

Environmental Monitoring Report for Construction Phase

Updated Environmental and Social Management Plan for the Establishment of Island Waste and Resource Management Centre with Aerobic Technology using Composting Machine at Kholhufushi, Meemu Atoll

Location: Meemu Atoll

Riyan Pvt. Ltd.

Michael Competente Rubia

Proponent: Ministry of Climate Change, Environment & Energy

October 2024

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Consultant 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 with using Composting machine at, Kolhufushi, Meemu Atoll, are true, complete and correct.

Name: Michael Competente Rubia

Designation: Environmental & Social Safeguard Officer

Signature:

A handwritten signature in blue ink, appearing to be 'M. Rubia', written over a circular stamp or mark.

Company Name: Riyan Private Limited

Date: 4th November 2024

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



Ministry of Climate Change, Environment and Energy

Male', Republic of Maldives

Client's Confirmation

This is to confirm that the review comments provided by the MCEP-PMU have been adequately addressed. I confirm to the best of my knowledge that the E&S monitoring report is prepared in line with the requirement of the ESMP for the Establishment of Island Waste Resource Management Centre with Aerobic Technology with using Composting machine at, Kolhufushi, Meemu Atoll. Therefore, we hereby approve this report.

Name: Ahmed Hassaan Zuhair

Designation: Environmental and Social Safeguards Specialist

Institution: Maldives Clean Environment Project.

Signature:

Date: 19 November 2024

1 Introduction

The proposed project involves establishment of an Island Waste Resource Management Centre with aerobic technology using Composting machine at M. Kholufushi. The Proponent of this project is the Ministry of Environment and funded by the World Bank and executed through the Maldives Clean Environment Project (MCEP). 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 Winland Pvt Ltd. after a competitive bidding process and agreement signed on 24th November 2022. The project was completed on 9th June 2024. The project completion 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

Currently there is no formal waste management center in the Island of M. Kolhufushi. Waste disposal at present is carried out in 2 locations; one at the northern side and one at the western side of the Island. All waste is collected at these two sites where all combustible waste gets disposed through open burning. As waste is not properly managed in the Island, the locations where waste are disposed is full of all kinds of waste and are heavily polluted.

The proposed Island Waste Resource Management Centre (IWRMC) under the current project is located at the south-western side of the Island. Ministry of Environment is the proponent of this project through Maldives Clean Environment Project and funded by the World Bank (WB). The approved site location for IWRMC are requires removal of a number of old/ mature coconut palms from the site. The details of vegetation clearance are given in this report under Section 6.

The project will include construction of new infrastructure inclusive of mechanical composting area with consist of a 753.12 sq. meter IWRMC. The proponent of the project will intend to establish a full-fledged IWRMC and facilitate piloting of in-vessel composting in Kolhufushi. 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).

Additional details of the project are described in the Updated ESMP for establishment of Island Waste Resource Management Centre in M. Kolhufushi (LAMER Group Pvt Ltd, 2021).

2 Monitoring schedule and compliance

Riyan Pvt Ltd was 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. Documents for health and safety item 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 11 site visits were made from between July 2023 to May 2024.

3 Project components

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

1. Site preparation;

The proposed IWRMC site is contained of Coconut palms (*Cocos Nucifera*) which need to be cleared to enable construction work at the site. It is estimated that 66 coconut palms will require removal from the site. Access to the site will be made clearing roads on the eastern and northern side, scope will be done by Island Council. At the present, proposed IWRMC site can be accessed from the road going to Powerhouse. However, during consultation, the Council stated that they do not want to utilize this road as they did not want to transfer the waste via road which goes on front of the power house for various reason.

2. Clean-up of existing waste;

The proposed location of construction of IWRMC site is located at south-western side of the Island. Currently, two open dumping areas are available in the Island of Kolhufushi, wherein it was located at southern side ward and northern ward. For the dumping area allocated at northern side ward is approximately 1,275 meter distant from the proposed IWRMC site. While, the dumping area allocated at southern side ward is approximately 170 meter distant from the proposed IWRMC site. Therefore, clean-up of existing waste was not executed due to the two open dumping areas were different location from the approved IWRMC site.

3. Construction of IWRMC;

The following work were carried out as part of construction of the IWRMC:

- For Administrative and Supporting Infrastructure
 - Office /Store / Toilet
 - Groundwater Well
 - Installation of drains
 - Rainwater pits
 - Water Connection
 - Electrical works
 - Fire Safety Equipment
 - Construction of perimeter wall
 - Plumbing works
 - Construction of slab
 - Construction of Leachate Tank

- For Operational Infrastructure
 - Waste unloading, loading and weighing area
 - Organic waste composting area
 - Inorganic waste processing area
 - Processed inorganic waste storage area
 - Bulk waste storage area
 - Hazardous waste storage area

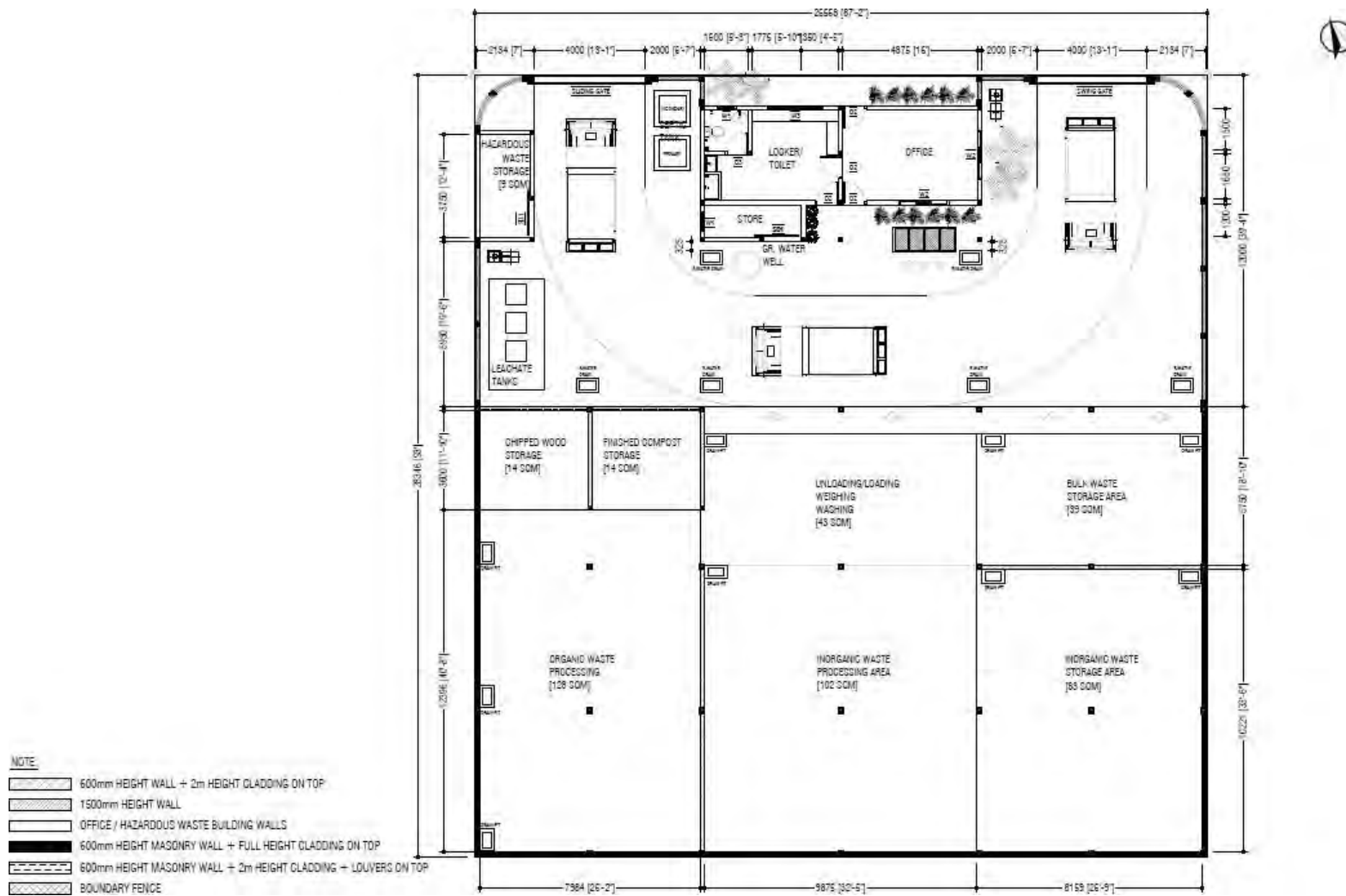


Figure 1. Schematic layout of proposed IWRMC.

4 Project progress

All civil works of the project were completed on 9th June 2024, including plumbing, electrical works and fixing of the firefighting equipment.

Table 1. Type of firefighting equipment and location

Item No:	Equipment	Quantity	Location
1	50KG DCP Trolley	2	Collection bay
2	SOL TR Foam Trolley	1	Collection bay
3	Wet Chemical 6Ltr with Cabinet	1	Hazardous waste area
4	Water 9Ltr with Cabinet for Office Area	1	Outside office
5	CO ₂ 2KG with Cabinet for Office Area	1	Outside office



Figure 2. Firefighting equipment

5 Implementation of mitigation measures

All mitigation measures formulated in the initial ESMP report for each aspect were successfully implemented throughout the period of construction phase. Though, there are some findings for non-compliance which recorded during construction phase and these issues were noticed during site visit. Those findings were listed in Table 2 including its remedial action were resolved by the responsible party. In addition to, those findings listed below were considered as minors and no significant effects in the event of construction phase.

Table 2. Details of Non-Compliance were identified and its remedial action throughout the construction phase.

Entry Date	Details of Non-compliance	Remedial Action	Status	Date Resolved
30 th October 2024	Littering observed on site	Instruction issued to Contractor to rectify via mail	Resolved	December 2023
28-Nov-23	No bin observed on site	Instruction issued to Contractor to rectify via mail	Resolved	December 2023
28-Nov-23	Site demarcation still not in place	Instruction issued to Contractor to rectify via mail	Resolved	December 2023
20-Mar-24	Lack of portable fire extinguishers on-site	Contractor has instructed to resolved the issue during site visit	Resolved	April 16 2024

6 Vegetation clearance and replantation details

According to the Vegetation Compensation Issuance Report of the Batch 2 IWRMCs of Zone 4 & 5, 51 privately owned coconut palms within the development area of the waste management centre and 15 additional palms belonging to the Island Council were removed. Compensation to the privately owned was paid at the rate of MVR 750.00 per mature coconut palm. A total of MVR 38,250.00 was paid as compensation for the vegetation clearance.

Based on the vegetation removal form from M. Kolhufushi site dated 9th March 2023. 68 nos of coconut trees from the project site with size of 8-40 ft were removed on site while there are 104 nos. of coconut trees with size of 2-8 feets being removed and replanted in other locations in M.Kolhufushi. As per the information provided by the Island Council, approximately 350 nos of

trees being replanted in the Island of M. Kolhufushi and satisfy the compensatory 2:1 replantation as per the EPA regulation. Photographs of replantation are given below.

Table 3. Vegetation Information

Details of Vegetations	No. of trees
Coconut trees removed from the Island to Another site (size: 8-40 ft)	68
Coconut trees removed & replanted in other locations in Kolhufushi (Size 2-8 feet)	104
Replanted trees	350

Photographs of Replantation:



Replantation Plan View



Photograph of replantation (1)

Figure 3: Location of Replantation (#1) and photograph.



Replantation Plan View



Photograph of replantation (2)

Figure 4: Location of Replantation (2) and photograph.



Replantation Plan View



Photograph of replantation (3)

Figure 5: Location of Replantation (#3) and photograph.

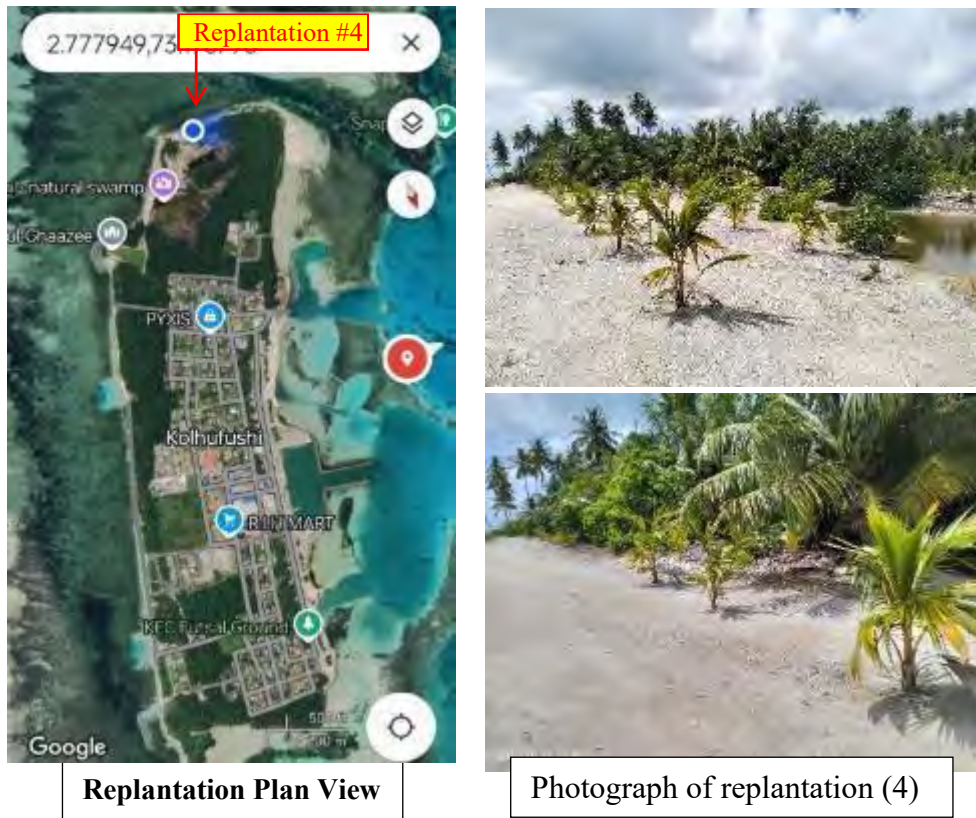


Figure 6: Location of Replantation (#4) and photograph.

7 Grievances

Grievance Redress Mechanism (GRM) of MCEP was functional at M. Kolhufushi. The Council appointed an employee of the Council as a waste management focal point for managing the GRM at Tier 1. 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.

Throughout the construction phase, there was no grievances were filed and recorded in the online GRM Log sheet. And no grievance was raised during site visits by the supervision team of Riyan.



Figure 7. 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	M. Kholufushi				REMARKS	
	Sampling Location	IWRMC Site	Control Site	IWRMC Site		Control Site
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water		Tested using Hanna Multiparameter probe
Sampling Date & Time	Jul-23	Jul-23	10-Aug 2024	10-Aug 2024		
Parameters	Analysis Results					
Temperature (°C)	29.88	29.47	29.6	29.6		
pH	7.4	7.56	9.97	7.15	Test done at MWSC Water Quality Assurance Laboratory	
Electrical Conductivity (µS/cm)	5172	1132	554	810		
Total Dissolved Solids (ppm)	2586	566	277	411		
Salinity (PSU)	2.8	0.57	-	-		
Physical Appearance	Pale yellow with particles	Clear with particles	Clear with particles	Clear with particles		
Nitrate (mg/L)	2.3	1.5	1.1	1.7		

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

9 Plan for operationalizing the IWRMC

A Memorandum of Understanding (MoU) will be signed between the MCCEE and M. Kholufushi Council before officiating the handover of the IWRMC operations to the Council.

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. Upon completion of the civil work, the IWRMC was handed over to the Island Council on 9th September 2024 (refer to Appendix 6).

The Island Council has formulated and published in the government gazette a Regulation on waste management and disposal for the island (2013/R-1631). Furthermore, all plans and guidelines to ensure proper implementation of the Regulation should be formulated and publicized within 3 months of the implementation of the Regulation. However, based on the ESMP report, there has been no waste management plan prepared or implemented.

Upon completion of Civil works, the IWRMC was handed over to the Island Council dated 9th September 2024 (refer to Appendix 6).

Kolhufushi WRMC is registered in the URA and Waste Management Permit was issued on 16 July 2024 for a period of 1 year (refer to Appendix 7).

10 Conclusion

Establishment of an Island Waste and Resource Management Centre (IWRMC) with in vessel composting technology in M. Kolhufushi was completed on 9th June 2024. This project was contracted by Winland Pvt Ltd and funded by the World Bank and executed through the Maldives Clean Environment Project (MCEP).

The ESMP monitoring carried out for the project confirms that the construction of the IWRMC was completed in conformity to the ESMP and 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 has been noted that these were minor issues.

All necessary firefighting equipment were purchased and have been installed at the facility. No grievances were received from the public during the construction phase.

The center was handed over to Kolhufushi council for operations on 9th September 2024. Kolhufushi IWRMC is registered in the URA and have obtained a waste management permit for a period of 1 year.

Operational phase monitoring responsibility lies with the operator which is the Island Council and shall be performed after 6 months of commencing operations.

Appendices



2. The decision has been made by the Ministry on the following conditions:

i. In the event the project activity has not commenced within one (1) year from the date of issue, or if the duration of this Environmental Decision Statement has not been extended, this Environmental Decision Statement shall be considered null and void.

ii. In the event the project activities have been delayed for more than one (1) year due to unforeseen circumstances, the Ministry shall have the discretion to extend the duration of the Environmental Decision Statement, or to terminate it. In such circumstances the proponent shall write to the Minister for an extension clearly stating out the reasons for the delay.

iii. The Minister, or his designate, may issue a cessation order requiring persons working on a Development Proposal to cease working until the order is withdrawn, if:

2. في حالة اتخاذ القرار من قبل الوزارة على الشروط التالية:

i. في حال عدم بدء نشاط المشروع في غضون سنة واحدة من تاريخ إصدار القرار البيئي، أو إذا لم يتم تمديد مدة القرار البيئي، فإن القرار البيئي يعتبر باطلاً وبغير أثر.

ii. في حال تأخر الأنشطة الخاصة بالمشروع لأكثر من سنة واحدة بسبب ظروف غير متوقعة، فإن الوزارة لديها سلطة تقديرية لتمديد مدة القرار البيئي، أو إنهائه. في مثل هذه الظروف، يجب على المدعي كتابة خطاب إلى الوزير يطلب فيه تمديد المدة، مع توضيح أسباب التأخر.

iii. يجوز للوزير، أو من يمثله، إصدار أمر بإيقاف العمل على مقترح التنمية، إذا كان يعمل على ذلك الأشخاص، إذا كان:

(Handwritten signature)



Appendix 2 Project takeover certificate

(Note: TOC is not issued due to waiting for the completion of Snag Rectification).

Appendix 3 Draft Contractor's declaration and HS items

ESHS/OHS/GBV Codes of Conduct and Action Plan

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 implementing its 'Contractors Environmental and Social Management Plan' (C-ESMP) as approved by the client.
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:
 - i. prohibit the use of alcohol during work activities.
 - ii. prohibit the use of narcotics or other substances which can impair faculties at all times.
11. The company will ensure that adequate sanitation facilities are available on site and at any worker accommodations provided to those working on the project.

16 May 2018

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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.

Gender Based Violence

13. 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.
14. 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.
15. 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.
16. 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.
17. The use of prostitution in any form at any time is strictly prohibited.
18. 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.
19. 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.
20. In addition to company sanctions, legal prosecution of those who commit acts of GBV will be pursued if appropriate.
21. 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.
22. 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:

23. 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'.

¹ **Consent:** refers to when an adult makes an informed choice to agree freely and voluntarily to do something. There is no consent when agreement is obtained through the use of threats, force or other forms of coercion, abduction, fraud, manipulation, deception, or misrepresentation, the use of a threat to withhold a benefit to which the person is already entitled, or, a promise made to the person to provide a benefit. In accordance with the United Nations Convention on the Rights of the Child, the World Bank considers that consent cannot be given by children under the age of 18, even if national legislation of the country into which the Code of Conduct is introduced has a lower age. Mistaken belief regarding the age of the child and consent from the child is not a defense.

24. 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.
25. 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.
26. 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.
27. Ensuring that an appropriate person is nominated as the company's 'Focal Point' for addressing GBV issues, including representing the company on the GBV Complaints Team (GCT) which is comprised of representatives from the client, contractor(s), the supervision consultant, and local GBV Service Provider.
28. Ensuring that an effective GBV Action Plan is developed in consultation with the GCT which includes as a minimum:
 - i. **GBV Allegation Procedure** to report GBV issues through the project Grievance Redress Mechanism (Section 4.3 Action Plan);
 - ii. **Accountability Measures** to protect confidentiality of all involved (Section 4.4 Action Plan); and
 - iii. **Response Protocol** applicable to GBV survivors and perpetrators (Section 4.7 Action Plan).
29. Ensuring that the company effectively implements the agreed final GBV Action Plan, providing feedback to the GCT for improvements and updates as appropriate.
30. Ensuring that all employees attend an induction training course prior to commencing work on site to ensure they are familiar with the company's commitments to ESHS and OHS standards, and the project's GBV Codes of Conduct.
31. Ensuring that all employees attend a mandatory training course once a month for the duration of the contract starting from the first induction training prior to commencement of work to reinforce the understanding of the project's ESHS and OHS standards and the GBV Code of Conduct.

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: _____

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Appendix 4 EMP monitoring reports

Consultants Declaration

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

Name: Azim Musthag

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

A handwritten signature in blue ink, appearing to read 'Azim', is written over a light blue rectangular background.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 30th August 2023



Language: English (en) ▼

Validation status: Select... ▼

[PREVIOUS](#)

Display XML names

EDIT

VIEW

DUPLICATE

⌵

[NEXT](#)

Type	Question	Response
Section 1: General Information		
<input checked="" type="checkbox"/>	Project Zone	Zone 4
<input checked="" type="checkbox"/>	Atoll	
<input checked="" type="checkbox"/>	Atoll	Meemu
<input checked="" type="checkbox"/>	Atoll	
	Island Name	Ko1hufushi
Section 2: Sub Project Details		
<input checked="" type="checkbox"/>	Type of Sub Project?	IWRMC Composting Machine
	Other Sub Project	
<input checked="" type="checkbox"/>	Sub-project details	Construction of a new center
	Sub Project Location?	latitude (x.y °): 2.772754 longitude (x.y °): 73.422344 altitude (m): -87.68072163700248 accuracy (m): 4.445000171661377
	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?

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

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?

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?

Not 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?

Please specify the duration



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

No



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 ba
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

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?

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



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?



Specify the number of trees that were translocated



Provide a photograph of the translocated area



Was any vegetation removed / chopped?



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



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? No



Which method is used to demarcate the site?



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? 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

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

	How is food arrangements being made for the contractor's workers?	Contractor
	Specify amount in MVR	
	How many meals / breaks are provided per day	3
	What are the standard per day working hours?	9
	Specify work start time	08:00:00.000+05:00
	Specify work end time	18:00:00.000+05:00
	How is accommodation being arranged?	Rented house
	Was staff accommodation checked during monitoring?	No
	How many toilets / bathrooms are present?	
	Attach a photograph of accommodation facility	
	Facilities present at the accommodation	
	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?	No

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

	What is the total number of workers recruited for the project?	7
	Are any female workers recruited for the project?	
	Specify the number of female workers	
	Specify the number of local workers	
	Specify the number of expatriate workers	7
	Does all the expatriate workers have valid work permits and work visas?	
	Specify names of the staffs who do not have valid work permits and work visas	
	Are all workers above the age of 18?	Yes

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?

No

If Yes, provide Date and Time of Consultation?



If Yes, Number of stakeholders consulted?



Number of women consulted?

Attach Minutes of Consultation

If No, provide the planned date of next consultations?

Section 17: Informants

Contractor's Informant Name and Designation

Ahmed Saavee - Supervisor

Council's Informant Name and Designation


Hassan Nafiz - Council Executive

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

OK

knowledge	
 Signature	
start	2023-08-23T10:48:53.442+05:00
end	2023-09-05T15:19:18.645+05:00
today	
username	
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instanceID	uuid:ebf35432-926e-4a70-aa5b-16488adbaf96
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 Kolhufushi, Meemu Atoll, are true, complete, and correct.

Name: Mariyam Shujaa-ath

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



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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Type	Question	Response
Section 1: General Information		
	Project Zone	Zone 4
	Atoll	
	Atoll	Meemu
	Atoll	
	Island Name	Ko1hufushi
Section 2: Sub Project Details		
	Type of Sub Project?	IWRMC Composting Machine
	Other Sub Project	
	Sub-project details	Construction of a new center
	Sub Project Location?	
	Physical Progress	
Section 3: Storage of Hazardous Chemicals during Construction		
<input 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)

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?

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?

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?

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

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?

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

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?

No



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?

Specify the number of trees that were translocated



Provide a photograph of the translocated area

Was any vegetation removed / chopped?

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

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?

- 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

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

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

Specify amount in MVR

How many meals / breaks are provided per day

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

How many toilets / bathrooms are present?



Attach a photograph of accommodation facility

Facilities present at the accommodation

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? No

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

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

Are any female workers recruited for the project?

Specify the number of female workers

Specify the number of local workers

Specify the number of expatriate workers

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

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? No

If Yes, provide Date and Time of Consultation?

If Yes, Number of stakeholders consulted?

Number of women consulted?

Attach Minutes of Consultation

If No, provide the planned date of next consultations?

Section 17: Informants

Contractor's Informant Name and Designation	Ahmed Saavee - Supervisor
Council's Informant Name and Designation	Hassan Nafiz - Council Executive
Name and Designation of the person who filled the form	Ahmed Emaan, project coordinator
I certify that all the data captures is accurate to the best of my knowledge	OK
 Signature	

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end 2023-10-10T09:54:56.054+05:00

today

username

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audit

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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 Kolhufushi, Meemu 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 November 2023

Submission Record (20 of 78)



Language:

English (en) ▾

Validation status:

Select... ▾

[PREVIOUS](#) Display XML names[EDIT](#)[VIEW](#)[NEXT](#)[DUPLICATE](#)**Type****Question****Response**

Section 1: General Information

	Project Zone	Zone 4
	Atoll	
	Atoll	Meemu
	Atoll	
	Island Name	KoIhufushi

Section 2: Sub Project Details

	Type of Sub Project?	Other
	Other Sub Project	Waste management center
	Sub-project details	Construction of a new center
	Sub Project Location?	latitude (x.y °): 2.772793 longitude (x.y °): -286.577892 altitude (m): 26.6 accuracy (m): 28.3
	Physical Progress	43.11

Section 3: Storage of Hazardous Chemicals during Construction



ESMP Monitoring Constr...

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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)

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?

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?

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




<p>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>Did you notice any fumes or bad smells from the site being generated via the use of chemicals?</p>	<p>No</p>
<p>Were these bearable?</p>	

Section 6: Source of Sand

<p>Is sand sourced for construction in compliance with national laws and regulation?</p>	<p>Yes</p>
<p>☾ Provide photographic evidence</p>	
<p>Actions Taken</p>	

Section 7: Waste Management

<p>Is Construction and Demolition waste (C&D) and/or green waste generated from the project?</p>	<p>Yes</p>
<p>Type of Construction and Demolition waste (C&D) and/or</p>	<p>Leave and trunks of removed vegetation</p>

green waste generated	• Others
Provide details	Construction Waste
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?	
Provide details	
How are C&D and/or green waste (including any remaining waste after reuse) being disposed	All waste disposed at council • designated location
☾ Attach photographic evidence	
☾ Attach photographic evidence	
☾ Attach photographic evidence	
Is there evidence of littering in and around the site?	Yes
☾ Attach photographic evidence	



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

No



Attach photographic evidence

Section 8: Impacts on Natural Environment

Does the site contain any significant vegetation?

Yes

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

No

Specify the number of trees that were translocated



Provide a photograph of the translocated area

Was any vegetation removed / chopped?

Yes

Specify the number of trees that were removed / chopped

66



Attach photographic evidence



Was 2:1 replantation

undertaken?



Indicate the location on which replantation was undertaken

latitude (x.y °): 2.770843
 longitude (x.y °): 73.422756
 altitude (m): 100
 accuracy (m): 100

Indicate the number of trees that were replanted?

116



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?

No

Which method is used to demarcate the site?



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?

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

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

- Boots/Covered Shoes
- 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



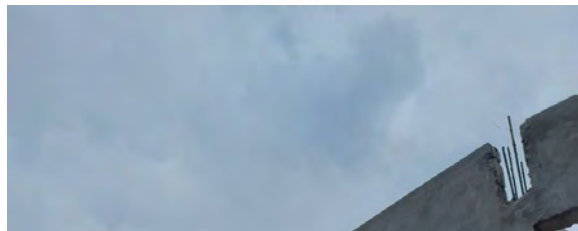
Attach a photograph of workers using gloves



Attach a photograph of workers using masks



Attach a photograph of workers using safety harness





Attach a photograph of workers using luminous jackets



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



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
	Specify amount in MVR	
	How many meals / breaks are provided per day	3
	What are the standard per day working hours?	8
	Specify work start time	08:00:00.000+05:00
	Specify work end time	18:00:00.000+05:00
	How is accommodation being arranged?	Rented house
	Was staff accommodation checked during monitoring?	No
	How many toilets / bathrooms are present?	
	Attach a photograph of accommodation facility	
	Facilities present at the accommodation	

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?

No

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

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

6

Are any female workers recruited for the project?

No

Specify the number of female workers

Specify the number of local workers

1

Specify the number of expatriate workers

5

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

Yes

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

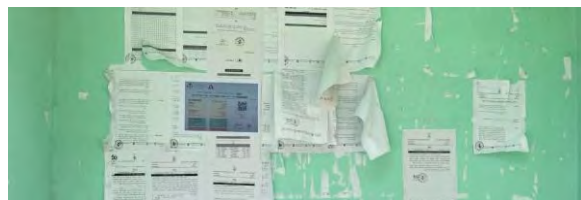


Attach photograph of the GRM board



	When does the contractor plan to do this?	
--	---	--

-	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?	Yes
If Yes, provide Date and Time of Consultation?	February 22, 2023 9:00 AM
If Yes, Number of stakeholders consulted?	38
Number of women consulted?	10
Attach Minutes of Consultation	
If No, provide the planned date of next consultations?	

Section 17: Informants

and Designation	Abdhusalaam-
Council's Informant Name and Designation	Adam
Name and Designation of the person who filled the form	Azhan
I certify that all the data captures is accurate to the best of my knowledge	OK
 Signature	

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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 Kolhufushi, Meemu 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 on the left side.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 23rd January 2024

Submission Record (22 of 94)



Language: English (en) ▾

Validation status: Select... ▾

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Type	Question	Response
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Section 1: General Information






	Project Zone	Zone 4
	Atoll	
	Atoll	Meemu
	Atoll	
	Island Name	KOLUFUSHI

Section 2: Sub Project Details


	Type of Sub Project?	IWRMC Composting Machine
	Other Sub Project	
	Sub-project details	Construction of a new center
	Sub Project Location?	
	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

<input type="radio"/>	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?	Construction Activity Only During Day • Time (8.00am-6.00pm)
	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?

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?

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

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?

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	
	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?	No
	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?	
	Specify the number of trees that were translocated	
	Provide a photograph of the translocated area	
	Was any vegetation removed / chopped?	
	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	
	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?

No

Which method is used to demarcate the site?



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?


Yes



Attach a photograph of PPE sign board



Section 10: Occupational Health and Safety




	<p>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-</p>
<p>To what level are safety gears / Personal Protective Equipment (PPEs) being used?</p>	<p>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-</p>
<p>What are the types of PPEs observed being used by the site workers?</p>	<ul style="list-style-type: none">• Boots/Covered Shoes• Hard hats
<p>☾ Attach a photograph of workers with Boots/Covered Shoes</p>	
<p>☾ Attach a photograph of workers with Hard Hats</p>	
<p>☾ Attach a photograph of workers using ear muffs</p>	
<p>☾ Attach a photograph of welders using goggles</p>	
<p>☾ Attach a photograph of workers using gloves</p>	
<p>☾ Attach a photograph of workers using masks</p>	
<p>☾ Attach a photograph of workers using safety harness</p>	
<p>☾ Attach a photograph of workers using luminous jackets</p>	
<p>Provide details</p>	

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

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

	Specify amount in MVR	
	How many meals / breaks are provided per day	3
	What are the standard per day working hours?	8
	Specify work start time	08:00:00.000+05:00
	Specify work end time	17:00:00.000+05:00
	How is accommodation being arranged?	Rented house
	Was staff accommodation checked during monitoring?	Yes
	How many toilets / bathrooms are present?	2
	Attach a photograph of accommodation facility	
	Facilities present at the accommodation	<ul style="list-style-type: none"> • Kitchen • Sitting room • Beds
	Specify	
	Is the site of labor accommodation clean and sanitary and kept neatly?	Yes
	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?	No
-----------------------	---	----



Attach photographic of extinguisher

Other fire safety precautions taken

- No open electrical wires are found
- Electrical wires installed by certified person

Section 14: Sociocultural Issues

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

6

Are any female workers recruited for the project?

No

Specify the number of female workers

Specify the number of local workers

0

Specify the number of expatriate workers

6

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



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

Are all workers above the age of 18?

Ibrahim Azhan Mohamed
2024-01-22 22:51:11

Contractor has been informed several times by our ESS team and the Ministry to provide updated staff list and work permits. The deadline given to the contractor was 13th December 2023, and we have not received a response yet. Interim payments have been

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?

No

If Yes, provide Date and Time of Consultation?

If Yes, Number of stakeholders consulted?

Number of women consulted?

Attach Minutes of Consultation

If No, provide the planned date of next consultations?

Section 17: Informants

Contractor's Informant Name and Designation

Fazeel / Managing Director

Council's Informant Name and Designation

Hassan Nasif / Council Executive

Name and Designation of the person who filled the form

Kirubakaran/Riyan Engineer

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

OK



Signature

start

2023-11-28T14:14:53.255+05:00

end

2024-01-23T08:45:36.133+05:00

today

username

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Submitted by	



ESMP Monitoring Construct...

93 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 Kolhufushi, Meemu 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: 22nd January 2024

Submission Record (6 of 93)



Language: English (en) ▾

Validation status: Select... ▾

PREVIOUS

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Response

Section 1: General Information

	Project Zone	Zone 4
	Atoll	
	Atoll	Meemu
	Atoll	
	Island Name	M.Kolufushi

Section 2: Sub Project Details

	Type of Sub Project?	IWRMC Manual Composting
	Other Sub Project	
	Sub-project details	Construction of a new center
	Sub Project Location?	
	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

<input 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)



Specify Other Measures used?



Photograph-1 of compliance practice

	Photograph-2 of compliance practice	
<input 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

	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?	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?	
	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	
	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?	
	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	
	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?



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?

Specify the number of trees that were translocated



Provide a photograph of the translocated area

Was any vegetation removed / chopped?

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

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?

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

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

- 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
	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

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

Contractor

Specify amount in MVR

How many meals / breaks are provided per day

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

How many toilets / bathrooms are present?



Attach a photograph of accommodation facility

Facilities present at the accommodation


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
- Electrical wires installed by certified person

Section 14: Sociocultural Issues

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



Ibrahim Azhan Mohamed
2024-01-24 01:05:11

Are any female workers recruited for the project?

Updated staff list and work permits not provided by the contractor upon multiple requests during monthly meetings and via email. Ministry has contacted them for the information as well, but no response yet.

Specify the number of female workers

Specify the number of local workers

Specify the number of expatriate workers


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

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? 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?	No
If Yes, provide Date and Time of Consultation?	
If Yes, Number of stakeholders consulted?	
Number of women consulted?	
Attach Minutes of Consultation	
If No, provide the planned date of next consultations?	

Section 17: Informants

Contractor's Informant Name and Designation	Salaam, Carpenter
Council's Informant Name and Designation	Nafiz, council
Name and Designation of the person who filled the form	Snidhar Rajendran, Civil engineer
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...

93 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 Kolhufushi, Meemu 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 on the left side.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 29th February 2024

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Submission Record (4 of 35)



Language: English (en) ▾

Validation status: Select... ▾

PREVIOUS ▾

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Question

Response

Section 1: General Information








<input checked="" type="checkbox"/>	Project Zone	<i>Zone 4</i>
<input checked="" type="checkbox"/>	Atoll	
<input checked="" type="checkbox"/>	Atoll	<i>Meemu</i>
<input checked="" type="checkbox"/>	Atoll	
	Island Name	<i>KOLUFUSHI</i>

Section 2: Sub Project Details



<input checked="" type="checkbox"/>	Type of Sub Project?	<i>Other</i>
	Other Sub Project	
<input checked="" type="checkbox"/>	Sub-project details	
	Sub Project Location?	
	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

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

	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?	<i>Not Applicable / Observed</i>
	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?	<i>No</i>
	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)
	Specify Other Measures used?	
	Photograph-1 of compliance practice	

	Photograph-2 of compliance practice	
<input 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="checkbox"/>	Are vehicles used for transporting material from harbour to project site?	<i>No</i>
<input checked="" type="checkbox"/>	Type of vehicle used?	
	Attach photo of the vehicle	
<input checked="" type="checkbox"/>	Does the vehicle have an up to date road worthiness certificate	
	If yes, attach a copy of the certificate	
<input checked="" type="checkbox"/>	How was materials transferred to the site?	<i>Not Observed</i>
<input checked="" type="checkbox"/>	Are machineries used well tuned / serviced?	<i>Not Applicable / Not used</i>
<input checked="" type="checkbox"/>	Did you observe high levels of dust generated in the work site?	<i>No</i>
<input checked="" type="checkbox"/>	Has dust generated from the site or construction material been deposited around the work site?	
<input checked="" type="checkbox"/>	How frequently is the site being sprayed with water?	
Please specify the duration		



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

No



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 ba
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

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?








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	
	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?	No
	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?	
	Specify the number of trees that were translocated	
	Provide a photograph of the translocated area	
	Was any vegetation removed / chopped?	
	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



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?

- Boots/Covered Shoes
- Hard hats

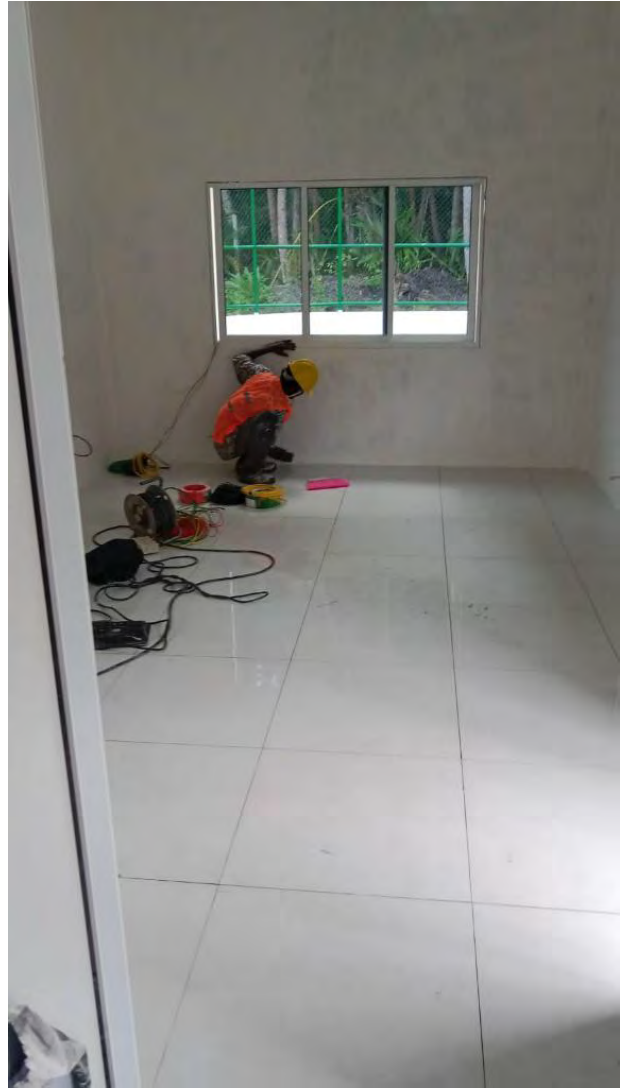


Attach a photograph of workers with Boots/Covered Shoes





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

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

☑	How is food arrangements being made for the contractor's workers?	<i>Contractor</i>
☀	Specify amount in MVR	
☀	How many meals / breaks are provided per day	3
☀	What are the standard per day working hours?	9
🎓	Specify work start time	<i>08:00:00.000+05:00</i>
🎓	Specify work end time	<i>06:00:00.000+05:00</i>
☑	How is accommodation being arranged?	<i>Rented house</i>
☑	Was staff accommodation checked during monitoring?	Yes
☀	How many toilets / bathrooms are present?	2
📷	Attach a photograph of accommodation facility	
₹	Facilities present at the accommodation	<ul style="list-style-type: none"> • <i>Kitchen</i> • <i>Sitting room</i> • <i>Beds</i>
	Specify	
☑	Is the site of labor accommodation clean and	Yes

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?

No



Attach photographic of extinguisher



Other fire safety precautions taken

• *No open electrical wires are found*

Section 14: Sociocultural Issues



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

2



Are any female workers recruited for the project?

No



Specify the number of female workers



Specify the number of local workers

0



Specify the number of expatriate workers

3



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

Yes

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?	Yes
-----------------------	--------------------------------------	-----

Section 15: Grievance Redress Mechanism (GRM)

<input checked="" type="checkbox"/>	Is project board with GRM information present at the site?	Yes
-------------------------------------	--	-----

<input type="checkbox"/>	Attach photograph of the GRM board	
--------------------------	------------------------------------	--

	When does the contractor plan to do this?	
--	---	--

<input checked="" type="checkbox"/>	ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?	No
-------------------------------------	---	----

<input type="checkbox"/>	Attach photographic evidence	
--------------------------	------------------------------	--

<input type="checkbox"/>	Attach photographic evidence	
--------------------------	------------------------------	--

<input type="checkbox"/>	Attach photographic evidence	
--------------------------	------------------------------	--



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

<input type="checkbox"/>	WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?	
--------------------------	---	--

<input checked="" type="checkbox"/>	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?
	If Yes, Number of stakeholders consulted?
	Number of women consulted?
	Attach Minutes of Consultation
	If No, provide the planned date of next consultations?

Section 17: Informants

Contractor's Informant Name and Designation	<i>FAZEEL / MD</i>
Council's Informant Name and Designation	<i>WAFFA / COUNCIL ASST EXECUTIVE</i>
Name and Designation of the person who filled the form	<i>KIRUBAKARAN A / CIVIL ENGINEER</i>
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 Constru...

117 submissions



Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of M. Kolhufushi IWRMC is acquired at the time of inspection, availability of informants at the site and is factual to the best of my knowledge.

Name: Aminath Mohamed

License Number: EIA-T(a)07/2023

Signature:



Company: Riyan Pvt Ltd

Date: 3rd April 2024

Submission Record (8 of 121)



Language: English (en) ▾

Validation status: Select... ▾

PREVIOUS

Display XML names

EDIT

VIEW

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NEXT

Type	Question	Response
Section 1: General Information		
	Project Zone	Zone 4
	Atoll	
	Atoll	Meemu
	Atoll	
	Island Name	Kolhufushi
Section 2: Sub Project Details		
	Type of Sub Project?	IWRMC Composting Machine
	Other Sub Project	
	Sub-project details	Construction of a new center
	Sub Project Location?	latitude (x.y °): 2.772564 longitude (x.y °): 73.422426 altitude (m): 0 accuracy (m): 0
	Physical Progress	
Section 3: Storage of Hazardous Chemicals during Construction		











	Are fuel used for project purposes stored in sealed containers?	<i>Not Applicable / Observed</i>
	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?	<i>Not Applicable / Observed</i>
	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?	<i>No</i>
	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)
	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?	<i>Moderate (normal construction site operation, bearable but moderately noisy)</i>

Section 5: Air Quality and Dust

	Are vehicles used for transporting material from harbour to project site?	<i>No</i>
	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?	<i>Not Observed</i>
	Are machineries used well tuned / serviced?	<i>Not Applicable / Not used</i>
	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?	
	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?

Yes



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

- *Leave and trunks of removed vegetation*
- *Demolished parts of walls*
- *Others*

Provide details

Metals, HDPE pipes












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?



	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	<i>All waste disposed at council designated location</i>
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
	Is there evidence of littering in and around the site?	Yes
	Attach photographic evidence	
	A bin is present for disposing general waste generated by workers?	No
	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?	

	Specify the number of trees that were translocated
	Provide a photograph of the translocated area
	Was any vegetation removed / chopped?
	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
	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?	<i>Hoarding</i>



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

Marginally Satisfactory (About 50% of workers are wearing dust masks, helmets, covered



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

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
- 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
	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



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

Contractor

Specify amount in MVR



How many meals / breaks are provided per day

2



What are the standard per day working hours?

9



Specify work start time

08:00:00.000+05:00

Specify work end time

17:00:00.000+05:00

How is accommodation being arranged?

Rented house

Was staff accommodation checked during monitoring?

Yes



How many toilets / bathrooms are present?

2



Attach a photograph of accommodation facility



Facilities present at the accommodation

- Kitchen
- Sitting room
- Beds
- Others

Specify

Refrigerator



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

Yes



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?

No



Attach photographic of extinguisher



Other fire safety precautions taken

- *No open electrical wires are found*
- *Electrical wires installed by certified person*

Section 14: Sociocultural Issues



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

5



Are any female workers recruited for the project?

No



Specify the number of female workers



Specify the number of local workers

0



Specify the number of expatriate workers

5



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

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



Are all workers above the age of 18?

Yes

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?



If Yes, Number of stakeholders consulted?



Number of women consulted?

Attach Minutes of Consultation

If No, provide the planned date of next consultations?

Section 17: Informants

Contractor's Informant Name and Designation

Fazeel/MD

Council's Informant Name and Designation

Hassan Nafiz, Council Executive

Name and Designation of the person who filled the form

Aminath Mohamed

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

OK



Signature

start

2024-03-24T19:39:53.415+05:00

end

2024-04-03T11:39:58.962+05:00

today

username

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audit	
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_id	<i>324227259</i>
instanceID	<i>uuid:1ec41888-4deb-4f63-bfd0-71402ce5dee0</i>
Submitted by	



ESMP Monitoring Constru...

121 submissions

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Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of M. Kolhufushi IWRMC is acquired at the time of inspection, availability of informants at the site and is factual to the best of my knowledge.

Name: Aminath Mohamed

License Number: EIA-T(a)07/2023

Signature:



Company: Riyan Pvt Ltd

Date: 2nd May 2024

Submission Record (1 of 131)



Language: English (en) ▼

Validation status: Select... ▼

[NEXT](#) ◀

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EDIT	VIEW	DUPLICATE
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Type	Question	Response
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Section 1: General Information

	Project Zone	Zone 4
	Atoll	
	Atoll	Meemu
	Atoll	
	Island Name	Kolhufushi

Section 2: Sub Project Details

	Type of Sub Project?	IWRMC Composting Machine
	Other Sub Project	
	Sub-project details	Construction of a new center
	Sub Project Location?	latitude (x.y °): 2.772585 longitude (x.y °): 73.422415 altitude (m): 0 accuracy (m): 0
	Physical Progress	

Section 3: Storage of Hazardous Chemicals during Construction

Are fuel used for project purposes stored in sealed

	containers?	<i>Not Applicable / Observed</i>
	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?
	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?

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?

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?



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? No
	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? Yes
	Type of Construction and Demolition waste (C&D) and/or green waste generated <ul style="list-style-type: none"> • <i>Leave and trunks of removed vegetation</i> • <i>Others</i>




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




Section 8: Impacts on Natural Environment

<input type="radio"/>	Does the site contain any significant vegetation?
<input type="radio"/>	Was any vegetation present at the site translocated to another area of the island?






	Specify the number of trees that were translocated
	Provide a photograph of the translocated area
	Was any vegetation removed / chopped?
	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
	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?	<i>Hoarding</i>
	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>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-</i>
	What are the types of PPEs observed being used by the site workers?	<ul style="list-style-type: none"> • <i>Boots/Covered Shoes</i> • <i>Hard hats</i> • <i>Luminous Jackets</i>
	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
	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



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

Contractor

Specify amount in MVR



How many meals / breaks are provided per day



What are the standard per day working hours?



Specify work start time



Specify work end time



How is accommodation being arranged?

Temporary accommodation block

Was staff accommodation checked during monitoring?

No

How many toilets / bathrooms are present?



Attach a photograph of accommodation facility



Facilities present at the accommodation

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



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



Are any female workers recruited for the project?



Specify the number of female workers



Specify the number of local workers



Specify the number of expatriate workers



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

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

Section 17: Informants

Contractor's Informant Name and Designation	<i>Abdul Salam</i>
Council's Informant Name and Designation	<i>Absent</i>
Name and Designation of the person who filled the form	<i>Aminath Mohamed, SRO</i>
I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature

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end	2024-05-02T12:19:12.440+05:00
today	
username	
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phone number	<i>phonenumber not found</i>
audit	
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_id	<i>335127036</i>
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Submitted by	



ESMP Monitoring Constru...

131 submissions

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Appendix 5 Groundwater Quality Analysis Reports

WATER QUALITY TEST REPORT
 Report No: 500198002

Customer Information:

Land & Marine Environment Resources
 H.Azum
 Ameenemagu
 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 ~	M. Muli Site	M. Kolhufushi control	M. Kolhufushi Site	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83243052	83243053	83243054		
Sampled Date ~	16/07/2023 03:15 PM	17/07/2023 12:00 PM	17/07/2023 12:00 PM		
PARAMETER	ANALYSIS RESULT				
Physical Appearance	Clear with particles	Clear with particles	Pale yellow with particles		
Nitrate *	1.4	1.5	2.3	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 SAMPLE 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

WATER QUALITY TEST REPORT
 Report No: 500201758

Customer Information:

Riyan PVT Ptd
 H.Azum
 Ameeneemagu
 Male' MALE'

Report date: **19/08/2024**

Test Requisition Form No: **900201220**

Sample(s) Received Date: **12/08/2024**

Date of Analysis: **12/08/2024 - 12/08/2024**

Sample Description ~	IWRMC Projects/L. Fonadhoo (IWRMC Site)	IWRMC Projects/L. Fonadhoo (Control Site)	IWRMC Projects/M. Kholufushi (IWRMC Site)	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83251628	83251629	83251631		
Sampled Date ~	08/08/2024 03:00 PM	08/08/2024 03:32 PM	10/08/2024 10:30 AM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT				
Nitrate *	7.8	2.1	1.1	HACH Method 8171	mg/L

Keys: mg/L : Milligram Per Liter

Checked by



Aminath Shahidha
 Laboratory Executive

Approved by



Mohamed Eyman
 Assistant General Manager, Quality

Notes:

Sampling Authority: Sampling was not done by MWSC Laboratory.

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*Parameters accredited by EIAC under ISO/IEC 17025:2017

LB-TEST-090

WATER QUALITY TEST REPORT
 Report No: 500201758

Customer Information:

Riyan PVT Ptd
 H.Azum
 Ameeneemagu
 Male' MALE'

Report date: 19/08/2024
 Test Requisition Form No: 900201220
 Sample(s) Received Date: 12/08/2024
 Date of Analysis: 12/08/2024 - 12/08/2024

Sample Description ~	IWRMC Projects/M. Kholufushi (Control Site)	IWRMC Projects/Dh. Maenboodhoo (IWRMC Site)	IWRMC Projects/Dh. Maenboodhoo (Control Site)	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83251632	83251633	83251634		
Sampled Date ~	10/08/2024 11:41 AM	10/08/2024 02:02 PM	10/08/2024 02:27 PM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT				
Nitrate *	1.7	4.4	2.5	HACH Method 8171	mg/L

Keys: mg/L : Milligram Per Liter

Checked by



Aminath Shahidha
 Laboratory Executive

Approved by



Mohamed Eyman
 Assistant General Manager, Quality

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

Appendix 6 IWRMC Handover Letter

