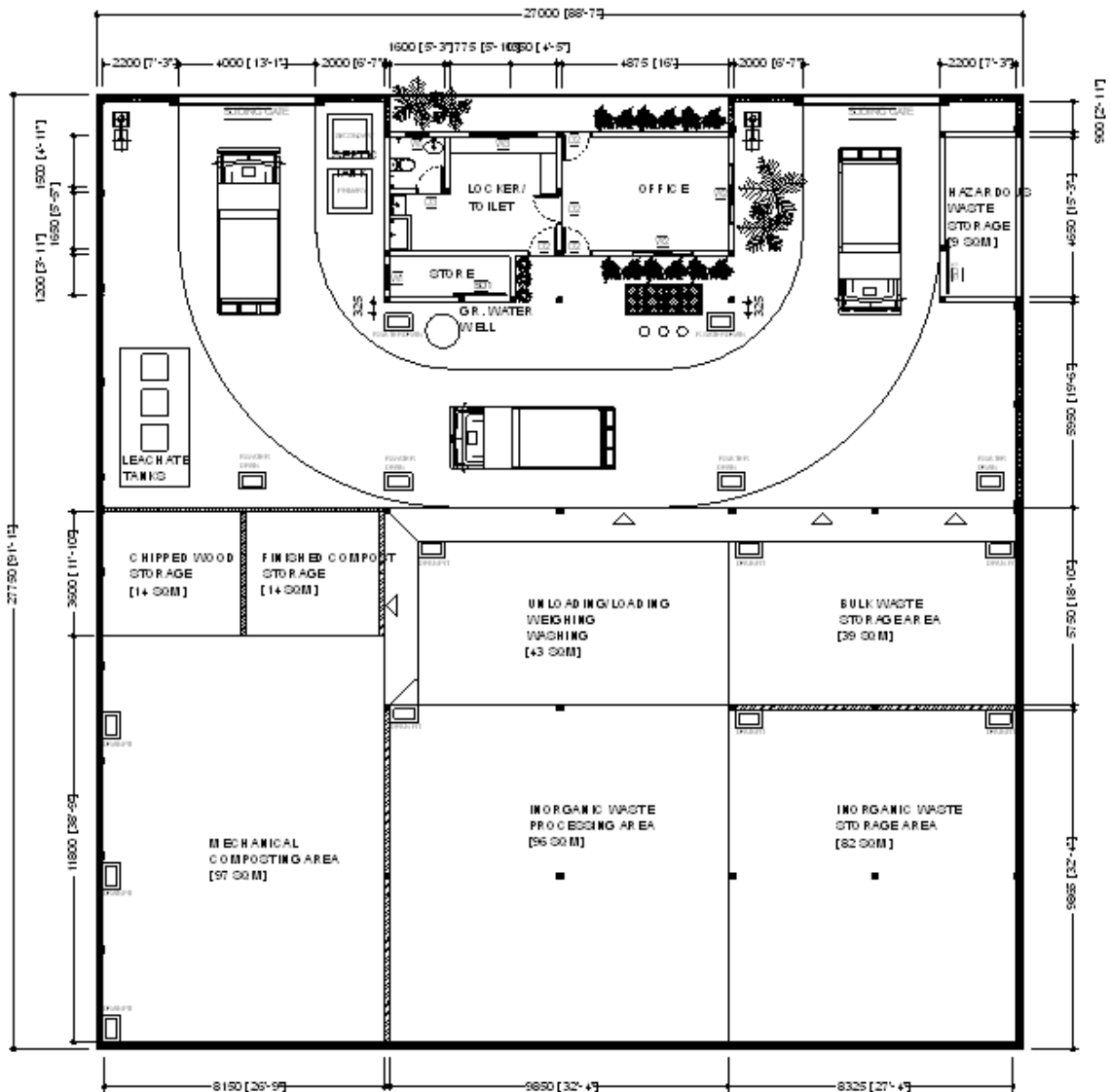


Figure 1. Schematic layout of proposed IWRMC

4 Project progress

All civil works of the project were completed on 11th December 2023, including plumbing, electrical works and fixing of the firefighting equipment.

Table 1. Type of firefighting equipment and location

Equipment	Quantity	Location
50KG DCP Trolley	2	Collection bay
50LTR Foam Trolley	1	Collection bay
Wet Chemical 6Ltr with Cabinet	1	Hazardous waste area
Water 9Ltr with Cabinet for Office Area	1	Outside office
CO ₂ 2KG with Cabinet for Office Area	1	Outside office



5 Implementation of mitigation measures

There were some issues with management of the site condition throughout the construction phase of the project with some non-compliance issues being noticed during monitoring. The non-confirming issues noticed during the site visits are listed below:

Table 2. Details of the non-compliance issues identified (2023)

Issue	Month ¹	Remediation Action	Status ²	Date ³
Absence of a bin for disposal of general waste at site, satisfactory level of use of PPE by workforce is marginal (approximately 50% workers are wearing required PPE), absence of GRM information posters on the Island Council Notice board and public places	August 2023	Informed the contractor	Resolved	January 2024
Absence of bin for disposal of general	September 2023	Informed the contractor	Resolved	January 2024

waste on site, absence of a portable fire extinguisher, absence of GRM information posters on the Island Council Notice board and public places				
Absence of bin for disposal of general waste on site, satisfactory level of use of PPE by workforce is marginal (approximately 50% workers are wearing required PPE) (both issues were rectified by November site visit) and absence of GRM information posters on the Island Council Notice board and public places	Oct/Nov 2023	Informed the contractor	Resolved	January 2024
Staff list and work permit evidence provided at the time shows that all workers' permits have been expired since January 2023. Multiple requests have been made during monthly meetings and via email communication to provide the updated staff list and work permits	December 2023	Informed the contractor	Resolved	January 2024

Appendix 4 provides the interim ESMP monitoring reports generated from KoBo Toolbox throughout the project period.

6 Vegetation clearance and replantation details

According to the Vegetation Compensation Issuance Report of the Batch 2 IWRMCs of Zone 4 & 5, three privately owned coconut palms within the development area of the waste management centre and five additional palms at the site's periphery, belonging to the same individual, were removed. Compensation was paid at the rate of MVR 200.00 per palm, with the island council contributing MVR 600.00 for the palms at the site's periphery.

Table 3. Vegetation details.

No. of trees Translocated	0
No. of trees removed/ Chopped	3
No. of trees that were replanted	10

As per the information from Island Council, the replantation was done on 8th May 2023. Additionally, the Council has a replantation program to be conducted by next year 2025

Legend:

 -replantation



Figure 2: Location of replantation in the Island of L. Dhanbidhoo as highlighted in yellow color.



Figure 3: Photograph of replantation in the Island of L. Dhanbidhoo. (This photo was shared by Council of L. Dhanbidhoo).

7 Grievances

Grievance Redress Mechanism (GRM) of MCEP was functional at L. Dhanbidhoo. The focal point appointed by Dhanbidhoo Council for managing the GRM at Tier 1 was the Administrative Officer at the Council. Those grievances that cannot be resolved by Island Councils were required to be referred to the PMU (Tier 2). Contact details & QR code for downloading the complaint forms were displayed at project site and the council notice board. Hard copies of the complaint forms were also made available at the council front office.

No grievances were filed during the construction period and site visits by the supervision team of Riyan.



Figure 4. GRM board displayed at project site.

8 Ground Water Quality Assessment

The ground water samples were taken from the respective location as specified in the initial ESMP Report. All parameter stated in the ESMP were taken as shown in Table 4. Temperature, physical appearance, pH, Electrical conductivity, Total Dissolved Solid (TDS), and Salinity were tested by using Hanna Multiparameter while Nitrate was tested at MWSC Water Quality Assurance Laboratory. Most of the parameters are within the normal range. The Conductivity and dissolved solid are higher than the optimal range. This possibly due to the fact that the water sample source is near the coast.

Table 4. Results of the ground water assessment.

Name of Island	L. Dhanbidhoo			REMARKS
Sampling Location	IWRMC Site	IWRMC Site	Control Site	
Sample Type	Ground Water	Ground Water	Ground Water	
Sampling Date & Time	August 2023.	27/08/2024 14:46	27/08/2024 15:03	
Parameters	Analysis Results			
Temperature (°C)	30.55	29.05	28.9	Tested using Hanna Multiparameter probe
pH	7.97	8.8	8.15	
Electrical Conductivity (µS/cm)	2,298	780	299	
Total Dissolved Solids (ppm)	1149	390	149.5	
Salinity (PSU)	1.19	-	-	
Physical Appearance	Pale yellow with particles	Clear with particles	Clear with particles	Test done at MWSC Water Quality Assurance Laboratory
Nitrate (mg/L)	2.5	6.8	3.1	

**Test for nitrates was carried out at MWSC laboratory and water test report from MWSC is given in Appendix (5).*

9 Plan for operationalizing the IWRMC

An MOU was signed between the MCCEE and L. Dhanbidhoo council before officiating the handover of the IWRMC operations to the council. IWRMC was handed over to L. Dhanbidhoo Council on 07 May 2024 (refer to the letter in Appendix 6). The MOU requires the council to take necessary registration and operating license from URA before commencement of the IWRMC operations. In addition, it includes conditions like keeping adequate stock of critical parts, health and safety gears and ESMP monitoring of ESMP during the operational phase.

The MoU defines roles and responsibilities of the council to manage the IWRMC in compliance with national environmental laws and regulations. Dhanbidhoo has an Island Waste

Management Plan (IWMP) which is still at a draft stage, hence is not approved by EPA. Prior to starting its operation, Island council is required to get the IWMC registered at the Utility Regulatory Authority (URA) and get the operating license from URA as well. This process has been initiated by the council with assistance from MCEP-PMU. Registration form and supporting documents were submitted to URA on 29 April 2024. Currently, awaiting decision from URA. A fire safety training was conducted for Zone 5 islands on 3 September 2024 in Th. Kinbidhoo in partnership with Maldives National Defence Force (MNDF). Ibrahim Shameem, Ismail Nazim, Adam Naeem, and Hussain Faheem from L. Dhanbidhoo Council completed the training.

10 Conclusion

Establishment of an IWRMC with aerobic technology using composting machine at L. Dhanbidhoo was completed on 11th December 2023. The contractor of the project was Lyco Constructions Pvt. Ltd.

The ESMP monitoring carried out for the project confirms that the construction of the IWRMC was completed in conformity to the ESMP and majority of the agreed mitigation measures were implemented to a satisfactory level. However, there were some non-compliance issues noticed during construction phase and these have been highlighted in this report. It should be noted that, apart from the issue of expired work permit/ visa for expatriate workers, other issues were minor issues. An updated workers list with renewed visas and work permits were later shared by the Contractor to the Client.

All necessary firefighting equipment were purchased and have been installed at the facility. No grievances were received from the public during the construction phase. Council staff overseeing IWRMC operations completed fire safety training on 3 September 2024.

An MoU defining the roles and responsibilities of council to manage the IWRMC in compliance with national environmental laws and regulations will be signed between Dhanbidhoo Council and MECCT.

The centre is currently not operational and needs to be registered at the URA and operating license also needs to be obtained. Operational phase monitoring responsibility lies with the operator which is the Island Council and shall be performed after 1 year of commencing operations.

Appendices



- a) This Environmental Decision Statement has been withdrawn or;
 b) There has been a breach of the conditions of this Environmental Decision Statement.
- iv. It is the Developer's responsibility to undertake all project activities in accordance with the relevant laws and regulations of the Maldives.
- v. The Developer is aware that under the National Environment Protection Act (Law no. 4/93) and the Environmental Impact Assessment Regulations the Ministry reserves the right to terminate any activity without compensation if found that such an activity has caused significant, irreversible impacts on the environment.
- vi. All mitigation measures proposed in the EMP report for all the phases of the project shall be fully implemented.
- vii. The date of expiry stated in this Environmental Decision Statement is the duration given to commence the project activities approved under this Environmental Decision Statement.

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 b) ޤައުމީ ބަނޑުގެ ބަނޑު ސަލާމަތް ނުވާނެ ނުވަތަ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ;
 iv. ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ;
 v. ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ;
 vi. ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ;
 vii. ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ ބަނޑުގެ ބަނޑު ސަލާމަތް ހުޅުވާލެވިފައި ވާނެ ގޮތެއް ހުރިނަމަ;

Handwritten signature



viii. Once the project activities have started, the Proponent must inform the Environmental Protection Agency, the date of commencement of project activities.

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Date of initial Issue: 04 th May 2021	ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون
Date of expiry: 04 th May 2022	ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون
Name: Mr. Ibrahim Naeem	ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون
Designation: Director General	ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون
Signature: 	ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون ډسټابليزاسون





Appendix 2 Project taking over certificate

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RIYAN PRIVATE LIMITED
REG: C-235/2006

TAKING OVER CERTIFICATE

Project:	Construction of Island Waste and Resource Management Center at Dhanbidhoo, Laamu Atoll (AGR)438-WMPC/PRIV/2022/183
Employer:	Ministry of Climate Change, Environment and Energy
Engineer / Consultant:	Riyan Pvt Ltd H.Azumi, Ameenee Magu, Male', Republic of Maldives
Contractor:	Lyc0 Construction Company Pvt Ltd
Description of the Permanent Works:	This project consists of a waste management building, a waste storage building, and an office building surrounded by a wire-meshed boundary wall.
Commencement Date of the Works:	January 15, 2023
Original Contract Completion:	July 14, 2023
Contract Date for Completion for the whole of the Works including EOTs:	September 4, 2023
Date of Substantial Completion of the Permanent Works:	December 11, 2023
Submission of Snags Rectification Report (by Contractor):	March 26, 2024

This Taking over Certificate ("TOC") is issued Pursuant to Clause 53.1 (Taking Over of the Finishing the Contract) of the General Conditions of Contract and the Letter of Acceptance dated 10th December 2022 (collectively the "Contract") which apply to the above Project.

The Engineer hereby certifies that except for the outstanding works set out in Appendix 'A' to this TOC which the Contractor undertakes to finish within the timescales mentioned in the Appendix, are substantially complete. However, all defects identified and notified to the Contractor during the final inspection must be rectified by the contractor as soon as practically possible. Defects Liability Period will start on 12th December 2023 and end after 06 months (on 9th June 2024) as per the Contract.

The Engineer in issuing this TOC notes that the Contractor shall within 28 days of this TOC being issued deliver to the Employer any outstanding handover documents, such as keys and warranties etc. for the works which have been taken over by the Engineer on behalf of the Employer as per the contract.

Mohamed Shahid
Riyan Pvt Ltd



Date: 5th May 2024

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APPENDIX A

Item no	Defects/Issues	Photo
1	Office, Store and Waste Management Block. (Entire Office Room and Waste management Block Main Electrical Connections and points to be checked) (The contractor is claiming that the works are completed. To verify the same, a physical inspection will be made during DLP period, any persisting defects should be rectified by that time)	

Note: Updated as per Consultant's final site inspection on 21st January 2024. All the identified defects shall be rectified during the Defects Liability Period.

Appendix 3 Contractor's declaration, staff list and HS items

Company Code of Conduct Implementing ESHS and OHS Standards Preventing Gender Based Violence

The company is committed to ensuring that the project is implemented in such a way which minimizes any negative impacts on the local environment, communities, and its workers. This will be done by respecting the environmental, social, health and safety (ESHS) standards, and ensuring appropriate occupational health and safety (OHS) standards are met. The company is also committed to creating and maintaining an environment where children under the age of 18 will be protected, and where Sexual Exploitation and Abuse (SEA) and sexual harassment have no place. Improper actions towards children, SEA and sexual harassment are acts of Gender Based Violence (GBV) and as such will not be tolerated by any employee, sub-contractors, supplier, associate, or representative of the company.

Therefore, to ensure that all those engaged in the project are aware of this commitment, the company commits to the following core principles and minimum standards of behavior that will apply to all company employees, associates, and representatives, including sub-contractors and suppliers, without exception:

General

1. The company—and therefore all employees, associates, representatives, sub-contractors and suppliers—commits to complying with all relevant national laws, rules and regulations.
2. The company commits to full implement the Environmental and Social Management Plan (ESMP) which forms part of the contract.
3. The company commits to treating women, children (persons under the age of 18), and men with respect regardless of race, color, language, religion, political or other opinion, national, ethnic or social origin, property, disability, birth or other status. Acts of GBV are in violation of this commitment.
4. The company shall ensure that interactions with local community members are done with respect and non-discrimination.
5. Demeaning, threatening, harassing, abusive, culturally inappropriate, or sexually provocative language and behavior are prohibited among all company employees, associates, and its representatives, including sub-contractors and suppliers.
6. The company will follow all reasonable work instructions (including regarding environmental and social norms).
7. The company will protect and ensure proper use of property (for example, to prohibit theft, carelessness or waste).

Health and Safety

8. The company will ensure that the project's OHS Management Plan is effectively implemented by company's staff, as well as sub-contractors and suppliers.
9. The company will ensure that all persons on-site wear prescribed and appropriate personal protective equipment, preventing avoidable accidents, and reporting conditions or practices that pose a safety hazard or threaten the environment.
10. The company will prohibit the use of alcohol, narcotics or other substances which can impair faculties at all times.

11. The company will ensure that project's Grievance Redress Mechanism (GRM) is implemented.
12. The company will not hire children under the age of 18 for construction work, or allow them on the work site, due to the hazardous nature of construction sites.
13. The company will ensure that adequate sanitation facilities are available on site and at any worker accommodations provided to those working on the project.

Gender Based Violence

14. Acts of GBV constitute gross misconduct and are therefore grounds for sanctions, which may include penalties and/or termination of employment and, if appropriate, referral to the Police for further action.
15. All forms of GBV, are unacceptable, regardless of whether they take place on the work site, the work site surroundings, at worker's camps or within the local community.
16. Sexual harassment of work personnel and staff (e.g. making unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature) are acts of GBV and are prohibited.
17. Sexual favors (e.g. making promises of favorable treatment such as promotions, threats of unfavorable treatment such as losing a job, payments in kind or in cash dependent on sexual acts) and any form of humiliating, degrading or exploitative behavior are prohibited.
18. The use of prostitution in any form at any time is strictly prohibited.
19. Sexual contact or activity with children under 18—including through digital media—is prohibited. Mistaken belief regarding the age of a child is not a defense. Consent from the child is also not a defense or excuse.
20. Unless there is full consent¹ by all parties involved in the sexual act, sexual interactions between the company's employees (at any level) and members of the communities surrounding the work place are prohibited. This includes relationships involving the withholding/promise of actual provision of benefit (monetary or non-monetary) to community members in exchange for sex (including prostitution). Such sexual activity is considered "non-consensual" within the scope of this Code.
21. In addition to company sanctions, legal prosecution of those who commit acts of GBV will be pursued if appropriate.
22. All employees, including volunteers and sub-contractors are highly encouraged to report suspected or actual acts of GBV by a fellow worker, whether in the same company or not. Reports must be made in accordance with project's GBV Allegation Procedures.
23. Managers are required to report and act to address suspected or actual acts of GBV as they have a responsibility to uphold company commitments and hold their direct reports responsible.

Implementation

To ensure that the above principles are implemented effectively the company commits to:

24. Ensuring that all managers sign the project's 'Manager's Code of Conduct' detailing their responsibilities for implementing the company's commitments and enforcing the responsibilities in the 'Individual Code of Conduct'.
25. Ensuring that all employees sign the project's 'Individual Code of Conduct' confirming their agreement to comply with ESHS and OHS standards, and not to engage in activities resulting in GBV, child endangerment or abuse, or sexual harassment.
26. Displaying the Company and Individual Codes of Conduct prominently and in clear view at

workers' camps, offices, and in public areas of the work space. Examples of areas include waiting, rest and lobby areas of sites, canteen areas and health clinics.

27. Ensuring that posted and distributed copies of the Company and Individual Codes of Conduct are translated into the appropriate language of use in the work site areas as well as for any international staff in their native language.
28. Ensuring that an appropriate person is nominated as the company's 'Focal Point' for addressing ESHS, OHS and GBV issues.
29. Ensuring that all employees are properly briefed and that they are familiar with the company's commitments to ESHS and OHS standards, and the project's GBV Codes of Conduct.

Sanction

In case of a major breach of this Code of Conduct, the client is entitled to take disciplinary action against the company (as per the contract) which could include:

30. Informal warning.
31. Formal warning.
32. Withholding of payments.
33. Deduction from retention payment.
34. Termination of contract.
35. Report to the Police if warranted.

I do hereby acknowledge that I have read the foregoing Company Code of Conduct, and on behalf of the company agree to comply with the standards contained therein. I understand my role and responsibilities to support the project's OHS and ESHS standards, and to prevent and respond to GBV. I understand that any action inconsistent with this Company Code of Conduct or failure to act mandated by this Company Code of Conduct may result in disciplinary action.

Company name: Lyco Construction Company Pvt Ltd

Signature: 

Printed Name: Mohamed Riaz

ID or PP No: A023333

Date: 22/12/2022

Appendix 4 EMP monitoring reports

Submission Record (21 of 112)



Language: English (en) ▾

Validation status: Select... ▾

[< PREVIOUS](#)

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DUPLICATE



Type **Question** **Response**

Section 1: General Information

<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Laamu
abc	Island Name	La.Dhanbidhoo

Section 2: Sub Project Details

<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Manual Composting
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
<input checked="" type="radio"/>	Sub Project Location?	
abc	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

<input checked="" type="radio"/>	Are fuel used for project purposes stored in sealed	Not Applicable / Observed
----------------------------------	---	---------------------------

containers?



If Yes attach, a photograph of the containers



If No attach a photograph to show how fuel is currently being kept



WERE ALL HAZARDOUS CHEMICAL CONTAINERS (PAINTS, THINNERS, LUBRICANTS) STORE IN CLOSED CONTAINERS AND PLACED ON A IMPERMEABLE SURFACE (EITHER A CONCRETE SLAB, CONTAINED BOX OR LINED AND ISOLATED AREA?

Yes



If Yes, attach photographic proof



If No, attach a photograph to show how the chemicals are being kept






WERE ANY CHEMICALS STORED CLOSE TO ELECTRICAL OUTLETS, OR ANY AREAS WHERE THERE IS A RISK OF FIRE AND EXPLOSION?

No





Include photographic evidence

Section 4: Noise Pollution Management Practices

	What mitigation measures have been applied by the contractor to reduce noise pollution?	<i>Construction Activity Only During Day Time</i> • (8.00am-6.00pm)
abc	Specify Other Measures used?	
	Photograph-1 of compliance practice	
	Photograph-2 of compliance practice	
<input checked="" type="radio"/>	Was was the noise level observed on the site during the monitoring visit?	<i>Low levels of noise (can hear speech over sound, low levels of noise at site)</i>

Section 5: Air Quality and Dust

<input checked="" type="radio"/>	Are vehicles used for transporting material from harbour to project site?	<i>No</i>
<input checked="" type="radio"/>	Type of vehicle used?	
	Attach photo of the vehicle	
<input checked="" type="radio"/>	Does the vehicle have an up to date road worthiness certificate	
	If yes, attach a copy of the certificate	
<input checked="" type="radio"/>	How was materials transferred to the site?	<i>Covered</i>
<input checked="" type="radio"/>	Are machineries used well tuned / serviced?	<i>Yes</i>
<input checked="" type="radio"/>	Did you observe high levels of dust generated in the work site?	<i>No</i>



Has dust generated from the site or construction material been deposited around the work site?



How frequently is the site being sprayed with water?

abc

Please specify the duration



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

Yes



Attach photo of how materials are stockpiled



Is the contractor open burning any waste on the site or near the site?

No



If Yes, include photograph of observer burning.



Did you notice any fumes or bad smells from the site being generated via the use of chemicals?

No



Were these bearable?

Section 6: Source of Sand





<input checked="" type="radio"/>	Is sand sourced for construction in compliance with national laws and regulation?	Yes
	Provide photographic evidence	
	Actions Taken	

Section 7: Waste Management

<input checked="" type="radio"/>	Is Construction and Demolition waste (C&D) and/or green waste generated from the project?	No
	Type of Construction and Demolition waste (C&D) and/or green waste generated	
abc	Provide details	
<input checked="" type="radio"/>	Are Construction and Demolition waste (C&D) and/or green waste being reused or considered to be reused for construction activities of the project?	
	Types of waste being reused for construction?	
abc	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
<input checked="" type="radio"/>	Is there evidence of littering in	No

	and around the site?	
	Attach photographic evidence	
<input data-bbox="186 300 219 327" type="radio"/>	A bin is present for disposing general waste generated by workers?	Yes
	Attach photographic evidence	

Section 8: Impacts on Natural Environment

<input data-bbox="186 653 219 680" type="radio"/>	Does the site contain any significant vegetation?	No
<input data-bbox="186 800 219 827" type="radio"/>	Was any vegetation present at the site translocated to another area of the island?	
123	Specify the number of trees that were translocated	
	Provide a photograph of the translocated area	
<input data-bbox="186 1207 219 1234" type="radio"/>	Was any vegetation removed / chopped?	
123	Specify the number of trees that were removed / chopped	
	Attach photographic evidence	
<input data-bbox="186 1556 219 1583" type="radio"/>	Was 2:1 replantation undertaken?	
	Indicate the location on which replantation was undertaken	
123	Indicate the number of trees that were replanted?	
	Provide a photograph of the replanted area	



Indicate planned date for replantation

Section 9: General Health and Safety



Is the site demarcated as a Construction Site?

Yes



Which method is used to demarcate the site?

Fencing



Attach a photograph of site demarcation



Is no entry sign board present?

Yes



Attach a photograph of no entry sign board













Is safety sign board with PPE requirement present?

Yes











Attach a photograph of PPE sign board

Section 10: Occupational Health and Safety

	To what level are safety gears / Personal Protective Equipment (PPEs) being used?	<i>Satisfactory (All workers are wearing dust masks, helmets, covered shoes, luminous vests and gloves at minimal while working in the site.)</i>
	What are the types of PPEs observed being used by the site workers?	
	Attach a photograph of workers with Boots/Covered Shoes	
	Attach a photograph of workers with Hard Hats	
	Attach a photograph of workers using ear muffs	
	Attach a photograph of welders using goggles	
	Attach a photograph of workers using gloves	
	Attach a photograph of workers using masks	
	Attach a photograph of workers using safety harness	
	Attach a photograph of workers using luminous jackets	
abc	Provide details	





Section 11: Management of COVID19

	Is the country under a national public health emergency?	No
	Is hand washing facility or hand sanitizers provided at the site?	



	Attach photograph
<input data-bbox="186 296 224 323" type="radio"/>	Have workers been briefed about the safety protocols and social distancing measures issues by the Ministry of Health of Maldives in line with Covid-19 during there work?
<input data-bbox="186 541 224 569" type="radio"/>	Are daily temperature records taken of all workers and documented in a log book at the work site at the start of the day?
	If Yes, include a photograph of the log book.
	Measures taken regarding COVID19 situation in labor camp
	Attach supporting photograph of social distancing
	Attach supporting photograph of hand hygiene facilities / arrangements
	Attach supporting photograph of awareness materials

Section 12: Working Conditions and Labor

<input data-bbox="186 1528 224 1556" type="radio"/>	How is food arrangements being made for the contractor's workers?	<i>Contractor</i>
123	Specify amount in MVR	
123	How many meals / breaks are provided per day	
123	What are the standard per day working hours?	

	Specify work start time	
	Specify work end time	
<input checked="" type="radio"/>	How is accommodation being arranged?	<i>Rented house</i>
<input checked="" type="radio"/>	Was staff accommodation checked during monitoring?	<i>No</i>
123	How many toilets / bathrooms are present?	
	Attach a photograph of accommodation facility	
	Facilities present at the accommodation	
abc	Specify	
<input checked="" type="radio"/>	Is the site of labor accommodation clean and sanitary and kept neatly?	
<input checked="" type="radio"/>	At the work site do the labor have a resting area with adequate drinking water supplies?	<i>Yes</i>



Section 13: Fire Safety







<input checked="" type="radio"/>	Is a portable extinguisher present at the site?	<i>Yes</i>
	Attach photographic of extinguisher	
	Other fire safety precautions taken	<ul style="list-style-type: none"> <i>No open electrical wires are found</i> <i>Electrical wires installed by certified person</i>

Section 14: Sociocultural Issues





123	What is the total number of workers recruited for the project?
<input type="radio"/>	Are any female workers recruited for the project?
123	Specify the number of female workers
123	Specify the number of local workers
123	Specify the number of expatriate workers
<input type="radio"/>	Does all the expatriate workers have valid work permits and work visas?
abc	Specify names of the staffs who do not have valid work permits and work visas
<input type="radio"/>	Are all workers above the age of 18?

Section 15: Grievance Redress Mechanism (GRM)

<input type="radio"/>	Is project board with GRM information present at the site?	Yes
	Attach photograph of the GRM board	
	When does the contractor plan to do this?	
<input type="radio"/>	ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?	Yes



	Attach photographic evidence
	Attach photographic evidence
	Attach photographic evidence
	IF NO, WHEN DOES THE COUNCIL PLAN TO INSTALL THE SIGNAGE
	WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?
	Has the concerned authorities been notified?

Section 16: Status of Stakeholder Consultations

	Have further Stakeholder Consultations been carried out?	<i>No</i>
	If Yes, provide Date and Time of Consultation?	
123	If Yes, Number of stakeholders consulted?	
123	Number of women consulted?	
	Attach Minutes of Consultation	
	If No, provide the planned date of next consultations?	

Section 17: Informants

abc	Contractor's Informant Name and Designation	<i>Moosa, Site supervisor</i>
abc	Council's Informant Name and	<i>Ali Hafeez, council</i>

	Designation	
abc	Name and Designation of the person who filled the form	<i>Sridhar Rajendran, Project Engineer</i>
<input checked="" type="checkbox"/>	I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature	

start	2024-01-21T16:02:45.208+05:00
end	2024-01-22T10:31:51.182+05:00
today	
username	
device ID	ee.kobotoolbox.org:nq8BL6sXd0KjjVt3
phone number	phonenumber not found
audit	
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_id	306588956
instanceID	uuid:6a69027d-3700-46ab-9ed3-18412a9a6f5a
Submitted by	



Submission Record (11 of 93)



Language: English (en) ▾

Validation status: Select... ▾

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DUPLICATE



Type	Question	Response
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Section 1: General Information

<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Laamu
abc	Island Name	Dhanbidhoo

Section 2: Sub Project Details

<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Manual Composting
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
<input checked="" type="radio"/>	Sub Project Location?	latitude (x.y °): 2.085184 longitude (x.y °): 73.541973 altitude (m): 0.6902740402147174 accuracy (m): 4.7501154387527835
abc	Physical Progress	95%. Electric connection is rewuired

Section 3: Storage of Hazardous Chemicals during Construction

	Are fuel used for project purposes stored in sealed containers?	Not Applicable / Observed
	If Yes attach, a photograph of the containers	
	If No attach a photograph to show how fuel is currently being kept	
	WERE ALL HAZARDOUS CHEMICAL CONTAINERS (PAINTS, THINNERS, LUBRICANTS) STORE IN CLOSED CONTAINERS AND PLACED ON A IMPERMEABLE SURFACE (EITHER A CONCRETE SLAB, CONTAINED BOX OR LINED AND ISOLATED AREA?	Not Applicable / Observed
	If Yes, attach photographic proof	
	If No, attach a photograph to show how the chemicals are being kept	
	WERE ANY CHEMICALS STORED CLOSE TO ELECTRICAL OUTLETS, OR ANY AREAS WHERE THERE IS A RISK OF FIRE AND EXPLOSION?	No
	Include photographic evidence	

Section 4: Noise Pollution Management Practices

	What mitigation measures have been applied by the contractor to reduce noise pollution?
abc	Specify Other Measures used?



Photograph-1 of compliance practice



Photograph-2 of compliance practice



Was was the noise level observed on the site during the monitoring visit?

Section 5: Air Quality and Dust



Are vehicles used for transporting material from harbour to project site?



Type of vehicle used?



Attach photo of the vehicle



Does the vehicle have an up to date road worthiness certificate



If yes, attach a copy of the certificate



How was materials transferred to the site?



Are machineries used well tuned / serviced?



Did you observe high levels of dust generated in the work site?



Has dust generated from the site or construction material been deposited around the work site?



How frequently is the site being sprayed with water?

abc

Please specify the duration



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?



Attach photo of how materials are stockpiled



Is the contractor open burning any waste on the site or near the site?



If Yes, include photograph of observer burning.



Did you notice any fumes or bad smells from the site being generated via the use of chemicals?



Were these bearable?

Section 6: Source of Sand



Is sand sourced for construction in compliance with national laws and regulation?



Provide photographic evidence



Actions Taken

Section 7: Waste Management



Is Construction and Demolition waste (C&D) and/or green waste generated from the project?








Type of Construction and Demolition waste (C&D) and/or green waste generated

abc	Provide details
<input type="radio"/>	Are Construction and Demolition waste (C&D) and/or green waste being reused or considered to be reused for construction activities of the project?
	Types of waste being reused for construction?
abc	Provide details
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed
	Attach photographic evidence
	Attach photographic evidence
	Attach photographic evidence
<input type="radio"/>	Is there evidence of littering in and around the site?
	Attach photographic evidence
<input type="radio"/>	A bin is present for disposing general waste generated by workers?
	Attach photographic evidence

Section 8: Impacts on Natural Environment

<input type="radio"/>	Does the site contain any significant vegetation?	No
<input type="radio"/>	Was any vegetation present at the site translocated to another area of the island?	

123	Specify the number of trees that were translocated
	Provide a photograph of the translocated area
<input type="radio"/>	Was any vegetation removed / chopped?
123	Specify the number of trees that were removed / chopped
	Attach photographic evidence
<input type="radio"/>	Was 2:1 replantation undertaken?
	Indicate the location on which replantation was undertaken
123	Indicate the number of trees that were replanted?
	Provide a photograph of the replanted area
	Indicate planned date for replantation

Section 9: General Health and Safety

<input type="radio"/>	Is the site demarcated as a Construction Site?	Yes
<input type="radio"/>	Which method is used to demarcate the site?	Fencing



Attach a photograph of site demarcation



Is no entry sign board present?

No



Attach a photograph of no entry sign board



Is safety sign board with PPE requirement present?

No



Attach a photograph of PPE sign board

Section 10: Occupational Health and Safety



To what level are safety gears / Personal Protective Equipment (PPEs) being used?



What are the types of PPEs observed being used by the site workers?



Attach a photograph of workers with Boots/Covered Shoes



Attach a photograph of workers with Hard Hats





Attach a photograph of workers using ear muffs







Attach a photograph of welders using goggles





Attach a photograph of workers








	using gloves
	Attach a photograph of workers using masks
	Attach a photograph of workers using safety harness
	Attach a photograph of workers using luminous jackets
abc	Provide details

Section 11: Management of COVID19

<input type="radio"/>	Is the country under a national public health emergency?
<input type="radio"/>	Is hand washing facility or hand sanitizers provided at the site?
	Attach photograph
<input type="radio"/>	Have workers been briefed about the safety protocols and social distancing measures issues by the Ministry of Health of Maldives in line with Covid-19 during there work?
<input type="radio"/>	Are daily temperature records taken of all workers and documented in a log book at the work site at the start of the day?
	If Yes, include a photograph of the log book.
	Measures taken regarding COVID19 situation in labor camp
	Attach supporting photograph of social distancing

	Attach supporting photograph of hand hygiene facilities / arrangements
	Attach supporting photograph of awareness materials

Section 12: Working Conditions and Labor

	How is food arrangements being made for the contractor's workers?
123	Specify amount in MVR
123	How many meals / breaks are provided per day
123	What are the standard per day working hours?
	Specify work start time
	Specify work end time
	How is accommodation being arranged?
	Was staff accommodation checked during monitoring?
123	How many toilets / bathrooms are present?
	Attach a photograph of accommodation facility
	Facilities present at the accommodation
abc	Specify
	Is the site of labor accommodation clean and



sanitary and kept neatly?



At the work site do the labor have a resting area with adequate drinking water supplies?

Section 13: Fire Safety



Is a portable extinguisher present at the site?

Yes



Attach photographic of extinguisher



Other fire safety precautions taken

- No open electrical wires are found

Section 14: Sociocultural Issues

123

What is the total number of workers recruited for the project?



Are any female workers recruited for the project?

123

Specify the number of female workers

123


Specify the number of local workers

123

Specify the number of expatriate workers

<input type="radio"/>	Does all the expatriate workers have valid work permits and work visas?
abc	Specify names of the staffs who do not have valid work permits and work visas
<input type="radio"/>	Are all workers above the age of 18?

Section 15: Grievance Redress Mechanism (GRM)

<input type="radio"/>	Is project board with GRM information present at the site?	Yes
<input type="image"/>	Attach photograph of the GRM board	
<input type="image"/>	When does the contractor plan to do this?	
<input type="radio"/>	ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?	
<input type="image"/>	Attach photographic evidence	
<input type="image"/>	Attach photographic evidence	
<input type="image"/>	Attach photographic evidence	
<input type="image"/>	IF NO, WHEN DOES THE COUNCIL PLAN TO INSTALL THE SIGNAGE	



WAS ANY GRIEVANCE
RELATED TO THE
FOLLOWING ISSUES
RECEIVED?



Has the concerned authorities
been notified?

Section 16: Status of Stakeholder Consultations



Have further Stakeholder
Consultations been carried out?



If Yes, provide Date and Time of
Consultation?

123

If Yes, Number of stakeholders
consulted?

123

Number of women consulted?



Attach Minutes of Consultation



If No, provide the planned date
of next consultations?

Section 17: Informants

abc

Contractor's Informant Name
and Designation

William , project engineer

abc

Council's Informant Name and
Designation

Ali Hafeez, assistant council officer

abc

Name and Designation of the
person who filled the form

Hussein Zahir E0



I certify that all the data captures
is accurate to the best of my
knowledge

OK



Signature

start	2023-12-26T16:14:48.378+05:00
end	2023-12-27T09:23:59.198+05:00
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username	
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phone number	phonenumber not found
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Submitted by	



ESMP Monitoring Construct...

93 submissions

L

Consultants Declaration

I certify that to best of my knowledge the statements made in this ESMP monitoring for construction phase of IWRMC at Dhanbidhoo, Laamu Atoll, are true, complete, and correct.

Name: Mariyam Shujaa-ath

Consultant Registration Number: EIA-P(A) 08/2022

A handwritten signature in black ink, appearing to be 'MS' with a large flourish, located below the registration number.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 18th January 2024

Submission Record (27 of 89)



Language: English (en) ▾

Validation status: Select... ▾

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DUPLICATE



Type	Question	Response
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Section 1: General Information






<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Laamu
abc	Island Name	Dhanbidhoo

Section 2: Sub Project Details



<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Manual Composting
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
<input type="radio"/>	Sub Project Location?	
abc	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

<input checked="" type="radio"/>	Are fuel used for project purposes stored in sealed	Yes
----------------------------------	---	-----

	containers?	
	If Yes attach, a photograph of the containers	
	If No attach a photograph to show how fuel is currently being kept	
<input checked="" data-bbox="186 646 220 674" type="radio"/>	WERE ALL HAZARDOUS CHEMICAL CONTAINERS (PAINTS, THINNERS, LUBRICANTS) STORE IN CLOSED CONTAINERS AND PLACED ON A IMPERMEABLE SURFACE (EITHER A CONCRETE SLAB, CONTAINED BOX OR LINED AND ISOLATED AREA?	Not Applicable / Observed
	If Yes, attach photographic proof	
	If No, attach a photograph to show how the chemicals are being kept	
<input checked="" data-bbox="186 1272 220 1299" type="radio"/>	WERE ANY CHEMICALS STORED CLOSE TO ELECTRICAL OUTLETS, OR ANY AREAS WHERE THERE IS A RISK OF FIRE AND EXPLOSION?	No
	Include photographic evidence	

Section 4: Noise Pollution Management Practices

	What mitigation measures have been applied by the contractor to reduce noise pollution?	Construction Activity Only During Day • Time (8.00am-6.00pm)
abc	Specify Other Measures used?	
	Photograph-1 of compliance practice	



Photograph-2 of compliance practice



Was was the noise level observed on the site during the monitoring visit?

Low levels of noise (can hear speech over sound, low levels of noise at site)

Section 5: Air Quality and Dust



Are vehicles used for transporting material from harbour to project site?

Yes



Type of vehicle used?

Contractor's vehicle



Attach photo of the vehicle



Does the vehicle have an up to date road worthiness certificate

Yes



If yes, attach a copy of the certificate



How was materials transferred to the site?

Covered



Are machineries used well tuned / serviced?

Not Applicable / Not used



Did you observe high levels of dust generated in the work site?

No



Has dust generated from the site or construction material been deposited around the work site?



How frequently is the site being sprayed with water?

abc

Please specify the duration



Attach photo of the site to indicate ground condition

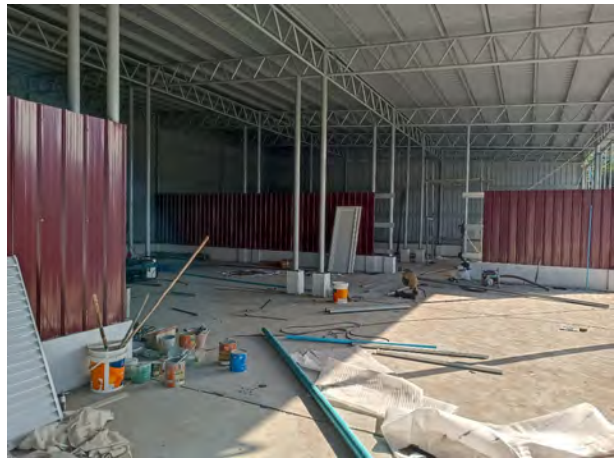


Are stockpiled construction materials covered?

Yes



Attach photo of how materials are stockpiled



Is the contractor open burning any waste on the site or near the site?

No



If Yes, include photograph of observer burning.



Did you notice any fumes or bad smells from the site being generated via the use of chemicals?

No



Were these bearable?

Section 6: Source of Sand

Is sand sourced for construction in compliance with national laws

<input checked="" type="radio"/>	and regulation?	Yes
	Provide photographic evidence	
	Actions Taken	

Section 7: Waste Management

<input checked="" type="radio"/>	Is Construction and Demolition waste (C&D) and/or green waste generated from the project?	Yes
	Type of Construction and Demolition waste (C&D) and/or green waste generated	<ul style="list-style-type: none"> • Old roofing sheets
abc	Provide details	
<input checked="" type="radio"/>	Are Construction and Demolition waste (C&D) and/or green waste being reused or considered to be reused for construction activities of the project?	No
	Types of waste being reused for construction?	
abc	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	<p>Reusable materials (metal bars, roofing sheets etc.) sold to the community or private construction</p> <ul style="list-style-type: none"> • workers
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
<input checked="" type="radio"/>	Is there evidence of littering in and around the site?	No



Attach photographic evidence

A bin is present for disposing
general waste generated by
workers?

Yes



Attach photographic evidence

Section 8: Impacts on Natural Environment

Does the site contain any
significant vegetation?

No

Was any vegetation present at
the site translocated to another
area of the island?

123

Specify the number of trees that
were translocatedProvide a photograph of the
translocated areaWas any vegetation removed /
chopped?

123

Specify the number of trees that
were removed / chopped

Attach photographic evidence

Was 2:1 replantation
undertaken?Indicate the location on which
replantation was undertaken

123

Indicate the number of trees that
were replanted?Provide a photograph of the
replanted area



Indicate planned date for replantation

Section 9: General Health and Safety



Is the site demarcated as a Construction Site?

Yes



Which method is used to demarcate the site?

Fencing



Attach a photograph of site demarcation



Is no entry sign board present?

No



Attach a photograph of no entry sign board



Is safety sign board with PPE requirement present?

No



Attach a photograph of PPE sign board

Section 10: Occupational Health and Safety



To what level are safety gears / Personal Protective Equipment (PPEs) being used?

Satisfactory (All workers are wearing dust masks, helmets, covered shoes, luminous vests and gloves at minimal while working in the site.)

- Boots/Covered Shoes
- Hard hats



What are the types of PPEs observed being used by the site workers?

- Goggles (workers, drilling, welding or using sharp machinery)
- Gloves- Thick latex
- Masks
- Safety Harnesses
- Luminous Jackets



Attach a photograph of workers with Boots/Covered Shoes



Attach a photograph of workers with Hard Hats



Attach a photograph of workers using ear muffs



Attach a photograph of welders using goggles



Attach a photograph of workers using gloves



Attach a photograph of workers using masks



Attach a photograph of workers using safety harness



Attach a photograph of workers using luminous jackets

abc

Provide details

Section 11: Management of COVID19



Is the country under a national public health emergency?

No



Is hand washing facility or hand sanitizers provided at the site?



Attach photograph



Have workers been briefed about the safety protocols and social distancing measures issues by the Ministry of Health of Maldives in line with Covid-19 during there work?



Are daily temperature records taken of all workers and documented in a log book at the work site at the start of the day?



If Yes, include a photograph of the log book.



Measures taken regarding COVID19 situation in labor camp



Attach supporting photograph of social distancing



Attach supporting photograph of hand hygiene facilities / arrangements





Attach supporting photograph of awareness materials

Section 12: Working Conditions and Labor

<input checked="" type="radio"/>	How is food arrangements being made for the contractor's workers?	Monthly allowance
123	Specify amount in MVR	
123	How many meals / breaks are provided per day	
123	What are the standard per day working hours?	
<input type="clock"/>	Specify work start time	
<input type="clock"/>	Specify work end time	
<input checked="" type="radio"/>	How is accommodation being arranged?	Rented house
<input checked="" type="radio"/>	Was staff accommodation checked during monitoring?	No
123	How many toilets / bathrooms are present?	
<input type="image"/>	Attach a photograph of accommodation facility	
<input type="list"/>	Facilities present at the accommodation	
abc	Specify	
<input checked="" type="radio"/>	Is the site of labor accommodation clean and sanitary and kept neatly?	
<input checked="" type="radio"/>	At the work site do the labor have a resting area with adequate drinking water supplies?	Yes








Section 13: Fire Safety

<input checked="" type="radio"/>	Is a portable extinguisher present at the site?	Yes
	Attach photographic of extinguisher	
	Other fire safety precautions taken	<ul style="list-style-type: none"> • No open electrical wires are found • Electrical wires installed by certified person


Section 14: Sociocultural Issues



123	What is the total number of workers recruited for the project?	6
<input checked="" type="radio"/>	Are any female workers recruited for the project?	No
123	Specify the number of female workers	
123	Specify the number of local workers	
123	Specify the number of expatriate workers	
<input checked="" type="radio"/>	Does all the expatriate workers have valid work permits and work visas?	
abc	Specify names of the staffs who do not have valid work permits and work visas	
<input checked="" type="radio"/>	Are all workers above the age of 18?	Yes

Section 15: Grievance Redress Mechanism (GRM)

<input type="radio"/>	Is project board with GRM information present at the site?	Yes
	Attach photograph of the GRM board	
	When does the contractor plan to do this?	
<input type="radio"/>	ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?	
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
	IF NO, WHEN DOES THE COUNCIL PLAN TO INSTALL THE SIGNAGE	
	WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?	
<input type="radio"/>	Has the concerned authorities been notified?	

Section 16: Status of Stakeholder Consultations

<input type="radio"/>	Have further Stakeholder Consultations been carried out?	No
	If Yes, provide Date and Time of Consultation?	
123	If Yes, Number of stakeholders consulted?	

123	Number of women consulted?
	Attach Minutes of Consultation
	If No, provide the planned date of next consultations?

Section 17: Informants

abc	Contractor's Informant Name and Designation	Lyco construction
abc	Council's Informant Name and Designation	Ali hafeez
abc	Name and Designation of the person who filled the form	Sridhar Rajendran, Civil engineer
<input checked="" type="checkbox"/>	I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature	

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today	
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Submitted by	



ESMP Monitoring Construct...

89 submissions

L

Consultants Declaration

I certify that to best of my knowledge the statements made in this ESMP monitoring for construction phase of IWRMC at Dhanbidhoo, Laamu Atoll, are true, complete, and correct.

Name: Mariyam Shujaa-ath

Consultant Registration Number: EIA-P(A) 08/2022

A handwritten signature in black ink, appearing to be 'MS' with a large flourish, located below the registration number.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 30th November 2023

Submission Record (25 of 78)



Language: English (en)

Validation status: Select...

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DUPLICATE



Type	Question	Response
Section 1: General Information		
<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Laamu
abc	Island Name	Dhanbidhoo
Section 2: Sub Project Details		
<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Composting Machine
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
	Sub Project Location?	
abc	Physical Progress	57.46
Section 3: Storage of Hazardous Chemicals during Construction		
<input checked="" type="radio"/>	Are fuel used for project purposes stored in sealed	Not Applicable / Observed

Section 1: General Information

 Project Zone Zone 5 Atoll Atoll Atoll Laamu

abc Island Name Dhanbidhoo

Section 2: Sub Project Details

 Type of Sub Project? IWRMC Composting Machine

abc Other Sub Project

 Sub-project details Construction of a new center

Sub Project Location?

abc Physical Progress 57.46

Section 3: Storage of Hazardous Chemicals during Construction

 Are fuel used for project purposes stored in sealed Not Applicable / Observed



ESMP Monitoring Constr...

78 submissions

L

— the containers



If No attach a photograph to show how fuel is currently being kept



WERE ALL HAZARDOUS CHEMICAL CONTAINERS (PAINTS, THINNERS, LUBRICANTS) STORE IN CLOSED CONTAINERS AND PLACED ON A IMPERMEABLE SURFACE (EITHER A CONCRETE SLAB, CONTAINED BOX OR LINED AND ISOLATED AREA?

Not Applicable / Observed



If Yes, attach photographic proof



If No, attach a photograph to show how the chemicals are being kept



WERE ANY CHEMICALS STORED CLOSE TO ELECTRICAL OUTLETS, OR ANY AREAS WHERE THERE IS A RISK OF FIRE AND EXPLOSION?

No



Include photographic evidence

Section 4: Noise Pollution Management Practices



What mitigation measures have been applied by the contractor to reduce noise pollution?

Construction Activity Only During
• Day Time (8.00am-6.00pm)

abc

Specify Other Measures used?



Photograph-1 of compliance



practice



Photograph-2 of compliance practice



Was was the noise level observed on the site during the monitoring visit?

Low levels of noise (can hear speech over sound, low levels of noise at site)

Section 5: Air Quality and Dust



Are vehicles used for transporting material from harbour to project site?

Yes



Type of vehicle used?

Hired from the island



Attach photo of the vehicle



Does the vehicle have an up to date road worthiness certificate



If yes, attach a copy of the certificate



How was materials transferred to the site?

Covered



Are machineries used well tuned / serviced?

Yes



Did you observe high levels of dust generated in the work site?

No








Has dust generated from the site or construction material been deposited around the work site?



How frequently is the site being sprayed with water?

abc

Please specify the duration

<p> Attach photo of the site to indicate ground condition</p>	
<p><input checked="" type="radio"/> Are stockpiled construction materials covered?</p>	<p>Yes</p>
<p> Attach photo of how materials are stockpiled</p>	
<p><input checked="" type="radio"/> Is the contractor open burning any waste on the site or near the site?</p>	<p>No</p>
<p> If Yes, include photograph of observer burning.</p>	
<p><input checked="" type="radio"/> Did you notice any fumes or bad smells from the site being generated via the use of</p>	<p>No</p>

chemicals ?

Were these bearable?

Section 6: Source of Sand

Is sand sourced for construction in compliance with national laws and regulation? Yes


 Provide photographic evidence



 Actions Taken

Section 7: Waste Management

Is Construction and Demolition waste (C&D) and/or green waste generated from the project? No

 Type of Construction and Demolition waste (C&D) and/or green waste generated

abc Provide details

<input checked="" type="radio"/>	Are Construction and Demolition waste (C&D) and/or green waste being reused or considered to be reused for construction activities of the project?	
	Types of waste being reused for construction?	
abc	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
<input checked="" type="radio"/>	Is there evidence of littering in and around the site?	No
	Attach photographic evidence	
<input checked="" type="radio"/>	A bin is present for disposing general waste generated by workers?	No
	Attach photographic evidence	

Section 8: Impacts on Natural Environment

<input checked="" type="radio"/>	Does the site contain any significant vegetation?	No
<input checked="" type="radio"/>	Was any vegetation present at the site translocated to another area of the island?	

123 Specify the number of trees that were translocated



Provide a photograph of the translocated area



Was any vegetation removed / chopped?

123 Specify the number of trees that were removed / chopped



Attach photographic evidence



Was 2:1 replantation undertaken?



Indicate the location on which replantation was undertaken

123 Indicate the number of trees that were replanted?



Provide a photograph of the replanted area



Indicate planned date for replantation

Section 9: General Health and Safety



Is the site demarcated as a Construction Site?

Yes



Which method is used to demarcate the site?

Fencing



Attach a photograph of site demarcation





Is no entry sign board present? Yes

Attach a photograph of no entry sign board



Is safety sign board with PPE requirement present? Yes









Attach a photograph of PPE sign board



Section 10: Occupational Health and Safety







To what level are safety gears / Personal Protective Equipment (PPEs) being used? Marginally Satisfactory (About 50% of workers are wearing dust masks, helmets, covered shoes, luminous vests and gloves at minimal while working in the site) U-

What are the types of PPEs

☰	observed being used by the site workers?	<ul style="list-style-type: none"> • Hard hats • Luminous Jackets
	Attach a photograph of workers with Boots/Covered Shoes	
	Attach a photograph of workers with Hard Hats	
	Attach a photograph of workers using ear muffs	
	Attach a photograph of welders using goggles	
	Attach a photograph of workers using gloves	
	Attach a photograph of workers using masks	
	Attach a photograph of workers using safety harness	
	<div data-bbox="834 1129 1419 1570" data-label="Image"> </div>	
abc	Provide details	





Section 11: Management of COVID19

<input type="radio"/>	Is the country under a national public health emergency?	No
<input type="radio"/>	Is hand washing facility or hand	


	sanitizers provided at the site?
	Attach photograph
<input checked="" type="radio"/>	Have workers been briefed about the safety protocols and social distancing measures issues by the Ministry of Health of Maldives in line with Covid-19 during there work?
<input checked="" type="radio"/>	Are daily temperature records taken of all workers and documented in a log book at the work site at the start of the day?
	If Yes, include a photograph of the log book.
	Measures taken regarding COVID19 situation in labor camp
	Attach supporting photograph of social distancing
	Attach supporting photograph of hand hygiene facilities / arrangements
	Attach supporting photograph of awareness materials

Section 12: Working Conditions and Labor

<input checked="" type="radio"/>	How is food arrangements being made for the contractor's workers?	Monthly allowance
123	Specify amount in MVR	1000
123	How many meals / breaks are provided per day	

123	What are the standard per day working hours?	8
	Specify work start time	09:00:00.000+05:00
	Specify work end time	17:00:00.000+05:00
<input type="radio"/>	How is accommodation being arranged?	Single Room
<input type="radio"/>	Was staff accommodation checked during monitoring?	No
123	How many toilets / bathrooms are present?	
	Attach a photograph of accommodation facility	
	Facilities present at the accommodation	
abc	Specify	
<input type="radio"/>	Is the site of labor accommodation clean and sanitary and kept neatly?	
<input type="radio"/>	At the work site do the labor have a resting area with adequate drinking water supplies?	No

Section 13: Fire Safety

<input type="radio"/>	Is a portable extinguisher present at the site?	Yes
		



Attach photographic of extinguisher



Other fire safety precautions taken

- No open electrical wires are found

Section 14: Sociocultural Issues

123	What is the total number of workers recruited for the project?	6
<input checked="" type="radio"/>	Are any female workers recruited for the project?	No
123	Specify the number of female workers	
123	Specify the number of local workers	1
123	Specify the number of expatriate workers	5
<input checked="" type="radio"/>	Does all the expatriate workers have valid work permits and work visas?	
abc	Specify names of the staffs who do not have valid work permits and work visas	
<input checked="" type="radio"/>	Are all workers above the age of 18?	Yes

5/15

Section 15: Grievance Redress Mechanism (GRM)



Is project board with GRM information present at the site?

Yes



Attach photograph of the GRM board



When does the contractor plan to do this?



ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?

No



Attach photographic evidence



Attach photographic evidence



Attach photographic evidence



IF NO, WHEN DOES THE COUNCIL PLAN TO INSTALL THE SIGNAGE






WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?




Has the concerned authorities been notified?

Section 16: Status of Stakeholder Consultations

<input type="radio"/>	Have further Stakeholder Consultations been carried out?	No
	If Yes, provide Date and Time of Consultation?	
123	If Yes, Number of stakeholders consulted?	
123	Number of women consulted?	
	Attach Minutes of Consultation	
	If No, provide the planned date of next consultations?	

Section 17: Informants

abc	Contractor's Informant Name and Designation	Moosa Ahmed site supervisor
abc	Council's Informant Name and Designation	N/A
abc	Name and Designation of the person who filled the form	Ahmed Emaan project coordinator
<input checked="" type="checkbox"/>	I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature	

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today	
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username	
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Submitted by	

Consultants Declaration

I certify that to best of my knowledge the statements made in this ESMP monitoring for construction phase of IWRMC at Dhanbidhoo, Laamu Atoll, are true, complete, and correct.

Name: Azim Musthag

Consultant Registration Number: EIA-T(A) 10/2022



Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 30th August 2023



Language: English (en)

Validation status: Select...

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DUPLICATE



Type

Question

Response

Section 1: General Information

<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Laamu
abc	Island Name	Dhanbidhoo

Section 2: Sub Project Details

<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Composting Machine
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
	Sub Project Location?	latitude (x.y °): 2.085206 longitude (x.y °): 73.542045 altitude (m): -86.4000015258789 accuracy (m): 12.125
abc	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction



Are fuel used for project purposes stored in sealed containers?

Not Applicable / Observed



If Yes attach, a photograph of the containers



If No attach a photograph to show how fuel is currently being kept



WERE ALL HAZARDOUS CHEMICAL CONTAINERS (PAINTS, THINNERS, LUBRICANTS) STORE IN CLOSED CONTAINERS AND PLACED ON A IMPERMEABLE SURFACE (EITHER A CONCRETE SLAB, CONTAINED BOX OR LINED AND ISOLATED AREA?

Not Applicable / Observed



If Yes, attach photographic proof



If No, attach a photograph to show how the chemicals are being kept



WERE ANY CHEMICALS STORED CLOSE TO ELECTRICAL OUTLETS, OR ANY AREAS WHERE THERE IS A RISK OF FIRE AND EXPLOSION?

No



Include photographic evidence

Section 4: Noise Pollution Management Practices



What mitigation measures have been applied by the contractor to reduce noise pollution?

abc

Specify Other Measures used?



Photograph-1 of compliance practice



Photograph-2 of compliance practice



Was was the noise level observed on the site during the monitoring visit?

Moderate (normal construction site operation, bearable but moderately noisy)

Section 5: Air Quality and Dust



Are vehicles used for transporting material from harbour to project site?

No



Type of vehicle used?



Attach photo of the vehicle



Does the vehicle have an up to date road worthiness certificate



If yes, attach a copy of the certificate



How was materials transferred to the site?

Not Observed



Are machineries used well tuned / serviced?

Yes



Did you observe high levels of dust generated in the work site?

No



Has dust generated from the site or construction material been deposited around the work site?



How frequently is the site being sprayed with water?

abc

Please specify the duration



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

Yes



Attach photo of how materials are stockpiled



Is the contractor open burning any waste on the site or near the site?

No



If Yes, include photograph of observer burning.



Did you notice any fumes or bad smells from the site being generated via the use of chemicals?

No



Were these bearable?

Section 6: Source of Sand

Is sand sourced for construction in compliance with national laws

and regulation?

Yes



Provide photographic evidence



Actions Taken

Section 7: Waste Management



Is Construction and Demolition waste (C&D) and/or green waste generated from the project?

No










Type of Construction and Demolition waste (C&D) and/or green waste generated

abc






Provide details

Are Construction and Demolition waste (C&D) and/or green waste



<input type="radio"/>	being reused or considered to be reused for construction activities of the project?	
	Types of waste being reused for construction?	
abc	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
<input type="radio"/>	Is there evidence of littering in and around the site?	No
	Attach photographic evidence	
<input type="radio"/>	A bin is present for disposing general waste generated by workers?	No
	Attach photographic evidence	

Section 8: Impacts on Natural Environment

<input type="radio"/>	Does the site contain any significant vegetation?	No
<input type="radio"/>	Was any vegetation present at the site translocated to another area of the island?	
123	Specify the number of trees that were translocated	

	Provide a photograph of the translocated area
<input type="radio"/>	Was any vegetation removed / chopped?
123	Specify the number of trees that were removed / chopped
	Attach photographic evidence
<input type="radio"/>	Was 2:1 replantation undertaken?
	Indicate the location on which replantation was undertaken
123	Indicate the number of trees that were replanted?
	Provide a photograph of the replanted area
	Indicate planned date for replantation

Section 9: General Health and Safety

<input type="radio"/>	Is the site demarcated as a Construction Site?	Yes
<input type="radio"/>	Which method is used to demarcate the site?	Fencing
	Attach a photograph of site demarcation	



Is no entry sign board present?

Yes



Attach a photograph of no entry sign board



Is safety sign board with PPE requirement present?

Yes



Attach a photograph of PPE sign board



Section 10: Occupational Health and Safety



To what level are safety gears / Personal Protective Equipment (PPEs) being used?

Marginally Satisfactory (About 50% of workers are wearing dust masks, helmets, covered shoes, luminous vests and gloves at minimal while working in the site) U-



What are the types of PPEs observed being used by the site workers?







- Boots/Covered Shoes
- Hard hats





Attach a photograph of workers with Boots/Covered Shoes



Attach a photograph of workers with Hard Hats

	Attach a photograph of workers using ear muffs
	Attach a photograph of welders using goggles
	Attach a photograph of workers using gloves
	Attach a photograph of workers using masks
	Attach a photograph of workers using safety harness
	Attach a photograph of workers using luminous jackets
abc	Provide details

Section 11: Management of COVID19

<input type="radio"/>	Is the country under a national public health emergency?	No
<input type="radio"/>	Is hand washing facility or hand sanitizers provided at the site?	
	Attach photograph	
<input type="radio"/>	Have workers been briefed about the safety protocols and social distancing measures issues by the Ministry of Health of Maldives in line with Covid-19 during there work?	
<input type="radio"/>	Are daily temperature records taken of all workers and documented in a log book at the work site at the start of the day?	
	If Yes, include a photograph of	

the log book.



Measures taken regarding
COVID19 situation in labor camp



Attach supporting photograph of
social distancing



Attach supporting photograph of
hand hygiene facilities /
arrangements



Attach supporting photograph of
awareness materials

Section 12: Working Conditions and Labor



How is food arrangements being
made for the contractor's
workers? Contractor

123

Specify amount in MVR

123

How many meals / breaks are
provided per day

123

What are the standard per day
working hours?



Specify work start time



Specify work end time



How is accommodation being
arranged? Rented house



Was staff accommodation
checked during monitoring? No

123

How many toilets / bathrooms
are present?



Attach a photograph of accommodation facility



Facilities present at the accommodation

abc

Specify



Is the site of labor accommodation clean and sanitary and kept neatly?



At the work site do the labor have a resting area with adequate drinking water supplies?

Yes

Section 13: Fire Safety



Is a portable extinguisher present at the site?

Yes



Attach photographic of extinguisher



Other fire safety precautions taken

- No open electrical wires are found

Section 14: Sociocultural Issues

123	What is the total number of workers recruited for the project?	10
<input checked="" type="radio"/>	Are any female workers recruited for the project?	No
123	Specify the number of female workers	
123	Specify the number of local workers	

123

Specify the number of expatriate workers



Does all the expatriate workers have valid work permits and work visas?

abc

Specify names of the staffs who do not have valid work permits and work visas



Are all workers above the age of 18?

Section 15: Grievance Redress Mechanism (GRM)



Is project board with GRM information present at the site?

Yes



Attach photograph of the GRM board



When does the contractor plan to do this?



ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?

No



Attach photographic evidence



Attach photographic evidence



Attach photographic evidence



IF NO, WHEN DOES THE COUNCIL PLAN TO INSTALL THE SIGNAGE



WAS ANY GRIEVANCE
RELATED TO THE
FOLLOWING ISSUES
RECEIVED?



Has the concerned authorities
been notified?

Section 16: Status of Stakeholder Consultations



Have further Stakeholder
Consultations been carried out? No



If Yes, provide Date and Time of
Consultation?

123

If Yes, Number of stakeholders
consulted?

123

Number of women consulted?



Attach Minutes of Consultation



If No, provide the planned date
of next consultations?

Section 17: Informants

abc

Contractor's Informant Name
and Designation Mohamed Riyaz - Managing Director

abc

Council's Informant Name and
Designation Ali Hafeez - Assistant Council Officer

abc

Name and Designation of the
person who filled the form Ibrahim Azhan Mohamed - Environmental
Officer



I certify that all the data captures
is accurate to the best of my
knowledge OK



Signature

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Submitted by	



ESMP Monitoring Construct...

43 submissions

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Consultants Declaration

I certify that to best of my knowledge the statements made in this ESMP monitoring for construction phase of IWRMC at Dhambidhoo, Laamu Atoll, are true, complete, and correct.

Name: Mariyam Shujaa-ath

Consultant Registration Number: EIA-P(A) 08/2022

A handwritten signature in black ink, appearing to be 'MS' with a large circular flourish on the left side.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 30th September 2023



Language: English (en)

Validation status: Select...

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DUPLICATE



Type

Question

Response

Section 1: General Information

<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Laamu
abc	Island Name	Dhanbidhoo

Section 2: Sub Project Details

<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Composting Machine
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
	Sub Project Location?	
abc	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

<input checked="" type="radio"/>	Are fuel used for project purposes stored in sealed	Not Applicable / Observed
----------------------------------	---	---------------------------

containers?



If Yes attach, a photograph of the containers



If No attach a photograph to show how fuel is currently being kept



WERE ALL HAZARDOUS CHEMICAL CONTAINERS (PAINTS, THINNERS, LUBRICANTS) STORE IN CLOSED CONTAINERS AND PLACED ON A IMPERMEABLE SURFACE (EITHER A CONCRETE SLAB, CONTAINED BOX OR LINED AND ISOLATED AREA?

Not Applicable / Observed



If Yes, attach photographic proof



If No, attach a photograph to show how the chemicals are being kept



WERE ANY CHEMICALS STORED CLOSE TO ELECTRICAL OUTLETS, OR ANY AREAS WHERE THERE IS A RISK OF FIRE AND EXPLOSION?

No



Include photographic evidence

Section 4: Noise Pollution Management Practices





What mitigation measures have been applied by the contractor to reduce noise pollution?



Construction Activity Only During
• Day Time (8.00am-6.00pm)

abc

Specify Other Measures used?

	Photograph-1 of compliance practice	
	Photograph-2 of compliance practice	
<input checked="" type="radio"/>	Was was the noise level observed on the site during the monitoring visit?	Low levels of noise (can hear speech over sound, low levels of noise at site)

Section 5: Air Quality and Dust

<input checked="" type="radio"/>	Are vehicles used for transporting material from harbour to project site?	No
<input checked="" type="radio"/>	Type of vehicle used?	
	Attach photo of the vehicle	
<input checked="" type="radio"/>	Does the vehicle have an up to date road worthiness certificate	
	If yes, attach a copy of the certificate	
<input checked="" type="radio"/>	How was materials transferred to the site?	Not Observed
<input checked="" type="radio"/>	Are machineries used well tuned / serviced?	Not Applicable / Not used
<input checked="" type="radio"/>	Did you observe high levels of dust generated in the work site?	No
<input checked="" type="radio"/>	Has dust generated from the site or construction material been deposited around the work site?	
<input checked="" type="radio"/>	How frequently is the site being sprayed with water?	
abc	Please specify the duration	



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

Yes



Attach photo of how materials are stockpiled



Is the contractor open burning any waste on the site or near the site?

No



If Yes, include photograph of observer burning.



Did you notice any fumes or bad smells from the site being generated via the use of chemicals?

No



Were these bearable?

Section 6: Source of Sand



Is sand sourced for construction in compliance with national laws

Yes

and regulation?



Provide photographic evidence



Actions Taken

Section 7: Waste Management



Is Construction and Demolition waste (C&D) and/or green waste generated from the project? No



Type of Construction and Demolition waste (C&D) and/or green waste generated

abc







Provide details



Are Construction and Demolition waste (C&D) and/or green waste being reused or considered to be reused for construction activities of the project?








Types of waste being reused for construction?



abc	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
<input checked="" type="radio"/>	Is there evidence of littering in and around the site?	No
	Attach photographic evidence	
<input checked="" type="radio"/>	A bin is present for disposing general waste generated by workers?	No
	Attach photographic evidence	

Section 8: Impacts on Natural Environment

<input checked="" type="radio"/>	Does the site contain any significant vegetation?	No
<input checked="" type="radio"/>	Was any vegetation present at the site translocated to another area of the island?	
123	Specify the number of trees that were translocated	
	Provide a photograph of the translocated area	
<input checked="" type="radio"/>	Was any vegetation removed / chopped?	
	Specify the number of trees that	

123	were removed / chopped
	Attach photographic evidence
	Was 2:1 replantation undertaken?
	Indicate the location on which replantation was undertaken
123	Indicate the number of trees that were replanted?
	Provide a photograph of the replanted area
	Indicate planned date for replantation

Section 9: General Health and Safety

	Is the site demarcated as a Construction Site?	Yes
	Which method is used to demarcate the site?	Fencing



Attach a photograph of site demarcation



Is no entry sign board present?

Yes



Attach a photograph of no entry sign board



Is safety sign board with PPE requirement present?

Yes



Attach a photograph of PPE sign board



Section 10: Occupational Health and Safety



To what level are safety gears / Personal Protective Equipment (PPEs) being used?



What are the types of PPEs observed being used by the site workers?



Attach a photograph of workers with Boots/Covered Shoes






Attach a photograph of workers with Hard Hats







Attach a photograph of workers using ear muffs



Attach a photograph of welders using goggles

	Attach a photograph of workers using gloves
	Attach a photograph of workers using masks
	Attach a photograph of workers using safety harness
	Attach a photograph of workers using luminous jackets
abc	Provide details

Section 11: Management of COVID19

<input type="radio"/>	Is the country under a national public health emergency?	No
<input type="radio"/>	Is hand washing facility or hand sanitizers provided at the site?	
	Attach photograph	
<input type="radio"/>	Have workers been briefed about the safety protocols and social distancing measures issues by the Ministry of Health of Maldives in line with Covid-19 during there work?	
<input type="radio"/>	Are daily temperature records taken of all workers and documented in a log book at the work site at the start of the day?	
	If Yes, include a photograph of the log book.	
	Measures taken regarding COVID19 situation in labor camp	
	Attach supporting photograph of	

social distancing



Attach supporting photograph of hand hygiene facilities / arrangements



Attach supporting photograph of awareness materials

Section 12: Working Conditions and Labor



How is food arrangements being made for the contractor's workers?

123

Specify amount in MVR

123

How many meals / breaks are provided per day

123

What are the standard per day working hours?



Specify work start time



Specify work end time



How is accommodation being arranged?



Was staff accommodation checked during monitoring?

123

How many toilets / bathrooms are present?



Attach a photograph of accommodation facility



Facilities present at the accommodation

abc

Specify



Is the site of labor accommodation clean and sanitary and kept neatly?



At the work site do the labor have a resting area with adequate drinking water supplies?

Section 13: Fire Safety



Is a portable extinguisher present at the site?

No



Attach photographic of extinguisher



Other fire safety precautions taken

- No open electrical wires are found

Section 14: Sociocultural Issues

123

What is the total number of workers recruited for the project?



Are any female workers recruited for the project?

123

Specify the number of female workers

123

Specify the number of local workers

123

Specify the number of expatriate workers



Does all the expatriate workers have valid work permits and work visas?

abc

Specify names of the staffs who do not have valid work permits and work visas



Are all workers above the age of 18?

Section 15: Grievance Redress Mechanism (GRM)



Is project board with GRM information present at the site?

Yes



Attach photograph of the GRM board



When does the contractor plan to do this?



ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?



Attach photographic evidence



Attach photographic evidence



Attach photographic evidence



IF NO, WHEN DOES THE COUNCIL PLAN TO INSTALL THE SIGNAGE



WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?



Has the concerned authorities been notified?

Section 16: Status of Stakeholder Consultations



Have further Stakeholder Consultations been carried out?



If Yes, provide Date and Time of Consultation?

123

If Yes, Number of stakeholders consulted?

123

Number of women consulted?



Attach Minutes of Consultation



If No, provide the planned date of next consultations?

Section 17: Informants

abc	Contractor's Informant Name and Designation	Dhinesh
abc	Council's Informant Name and Designation	Ali Hafeez - Assistant Council Officer (not present)
abc	Name and Designation of the person who filled the form	Azhaan Mohamed - Project Coordinator (Riyan)
<input checked="" type="checkbox"/>	I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature	

start

2023-09-24T09:44:38.755+05:00

end

2023-10-12T11:38:51.082+05:00

today

username

device ID

ee.kobotoolbox.org:G39GEMQC00HFJsws

phone number	phonenumber not found
audit	
__version__	vHgrde83WKAA7taMARsXxw
_id	272315092
instanceID	uuid:5751b403-5c89-4006-bb9c-d2a72cedcfec
Submitted by	



ESMP Monitoring Construct...

52 submissions

L

Appendix 5 Groundwater Quality Analysis Reports



LB-TEST-090

WATER QUALITY TEST REPORT
 Report No: 500198002

Customer Information:
 Land & Marine Environment Resources
 H.Azum
 Ameeneemagu
 Male' MALE

Report date: **09/10/2023**
 Test Requisition Form No: **900198797**
 Sample(s) Recieved Date: **03/10/2023**
 Date of Analysis: **04/10/2023 - 04/10/2023**

Sample Description ~	Th. Kinbidhoo	L. Dhanbidhoo	Th. Madifushi	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83243046	83243047	83243048		
Sampled Date ~	29/08/2023 01:30 PM	27/08/2023 03:45 PM	28/08/2023 10:15 AM		
PARAMETER	ANALYSIS RESULT				
Physical Appearance	Pale yellow with particles	Pale yellow with particles	Pale yellow with particles		
Nitrate *	3.3	2.5	2.7	HACH Method 8039	mg/L

Keys: mg/L : Milligram Per Liter

Checked by

Aminath Sofa
 Senior Laboratory Executive

Approved by

Nihaz A. Zahir
 Assistant Quality Manager

Notes:

Sampling Authority: Sampling was not done by MWSC Laboratory.
 This report shall not be reproduced except in full, without written approval of MWSC.
 This test report is ONLY FOR THE SAMPLES TESTED.
 ~ Information provided by the customer. This information may affect the validity of the test results.
 *Parameters accredited by Eiac under ISO/IEC 17025:2017



LB-TEST-090

WATER QUALITY TEST REPORT
 Report No: 500201970

Customer Information:

Riyan PVT Ptd
 H.Azum
 Ameeneemagu
 Male' MALE'

Report date: **08/09/2024**
 Test Requisition Form No: **900201357**
 Sample(s) Recieved Date: **29/08/2024**
 Date of Analysis: **29/08/2024 - 29/08/2024**

Sample Description ~	IWRMC Project/La. Dhanbidhoo; IWRMC Site	IWRMC Project/ La. Dhanbidhoo; Control Site	IWRMC Project/Th. Madifushi; IWRMC Site	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83252065	83252066	83252067		
Sampled Date ~	27/08/2024 02:46 PM	27/08/2024 03:03 PM	27/08/2024 05:53 PM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT				
Nitrate *	6.8	3.1	7.2	HACH Method 8171	mg/L

Keys: mg/L : Milligram Per Liter

Checked by

Nashath Ali
 Laboratory Executive

Approved by

Nihaz A. Zahir
 Assistant Quality Manager

Notes:

Sampling Authority: Sampling was not done by MWSC Laboratory.
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Appendix 6 IWRMC handover letter

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



ދިވެހިސަރުކާރުގެ ގެޒެޓް ގައި ބަޔާންކުރި ގޮތުގައި، ސަރުކާރުގެ ސަރުކާރުގެ ނިންމުމަކީ ނެވެ،
ދިވެހިސަރުކާރުގެ ގެޒެޓް ގައި ބަޔާންކުރި ގޮތުގައި.

438-WMPC/396/2024/5 : ނަންބަރު

އިތުރު ފޮޓޯ ފަދަ ސަބަބުތަކުގެ ސަބަބުން ސަރުކާރުގެ ސަރުކާރުގެ ނިންމުމަކީ ނެވެ،
ފޮޓޯ ފަދަ ސަބަބުތަކުގެ ސަބަބުން ސަރުކާރުގެ ސަރުކާރުގެ ނިންމުމަކީ ނެވެ.

މ.ސ.އ. ސަރުކާރުގެ ގެޒެޓް ގައި ބަޔާންކުރި ގޮތުގައި ސަރުކާރުގެ ސަރުކާރުގެ ނިންމުމަކީ ނެވެ.

އިތުރު ފޮޓޯ ފަދަ ސަބަބުތަކުގެ ސަބަބުން ސަރުކާރުގެ ސަރުކާރުގެ ނިންމުމަކީ ނެވެ،
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28 ސެޕްޓެމްބަރު 1445 ހ.

07 ޖުލައި 2024 ގ.

އިތުރު ފޮޓޯ ފަދަ ސަބަބުތަކުގެ ސަބަބުން ސަރުކާރުގެ ސަރުކާރުގެ ނިންމުމަކީ ނެވެ،
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