

# **Environmental and Social Monitoring Report for Construction Phase**

## **Environmental and Social Management Plan for the Upgrading of the Island Waste Resource Management Centre with Aerobic Technology using Composting Machine at Vandhoo, Thaa Atoll**

**Location: Thaa Atoll**

**Riyan Private Limited**

**Michael Competente Rubia**

**Proponent: Ministry of Tourism and Environment**

**June 2025**

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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 the Island Waste Resource Management Centre with Aerobic technology using Composting Machine at Vandhoo, Thaa Atoll, are true, complete and correct.

Name: Michael Competente Rubia

Designation: Environmental & Social Safeguard Officer

Signature: 

Company Name: Riyan Private Limited

Date: 23<sup>rd</sup> June 2025



## Ministry of Tourism and Environment

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 ES monitoring report is prepared in line with the requirement of the ESMP for the upgrading of Island Waste and Resource Management Centre at Th. Vandhoo. Therefore, the report is approved.

Name: Ahmed Hassaan Zuhair

Environmental Consultant License No: EIAP(A)07/2024

Designation: Environmental and Social Safeguards

Specialist Institution: Maldives Clean Environment Project.

Signature:

Date: 2 July 2025



# 1 Introduction

The proposed project involves upgrading of an IWRMC with Aerobic Technology using composting machine at Th. Vandhoo. This will help to better manage waste at island level.

An Environmental and Social Management Plan was prepared for the project and cleared from the EPA and the World Bank.

The project was awarded to LF Construction Pvt Ltd. after a competitive bidding process and agreement signed on 29<sup>th</sup> August 2023. The project was completed on 24<sup>th</sup> July 2024. The project completion certificate is provided in Appendix 2.

The proponent of the project is Ministry of Tourism and Environment (MoTE) and is implemented by the Project Management Unit (PMU) of the World Bank financed Maldives Clean Environment Project (MCEP).

## 1.1 Project Details

The proposed work was undertaken on the southeastern corner of the island, where the current IWRMC is located. The land area required for the project development was allocated for the purpose and approved by Maldives Land and Survey Authority in 2017, at the time of initial construction of the IWRMC.

The project only considers minor changes to the layout of 2017 project. The size of the IWRMC remains the same, where all the civil works was confined to the previously demarcated boundary. New infrastructure constructed as part of the project include:

- Waste unloading, loading and weighing area
- Inorganic waste processing area
- Processed inorganic waste storage area
- Bulk waste storage area
- Hazardous waste storage area
- Mechanical composting area
- Office / Store / Toilet
- Septic Tank
- Groundwater Well
- Water and electricity connections
- Drains installation
- Rainwater pits
- Fire safety equipment
- Resting Area

Additional details of the project are described in the ESMP for establishment of Island Waste and Resource Management Centre in Th. Vandhoo (LAMER Group Pvt Ltd, January 2021).

## 2 Monitoring Schedule and Compliance

Riyan Pvt Ltd was contracted to supervise the construction works of the IWRMC as well as supervision of environmental and social safeguards during construction phase of the project. Interim ESMP monitoring reports were prepared on a monthly basis throughout the construction phase of the project. These reports were finalized after incorporating review comments from the PMU and subsequently submitted by the PMU to the World Bank.

The reports were further verified by the PMU, and any required remedial actions were implemented by the contractor prior to the processing of all interim payments. Signed Company and Individual code of conducts, and work permits of the expatriate workers were obtained and verified prior to mobilization.

### 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 13 site visits were made from between December 2023 to September 2024.

## 3 Project Components

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

#### 1. *Site preparation*

The proposed work was carried out at the site already allocated for construction of the IWRMC wherein the construction was commenced in 2017 through an earlier of the project. Hence, the site has already been cleared and no significant vegetation is present at the site. Only shrubs such as Sea lettuce trees (*Scaevola taccada*), Japanese cherry tree (*Muntingia calabura*) and Indian Mulberry (*Morinda citrifolia*) were observed and cleared on site.

#### 2. *Clean-up of existing waste*

The project site does not contain any waste, as the centre constructed in 2017 was only partially complete and thus was not operationalized.

The current waste disposal site is located approximately 50 meters north of the site.

### 3. Construction of IWRMC

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

Operation Infrastructure;

- a) Waste unloading, loading and weighing area
  - A roofed area of 8m<sup>2</sup> with concrete slab designated for weighing and sorting of incoming waste to organic and inorganic fractions.
- b) Inorganic waste processing area;
  - roofed area with concrete slab where waste will be further segregated into plastic, metal, glass etc. and processed via baling, compaction and crushing. This processing area has an approximate area of 25.2m<sup>2</sup>.
- c) Processed inorganic waste storage area;
  - roofed area with concrete slab where the processed inorganic waste will be stored. The storage area has an area of 41.5m<sup>2</sup>. The design considers storage of such waste for 4 – 6 months, which will then have to be transferred to the Regional Waste Management Facility (RWMF).
- d) Bulk waste storage area;
  - A roofed area of approximately 25.5m<sup>2</sup>, with concrete slab, designated for the storage of bulk waste such as old furniture, roofing sheets etc.
- e) Hazardous Waste Storage Area;
  - A fully enclosed room of 8.3m<sup>2</sup> area, with a roof, concrete slab, 4 walls and a gate, where the received hazardous waste will be stored prior to its final disposal at a RWMF. Appropriate hazard, flammable liquid and warning signage will be installed.
- f) Mechanical composting area;
  - A fully enclosed roofed area with concrete slab and brick walls was developed adjacent to the hazardous waste storage area, where in-vessel composting will be carried out. The mechanical composting area has an area of 47.3m<sup>2</sup> and is also where the finished compost will be stored. Provisions were made for the storage of finished compost and chipped wood at this area.
- g) Office / Store / Toilet
  - This was the space and essential utilities operational and administrative staff.
- h) Septic Tank
  - A septic tank with provision for future connection to the sewer network of the island was constructed at the open area adjacent to the proposed toilet to dispose the wastewater generated during operations.

- i) Groundwater Well
  - A groundwater well was constructed at the open area in front of the proposed store. Water for operations will be drawn from this well.
- j) Water connection
  - Internal water piping and taps were laid to connect water to the different parts of the IWRMC. A water pump was installed to connect water to the toilet, wash area, waste sorting / processing areas and the mechanical composting area from the groundwater well.
- k) Installing drains
  - Drains were installed at the waste unloading and loading areas, the waste processing areas, waste storage areas, and the mechanical composting area, which was subsequently connected to the septic tank. This will also allow collection and drainage of any leachate which might be produced, although this will be of comparably minor quantity (to windrow- based composting) with the proposed method of composting.
- l) Rainwater pits
  - Rainwater pits were installed throughout the open area of the IWRMC to deal with potential storm water produced during rainy seasons.
- m) Connecting Electricity
  - 3 phase electricity required for the operations of the IWRMC was sourced from the island powerhouse. A 4-core power cable was laid from the nearest distribution box which is located 225m from the proposed site.
- n) Resting Area
  - An open resting area was proposed at the area in front of the proposed office, landscaped with plants and chairs (joali).
- o) Fire Safety Equipment;
  - 50KG DCP Trolley for collection bay (nos 2),
  - 50LTR Foam Trolley for collection bay (nos 1),
  - Wet Chemical 6Ltr with Cabinet for hazardous waste area (nos 1),
  - Water 9Ltr with Cabinet for Office Area – Outside (nos 1), &
  - CO2 2KG with Cabinet for Office Area – Outside (nos 1).

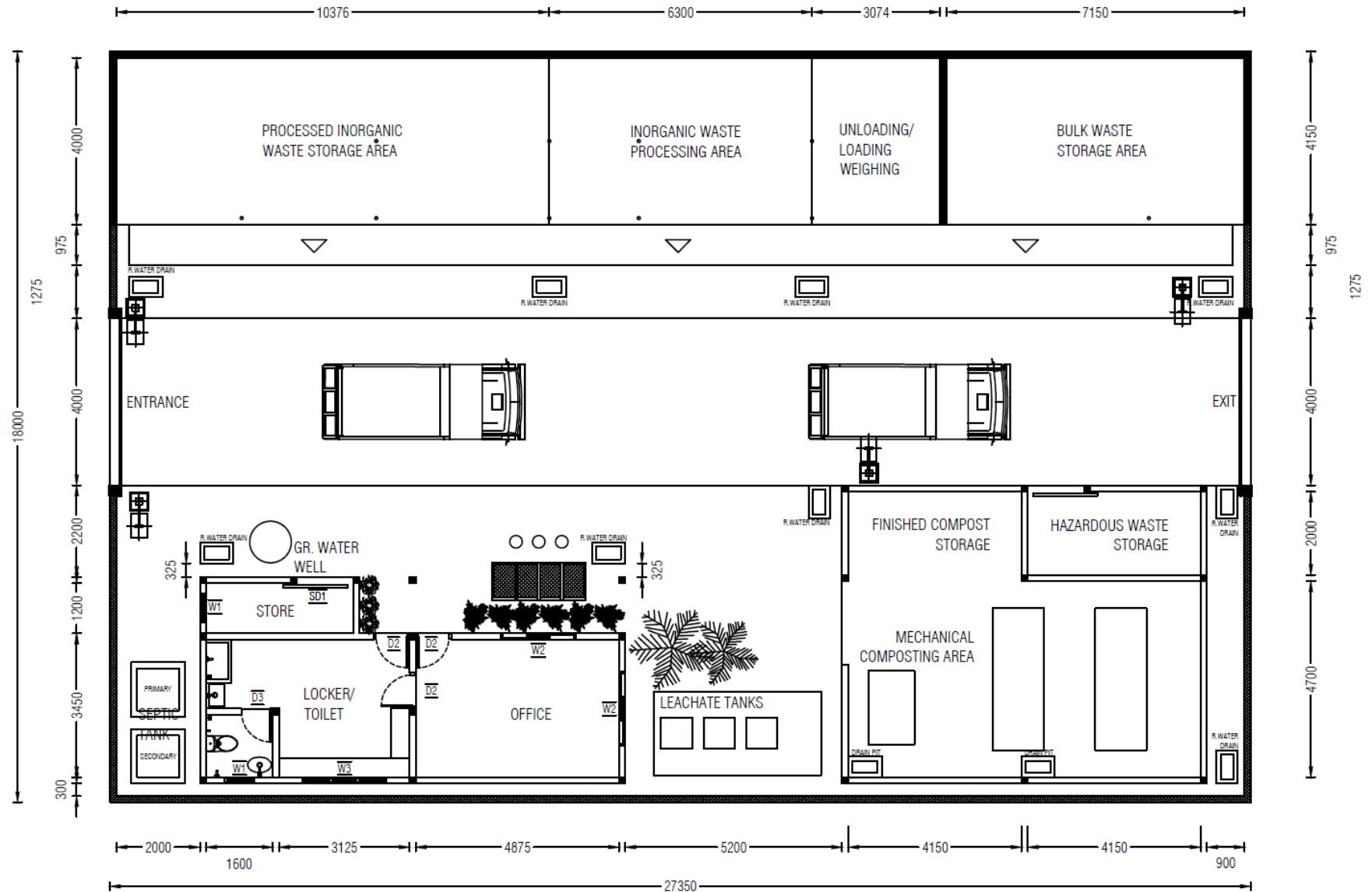


Figure 1. As-Built Drawing Layout

## 4 Project Progress

All civil works of the project were completed on 24<sup>th</sup> July 2024, including plumbing, electrical works and fixing of the firefighting equipment.

**Table 1. Type of Firefighting Equipment.**

Item no:	Equipment	Quantity	Location
1	50KG DCP Trolley	2	Collection bay
2	50 Ltr Foam Trolley	1	Collection bay
3	Wet Chemical 6 Ltr with Cabinet	1	Hazardous Waste Area
4	Water 9 Ltr with Cabinet	1	Outside office
5	CO2 kg with Cabinet	1	Outside office



**Figure 2** Photograph of fire extinguisher were installed on site



**Figure 3** Photographs of established IWRMC in Th. Vandhoo.

## 5 Implementation of Mitigation Measures

The site condition was well managed throughout the construction phase of the project with no major non-compliance issues being noticed during monitoring. The non-compliance issues were successfully remediated in a timely manner through close coordination and follow up with the contractor and by applying necessary enforcement actions. The summary of non-conforming issues observed during the site visits, along with their corresponding corrective measures, is provided below.

**Table 2. Details of the Non-Compliance Issues Identified**

No.	Entry Date	Description of the Risk, Challenge, Issue	Actions Taken by Consultant Up to Date	Action Required of PM	Status	Date Resolved
1	30-Dec-23	PPE usage was marginally satisfactory (gloves, hard-hats, covered shoes were not being worn by all workers), has not been corrected (21st November 2023)	Instruction issued to contractor to rectify on site and via mail	Monitor and follow up in the next inspection	Resolved	January 31, 2024
2	27-Mar-24	Lack of portable fire extinguishers on-site (only water-based FE present on-site)	Instructed the supervisor on site, to ensure its installation prior to the next inspection.	Follow up during the next inspection.	Resolved	April 30, 2024
3	30-Jun-2024	Paints and thinners are not placed on a impermeable surface like either a concrete slab, contained box or lined and isolated area).	Contractor has instructed to keep the chemical (ie. Paints and thinner) on an impermeable surface to prevent ground contaminations.	To be monitored and follow up during the next inspection	Resolved	29 <sup>th</sup> Aug 2024
4	30-Jun-2024	7 Workers do not have valid work permits and work visa are noted in the list been shared by the Contractor	Contractor has reminded that the work visa/permit must be valid.	To be monitored and follow up during the next inspection	Resolved	24 <sup>th</sup> Sep 2024



## 6 Vegetation Removal and Revegetation

The proposed site has already been cleared, and no significant vegetation was present; therefore, vegetation removal is not required under this project.

## 7 Grievances

Grievance Redress Mechanism (GRM) of MCEP was functional at Th. Vandhoo. 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 accessing the digital complaint form was displayed at the project site, council notice board and were shared digitally in social media platforms of the council.

One grievance was recorded in the online GRM log sheet on 22nd December 2023. It was resolved by the responsible party, and a detailed record is provided in Appendix 6.



Figure 4 GRM Board Displayed at Project Site

## 8 Ground Water Quality Assessment

The ground water samples were taken from the respective location as specified in the initial ESMP Report. All parameter stated in the ESMP were taken as shown in Table 3. Temperature, physical appearance, pH, Electrical conductivity, and Total Dissolved Solid (TDS) 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 temperature of the water sampled at the IWRMC site during the first water testing was slightly above the optimal range, possibly due to the influence of hot weather at the time of sampling. Conductivity and total dissolved solids were also higher than the optimal range, which may be attributed to the proximity of the water source to the coast.

**Table 3. Results of the Groundwater Assessment**

Name of Island	Th. Vandhoo			
Sampling Location	IWRMC Site	Control Site	IWRMC Site	Control Site
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water
Sampling Date & Time	July 18, 2024 @11:45AM	July 18, 2024 @12:00PM	26/09/2024 01:14PM	26/09/2024 1:30PM
Nos. of GW Testing	1st GW testing		2nd GW testing	
Parameters	Analysis Results			
	Tested Using Hanna Multiparameter probe.			
Temperature (°C)	32	30	30	29
pH	7.38	7.67	10.10	7.76
Electrical Conductivity (µS/cm)	1568	554	2916	436
Total Dissolved Solids (ppm)	775	272	1453	218
	Tested at MWSC Laboratory			
Physical Appearance	Pale yellow and cloudy with particles	Clear with particles	Clear with particles	Clear with particles
Nitrate (mg/L)	2.8	1.5	3.2	2.0

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

## 9 Plan for Operationalizing the IWRMC

Following the completion of civil works, Th. Vandhoo WRMC was handed over to the Island Council for operations. The center is currently not operational but is expected to become operational by 1 August 2025. The Council is in the process of hiring the necessary staff and simultaneously working towards temporarily outsourcing the operations to a competent third party until staff recruitment can be completed.

The following technical trainings were provided by MCEP to the staff responsible for operating the IWRMC:

#	Training Name	Date	Venue	Training Institute	Staff Trained
1	Waste Management Equipment Training	19 – 21 Dec 2023	Dh. Kudahuvadhoo, Maldives	SAW Engineering Pvt. Ltd	<ul style="list-style-type: none"> <li>• Fathimath Shiyaza</li> <li>• Yoosuf Ameen</li> <li>• Hussain Afeef</li> </ul>
2	Fire Safety Training	3 Sep 2024	Th. Kinbidho, Maldives	MNDF Fire and Rescue Services	<ul style="list-style-type: none"> <li>• Yoosuf Ameen</li> </ul>
3	Technical Training on Waste Management Batch 2	10-15 Nov 2024	New Delhi, India	Teri School of Advance Studies	<ul style="list-style-type: none"> <li>• Yoosuf Ameen</li> </ul>
4	Magey Saafu Raajje Community Champions Training	21-23 Jan 2025	Th. Guraidhoo, Maldives	MCEP MCCEE	<ul style="list-style-type: none"> <li>• Mohamed Ameer – WMC member</li> <li>• Mohamed Shafran – WMC member</li> <li>• Adil Ahmed – WMC member</li> <li>• Fathimath Shiyaza – centre operations</li> <li>• Ali Nizam – centre operations</li> </ul>

Th. Omadhoo WRMC is registered in the URA. Registration was issued through URA letter no: 485-LR/388/2024/3 (13 November 2024).

## 10 Conclusion

Upgrading of an IWRMC with Aerobic technology using composting machine at Th. Vandhoo was completed on 24<sup>th</sup> July 2024. The contractor of the project was LF Construction Pvt Ltd.

The ESMP monitoring conducted for the project confirms that construction of the IWRMC was completed in compliance with the ESMP, with the majority of agreed mitigation measures satisfactorily implemented. However, some non-compliance issues were observed during the site inspections. These were addressed in a timely manner through close follow-up with the contractor and the application of appropriate enforcement actions. One grievance was recorded in the online GRM log sheet on 22nd December 2023. It was resolved by the responsible party, and a detailed record is provided in Appendix 6.

All necessary firefighting equipment were purchased and have been installed at the facility. No vegetation clearance been carried out during the construction phase since there is no existing of trees at the proposed site.

Th. Vandhoo WRMC is currently not operational, but the council is working towards it, by hiring the necessary staff and finding a temporary third-party operator.

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

## **Appendices**

## Appendix 1 Proponent's Commitment to Undertake Mitigation and Environmental Monitoring



PREVENT  
DOMESTIC  
VIOLENCE

وہ جس نے اس کے لئے دعا کی ہے

No: 438-WMPC/203/2021/20

Dear Sir,

The Environmental and Social Management Plan (ESMP) prepared for the proposed establishment of the Island Waste and Resource Management Centre (IWRMC) in Th.Vandhoo has been prepared in accordance with the EIA Regulations 2012 and its amendments, issued by the Ministry of Environment.

We would like to confirm our commitment to the proposed mitigation measures and the monitoring programme that has been highlighted in the ESMP report prepared for the above referenced project.

Sincerely,

Ahmed Murthaza,  
Director General




Green Building, Handhwaree Hingun,  
Maafumu, Male', 20392, Republic of Maldives  
☎ +960 333 8300  
🌐 [www.environment.gov.mv](http://www.environment.gov.mv)

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 www.facebook.com/enviroment.gov.my



## Appendix 2 Project Completion Certificate

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

 **RIYAN PRIVATE LIMITED**  
REG: C-235/2006

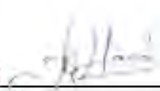
**TAKING OVER CERTIFICATE**

Project:	Upgrading of Island Waste and Resource Management Center at Vandhoo, Thaa Atoll (AGR)438-WMPC/PRIV/2023/182
Employer:	Ministry of Climate Change, Environment and Energy
Engineer / Consultant:	Riyan Pvt Ltd H.Azum, Ameenah Magu, Male', Republic of Maldives
Contractor:	L.F Construction Pvt Ltd
Description of the Permanent Works:	This project consists of a Waste management building, with Mechanical composting area, Finished composed storage and Hazardous waste storage
Commencement Date of the Works:	December 4, 2023
Original Contract Completion:	May 31, 2024
Contract Date for Completion for the whole of the Works including EOTs:	October 01, 2024
Date of Substantial Completion of the Permanent Works:	July 24, 2024
Submission of Snags Rectification Report (by consultant):	August 11, 2024

This Taking over Certificate ("TOC") is issued Pursuant to Clause 53.1 (Taking Over of the Finishing the Contract) of the General Conditions of Contract and the Letter of Acceptance dated 29<sup>th</sup> August 2023 (collectively the "Contract") which apply to the above Project.

The Engineer hereby certifies that except for the outstanding works set out in Appendix 'A' to this TOC which the Contractor undertakes to finish within the timescales mentioned in the Appendix, are substantially complete. However, all defects identified and notified to the Contractor during the final inspection must be rectified by the contractor as soon as practically possible. Defects Liability Period will start on 29<sup>th</sup> August 2024 and end after 06 months (on 24<sup>th</sup> January 2025) as per the Contract.

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

Bishar Haadi   
Riyan Pvt Ltd

Date: 29<sup>th</sup> October 2024

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## Appendix 3. Code of Conduct for Contractor's declaration, HS items & Staff list

### 1. Code of Conduct

*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

2



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 consent<sup>1</sup> 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'.

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<sup>1</sup> **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: \_\_\_\_\_

## 2. Staff List



# L.F Construction Pvt Ltd

M. Nine House, 1st Floor, Shaheed Ali Hingun, Male' 20214, Telephone: 3321008, 7792701, Fax: 3320724

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### STAFF LIST

**PROJECT: TH. VANDHOO WRMC**

#	NAME	PASSPORT NO.	WORK PERMIT NO.
1	MAEN MOLLA	BW0222109	WP00063839
2	BOOMIRAJAN	P0908857	WP00399846
3	UPENDRA RAM	N7532838	WP00416502
4	MANOJ RAJBHAR	V0397555	WP00431357
5	PRAVEEN KUMAR	P8430645	WP00560263

## **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 Vandhoo, Thaa 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 loop and a checkmark-like flourish.

Signature:

Company Name: Land and Marine Environmental Resource Group Pvt Ltd

Date: 29<sup>th</sup> February 2024

## Submission Record (21 of 116)



Language: English (en) ▼

Validation status: Select... ▼

☐ Display XML names

EDIT

VIEW

DUPLICATE



Type

Question

Response

## Section 1: General Information

<input type="radio"/>	Project Zone	Zone 5
<input type="radio"/>	Atoll	
<input type="radio"/>	Atoll	
<input type="radio"/>	Atoll	Thaa
abc	Island Name	Th.Vandhoo

## Section 2: Sub Project Details

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

## Section 3: Storage of Hazardous Chemicals during Construction

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



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?

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

abc

Specify Other Measures used?



Photograph-1 of compliance  
practice



Photograph-2 of compliance  
practice



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

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

#### Section 5: Air Quality and Dust



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

Yes



Type of vehicle used?

*Hired from the island*



Attach photo of the vehicle



Does the vehicle have an up to  
date road worthiness certificate







If yes, attach a copy of the  
certificate



How was materials transferred  
to the site?

*Covered*



<input type="radio"/>	Are machineries used well tuned / serviced?	<i>Not Applicable / Not used</i>
<input type="radio"/>	Did you observe high levels of dust generated in the work site?	<i>No</i>
<input type="radio"/>	Has dust generated from the site or construction material been deposited around the work site?	
<input type="radio"/>	How frequently is the site being sprayed with water?	
abc	Please specify the duration	
	Attach photo of the site to indicate ground condition	
<input type="radio"/>	Are stockpiled construction materials covered?	<i>Yes</i>
	Attach photo of how materials are stockpiled	
<input type="radio"/>	Is the contractor open burning any waste on the site or near the site?	<i>No</i>



If Yes, include photograph of observer burning.



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

No



Were these bearable?

## Section 6: Source of Sand



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

Yes



Provide photographic evidence



Actions Taken

## Section 7: Waste Management



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

No



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

abc

Provide details



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



Types of waste being reused for construction?

abc

Provide details



How are C&D and/or green waste (including any remaining waste after reuse) being disposed



Attach photographic evidence



Attach photographic evidence



Attach photographic evidence



Is there evidence of littering in and around the site?

No



Attach photographic evidence



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

Yes



Attach photographic evidence



## Section 8: Impacts on Natural Environment



Does the site contain any significant vegetation?








No



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

123

Specify the number of trees that were translocated

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

### Section 9: General Health and Safety

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

*Satisfactory (All workers are wearing dust masks, helmets, covered shoes, luminous vests*

(PPEs) being used?

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
- Gloves- Thick latex
- Luminous Jackets



Attach a photograph of workers with Boots/Covered Shoes



Attach a photograph of workers with Hard Hats



Attach a photograph of workers using ear muffs



Attach a photograph of welders using goggles



Attach a photograph of workers using gloves



Attach a photograph of workers using masks



Attach a photograph of workers using safety harness



Attach a photograph of workers using luminous jackets



abc

Provide details

### Section 11: Management of COVID19



Is the country under a national public health emergency?

No



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



Attach photograph



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



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



If Yes, include a photograph of the log book.



Measures taken regarding COVID19 situation in labor camp



Attach supporting photograph of social distancing



Attach supporting photograph of  
hand hygiene facilities /  
arrangements



Attach supporting photograph of  
awareness materials

## Section 12: Working Conditions and Labor



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

*Contractor*

123

Specify amount in MVR

123

How many meals / breaks are  
provided per day

123

What are the standard per day  
working hours?



Specify work start time



Specify work end time



How is accommodation being  
arranged?

*Temporary accommodation block*



Was staff accommodation  
checked during monitoring?

*No*

123

How many toilets / bathrooms  
are present?



Attach a photograph of  
accommodation facility



Facilities present at the  
accommodation

abc

Specify

Is the site of labor  
accommodation clean and





sanitary and kept neatly?



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

Yes

## Section 13: Fire Safety



Is a portable extinguisher present at the site?

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

123

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

6



Are any female workers recruited for the project?

No

123

Specify the number of female workers

123

Specify the number of local workers

1

123

Specify the number of expatriate workers

5



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

Yes

abc

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?	
123	If Yes, Number of stakeholders consulted?	
123	Number of women consulted?	
	Attach Minutes of Consultation	
	If No, provide the planned date of next consultations?	Feb 28, 2024

Section 17: Informants

abc	Contractor's Informant Name and Designation	Maen, Site supervisor
abc	Council's Informant Name and Designation	Afif, Vice president
abc	Name and Designation of the person who filled the form	Sridhar Rajendran, Project Engineer
<input checked="" type="checkbox"/>	I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature	



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today	
username	

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Submitted by	



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116 submissions

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Submission Record (3 of 38)



Language: English (en) ▾

Validation status: Select... ▾

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DUPLICATE



Type	Question	Response
Section 1: General Information		
	Project Zone	Zone 5
	Atoll	
	Atoll	
	Atoll	Thaa
abc	Island Name	Vandhoo
Section 2: Sub Project Details		
	Type of Sub Project?	IWRMC Manual Composting
abc	Other Sub Project	
	Sub-project details	Construction of a new center
	Sub Project Location?	
abc	Physical Progress	
Section 3: Storage of Hazardous Chemicals during Construction		
	Are fuel used for project purposes stored in sealed	Not Applicable / Observed

containers?



If Yes attach, a photograph of the containers



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



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

Yes



If Yes, attach photographic proof



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







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

No











Include photographic evidence

## Section 4: Noise Pollution Management Practices

	What mitigation measures have been applied by the contractor to reduce noise pollution?	<i>Construction Activity Only During Day Time</i> <ul style="list-style-type: none"> <li>(8.00am-6.00pm)</li> </ul>
abc	Specify Other Measures used?	
	Photograph-1 of compliance practice	
	Photograph-2 of compliance practice	
	Was was the noise level observed on the site during the monitoring visit?	<i>Low levels of noise (can hear speech over sound, low levels of noise at site)</i>

## Section 5: Air Quality and Dust

	Are vehicles used for transporting material from harbour to project site?	Yes
	Type of vehicle used?	<i>Hired from the island</i>
	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>Covered</i>
	Are machineries used well tuned / serviced?	Yes
	Did you observe high levels of dust generated in the work site?	No



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



How frequently is the site being sprayed with water?

abc

Please specify the duration



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

Yes



Attach photo of how materials are stockpiled



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

No



If Yes, include photograph of observer burning.

Did you notice any fumes or bad smells from the site being





generated via the use of chemicals?

No



Were these bearable?

### Section 6: Source of Sand



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

Yes



Provide photographic evidence



Actions Taken

### Section 7: Waste Management



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

No













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

abc


Provide details











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

	Types of waste being reused for construction?	
abc	Provide details	
	How are C&D and/or green waste (including any remaining waste after reuse) being disposed	
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	
	Is there evidence of littering in and around the site?	No
	Attach photographic evidence	
	A bin is present for disposing general waste generated by workers?	Yes
	Attach photographic evidence	

### Section 8: Impacts on Natural Environment

	Does the site contain any significant vegetation?	No
	Was any vegetation present at the site translocated to another	

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

### Section 9: General Health and Safety

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



Attach a photograph of site demarcation



Is no entry sign board present?

Yes



Attach a photograph of no entry sign board



Is safety sign board with PPE requirement present?

Yes



Attach a photograph of PPE sign board



## Section 10: Occupational Health and Safety



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

*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
- Gloves- Thick latex
- Luminous Jackets



Attach a photograph of workers with Boots/Covered Shoes







Attach a photograph of workers with Hard Hats



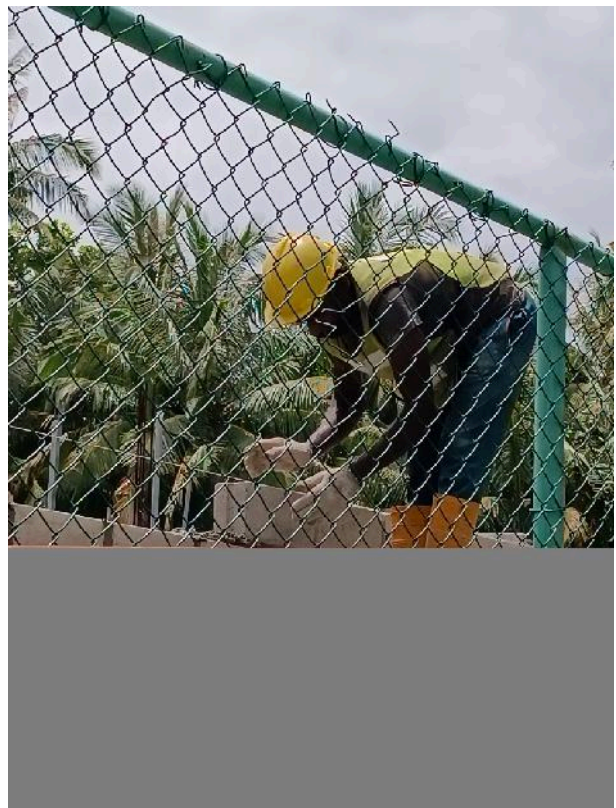
Attach a photograph of workers using ear muffs



Attach a photograph of welders using goggles



Attach a photograph of workers using gloves



Attach a photograph of workers using masks



Attach a photograph of workers using safety harness



Attach a photograph of workers using luminous jackets



abc

Provide details

## Section 11: Management of COVID19



Is the country under a national public health emergency?

No



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



Attach photograph



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



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



If Yes, include a photograph of the log book.



Measures taken regarding COVID19 situation in labor camp



Attach supporting photograph of social distancing





Attach supporting photograph of  
hand hygiene facilities /  
arrangements



Attach supporting photograph of  
awareness materials

## Section 12: Working Conditions and Labor



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

*Contractor*

123

Specify amount in MVR

123

How many meals / breaks are  
provided per day

123

What are the standard per day  
working hours?



Specify work start time



Specify work end time



How is accommodation being  
arranged?

*Temporary accommodation block*



Was staff accommodation  
checked during monitoring?

*No*

123

How many toilets / bathrooms  
are present?



Attach a photograph of  
accommodation facility



Facilities present at the  
accommodation

abc


Specify

Is the site of labor  
accommodation clean and

- |                       |                                                                                          |     |
|-----------------------|------------------------------------------------------------------------------------------|-----|
| <input type="radio"/> | sanitary and kept neatly?                                                                |     |
| <input type="radio"/> | At the work site do the labor have a resting area with adequate drinking water supplies? | Yes |

## Section 13: Fire Safety

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

 Attach photographic of extinguisher









- |                                                                                     |                                     |                                                                                                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Other fire safety precautions taken | <ul style="list-style-type: none"> <li>• No open electrical wires are found</li> <li>• Electrical wires installed by certified person</li> </ul> |
|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

## Section 14: Sociocultural Issues

- |                       |                                                                |    |
|-----------------------|----------------------------------------------------------------|----|
| 123                   | What is the total number of workers recruited for the project? | 6  |
| <input type="radio"/> | Are any female workers recruited for the project?              | No |
| 123                   | Specify the number of female workers                           |    |
| 123                   | Specify the number of local workers                            | 1  |
|                       | Specify the number of expatriate                               |    |

123	workers	5
<input type="radio"/>	Does all the expatriate workers have valid work permits and work visas?	
abc	Specify names of the staffs who do not have valid work permits and work visas	
<input type="radio"/>	Are all workers above the age of 18?	

## Section 15: Grievance Redress Mechanism (GRM)

<input type="radio"/>	Is project board with GRM information present at the site?	Yes
	Attach photograph of the GRM board	
	When does the contractor plan to do this?	
<input type="radio"/>	ARE GRM POSTERS PRESENT IN THE ISLAND COUNCILS NOTICE BOARD AND IN PUBLIC PLACES?	No
	Attach photographic evidence	
	Attach photographic evidence	
	Attach photographic evidence	



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



WAS ANY GRIEVANCE  
RELATED TO THE  
FOLLOWING ISSUES  
RECEIVED?



Has the concerned authorities  
been notified?

#### Section 16: Status of Stakeholder Consultations



Have further Stakeholder  
Consultations been carried out?

*No*



If Yes, provide Date and Time of  
Consultation?

123

If Yes, Number of stakeholders  
consulted?

123

Number of women consulted?



Attach Minutes of Consultation



If No, provide the planned date  
of next consultations?

#### Section 17: Informants

abc

Contractor's Informant Name  
and Designation

*Praveen, Engineer, LFC*

abc

Council's Informant Name and  
Designation

*Afeef, Vice president*

abc


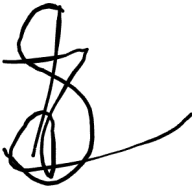
Name and Designation of the  
person who filled the form

*Sridhar, Project Engineer*



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

*OK*

knowledge	
	Signature
	

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Submitted by	



## Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of Th. Vandhoo 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 of revision:** 3<sup>rd</sup> April 2024

Submission Record (2 of 42)



Language: 

English (en) ▾

Validation status: 

Select... ▾

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DUPLICATE



Type	Question	Response
Section 1: General Information		
<input checked="" type="radio"/>	Project Zone	Zone 5
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	
<input checked="" type="radio"/>	Atoll	Thaa
abc	Island Name	Vandhoo
Section 2: Sub Project Details		
<input checked="" type="radio"/>	Type of Sub Project?	IWRMC Composting Machine
abc	Other Sub Project	
<input checked="" type="radio"/>	Sub-project details	Construction of a new center
	Sub Project Location?	latitude (x.y °): 2.289285 longitude (x.y °): 72.943158 altitude (m): 0 accuracy (m): 0
abc	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?	<i>Construction Activity Only During Day Time</i> <ul style="list-style-type: none"> <li><i>(8.00am-6.00pm)</i></li> </ul>
abc	Specify Other Measures used?	
	Photograph-1 of compliance practice	
	Photograph-2 of compliance practice	
	Was was the noise level observed on the site during the monitoring visit?	<i>Low levels of noise (can hear speech over sound, low levels of noise at site)</i>

## Section 5: Air Quality and Dust

	Are vehicles used for transporting material from harbour to project site?	Yes
	Type of vehicle used?	<i>Hired from the island</i>
	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>Covered</i>
	Are machineries used well tuned / serviced?	Yes



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

No



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



How frequently is the site being sprayed with water?

abc

Please specify the duration



Attach photo of the site to indicate ground condition



Are stockpiled construction materials covered?

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 bad smells from the site being generated via the use of chemicals?

No



Were these bearable?

## Section 6: Source of Sand



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

Yes



Provide photographic evidence



Actions Taken

Section 7: Waste Management



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



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

abc

Provide details



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



Types of waste being reused for construction?

abc

Provide details





How are C&D and/or green waste (including any remaining waste after reuse) being disposed



Attach photographic evidence



Attach photographic evidence



Attach photographic evidence



Is there evidence of littering in and around the site?

No



Attach photographic evidence



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

Yes



Attach photographic evidence



## Section 8: Impacts on Natural Environment



Does the site contain any significant vegetation?








No



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

123

Specify the number of trees that were translocated

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

### Section 9: General Health and Safety

	Is the site demarcated as a Construction Site?	Yes
	Which method is used to demarcate the site?	<i>Fencing</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"><li>• Boots/Covered Shoes</li><li>• Hard hats</li><li>• Gloves- Thick latex</li><li>• Luminous Jackets</li></ul>





Attach a photograph of workers with Boots/Covered Shoes



Attach a photograph of workers with Hard Hats



Attach a photograph of workers using ear muffs



Attach a photograph of welders

using goggles



Attach a photograph of workers using gloves



Attach a photograph of workers using masks



Attach a photograph of workers using safety harness



Attach a photograph of workers using luminous jackets



abc

Provide details

## Section 11: Management of COVID19



Is the country under a national public health emergency?

No



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



Attach photograph



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





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

	If Yes, include a photograph of the log book.
	Measures taken regarding COVID19 situation in labor camp
	Attach supporting photograph of social distancing
	Attach supporting photograph of hand hygiene facilities / arrangements
	Attach supporting photograph of awareness materials



## Section 12: Working Conditions and Labor

	How is food arrangements being made for the contractor's workers?	<i>Contractor</i>
123	Specify amount in MVR	
123	How many meals / breaks are provided per day	2
123	What are the standard per day working hours?	12
	Specify work start time	07:00:00.000+05:00
	Specify work end time	19:00:00.000+05:00
	How is accommodation being arranged?	<i>Temporary accommodation block</i>
	Was staff accommodation checked during monitoring?	<i>No</i>
123	How many toilets / bathrooms are present?	



	Attach a photograph of accommodation facility	
	Facilities present at the accommodation	
abc	Specify	
<input type="radio"/>	Is the site of labor accommodation clean and sanitary and kept neatly?	
<input type="radio"/>	At the work site do the labor have a resting area with adequate drinking water supplies?	Yes

## Section 13: Fire Safety

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





Other fire safety precautions taken

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

#### Section 14: Sociocultural Issues

123	What is the total number of workers recruited for the project?	6
<input checked="" type="radio"/>	Are any female workers recruited for the project?	No
123	Specify the number of female workers	
123	Specify the number of local workers	1
123	Specify the number of expatriate workers	5
<input checked="" type="radio"/>	Does all the expatriate workers have valid work permits and work visas?	No
abc	Specify names of the staffs who do not have valid work permits and work visas	<i>Praveen Kumar (WP00560263) (Expired on 27-Mar-24)</i>
<input checked="" type="radio"/>	Are all workers above the age of 18?	Yes

#### Section 15: Grievance Redress Mechanism (GRM)

<input checked="" 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?	No
	If Yes, provide Date and Time of Consultation?	
123	If Yes, Number of stakeholders consulted?	
123	Number of women consulted?	
	Attach Minutes of Consultation	
	If No, provide the planned date of next consultations?	

### Section 17: Informants

abc	Contractor's Informant Name and Designation	Maen Molla, Supervisor
abc	Council's Informant Name and Designation	Hussain Afeef, Vice President
abc	Name and Designation of the person who filled the form	Aminath Mohamed, Senior Research Officer
<input checked="" type="checkbox"/>	I certify that all the data captures is accurate to the best of my knowledge	OK
	Signature	

start	2024-04-02T15:29:44.797+05:00
end	2024-04-03T13:47:00.268+05:00
today	
username	
device ID	ee.kobotoolbox.org:TgsjbR8x6paAKeN7
phone number	phonenumber not found
audit	
__version__	vHgrde83WKAA7taMARsXxw
_id	326594407
instanceID	uuid:1a076ebf-5ef9-4237-9cc7-aa55f17dae6a
Submitted by	



ESMP Monitoring Constr...

121 submissions

L

## Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of Th. Vandhoo 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 of revision:** 2<sup>nd</sup> May 2024

# ESMP Monitoring Construction Phase

## Section 1: General Information

PROJECT ZONE \*

- ☐ Zone 2
- ☐ Zone 4
- ☒ Zone 5

ATOLL

- ☒ Thaa
- ☐ Laamu

ISLAND NAME

**Vandhoo**

## Section 2: Sub Project Details

TYPE OF SUB PROJECT? \*

*Indicate information pertaining to the proposed technology*

- ☐ IWRMC Manual Composting
- ☒ IWRMC Composting Machine
- ☐ IWRMC Anaerobic Digestion
- ☐ Other

SUB-PROJECT DETAILS

- ☒ Construction of a new center
- ☐ Upgrading of an existing center

## SUB PROJECT LOCATION?

*Include Atoll and select project site via map***2.289452 72.94321 0 0**

latitude (x.y °)

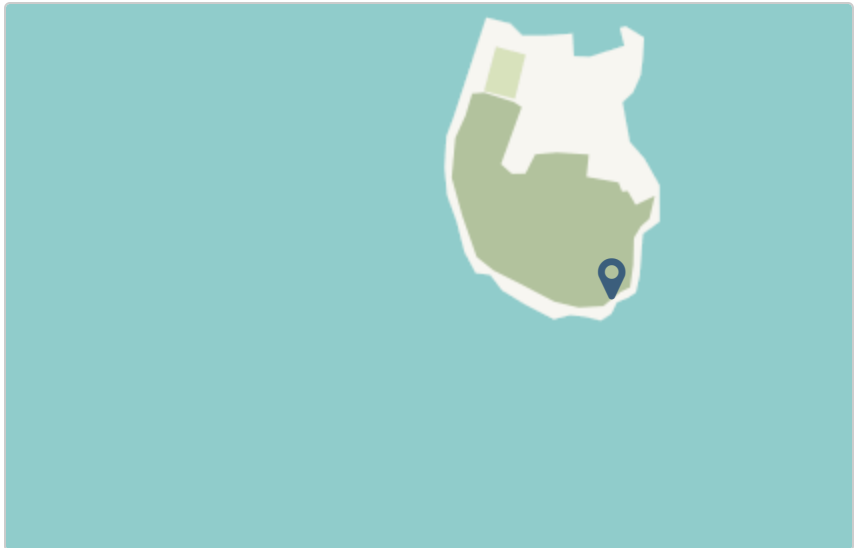
2.289452

longitude (x.y °)

72.94321

altitude (m)

accuracy (m)



## PHYSICAL PROGRESS

*Provide Percentage*

### Section 3: Storage of Hazardous Chemicals during Construction

ARE FUEL USED FOR PROJECT PURPOSES STORED IN SEALED CONTAINERS?

*This would mostly include oil and diesel for the cement mixing machine*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Observed

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
- ☐ No
- ☐ Not Applicable / Observed



IF YES, ATTACH PHOTOGRAPHIC PROOF

IMG\_20240424\_120334-16\_3\_26.jpg



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

- ☐ Yes
- ☒ No

## 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)
- ☐ Noise Barrier Installed
- ☐ Workers involved in either drilling, welding or noisy machinery operation were wearing ear muffs
- ☐ Other measures used by contractor

WHAT WAS THE NOISE LEVEL OBSERVED ON THE SITE DURING THE MONITORING VISIT?

- ☐ Very Loud ( heavy machinery in operation, continuous drilling and construction noise, not bearable, loud labor gangs)
- ☐ Moderate ( normal construction site operation, bearable but moderately noisy)
- ☒ 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
- ☐ No

ARE MACHINERIES USED WELL TUNED / SERVICED?

*Machines are operating without emissions of smoke or fumes*

- ☒ Yes
- ☐ No
- ☐ Not Applicable / Not used

DID YOU OBSERVE HIGH LEVELS OF DUST GENERATED IN THE WORK SITE?

- ☐ Yes
- ☒ No

ATTACH PHOTO OF THE SITE TO INDICATE GROUND CONDITION

IMG\_20240424\_120801-16\_4\_51.jpg



ARE STOCKPILED CONSTRUCTION MATERIALS COVERED?

- ☒ Yes
- ☐ No

ATTACH PHOTO OF HOW MATERIALS ARE STOCKPILED

IMG\_20240424\_115558-16\_7\_40.jpg



IS THE CONTRACTOR OPEN BURNING ANY WASTE ON THE SITE OR NEAR THE SITE?

☐ Yes

☒ No

DID YOU NOTICE ANY FUMES OR BAD SMELLS FROM THE SITE BEING GENERATED VIA THE USE OF CHEMICALS?

☐ Yes

☒ No

## Section 6: Source of Sand

IS SAND SOURCED FOR CONSTRUCTION IN COMPLIANCE WITH NATIONAL LAWS AND REGULATION?

*(Sand should not be sourced from the beach or lagoon of an inhabited island, tourist resort, or any protected island. This includes the area of the island designated for sand mining of local public use)*

- ☒ Yes
- ☐ No

PROVIDE PHOTOGRAPHIC EVIDENCE

*Attach a photograph of sand bags*

IMG\_20240424\_120152-16\_5\_21.jpg



## Section 7: Waste Management

IS CONSTRUCTION AND DEMOLITION WASTE (C&D) AND/OR GREEN WASTE GENERATED FROM THE PROJECT?

*If unsure, ask the Site Supervisor for verification*

- ☐ Yes
- ☒ No

IS THERE EVIDENCE OF LITTERING IN AND AROUND THE SITE?

*Walk around the site and do a visual inspection*

- ☐ Yes
- ☒ No

A BIN IS PRESENT FOR DISPOSING GENERAL WASTE GENERATED BY WORKERS?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC EVIDENCE

IMG\_20240424\_115045-16\_5\_49.jpg



## Section 8: Impacts on Natural Environment

DOES THE SITE CONTAIN ANY SIGNIFICANT VEGETATION?

*Only large trees and coconut palms are referred here*

- ☒ Yes
- ☐ No

WAS ANY VEGETATION PRESENT AT THE SITE TRANSLOCATED TO ANOTHER AREA OF THE ISLAND?

*Indicate if trees were taken to another location*

- ☒ Yes
- ☐ No

SPECIFY THE NUMBER OF TREES THAT WERE TRANSLOCATED

PROVIDE A PHOTOGRAPH OF THE TRANSLOCATED AREA

IMG\_20240327\_114342-18\_7\_33.jpg



WAS ANY VEGETATION REMOVED / CHOPPED?

☐ Yes

☐ No

## Section 9: General Health and Safety

IS THE SITE DEMARCATED AS A CONSTRUCTION SITE?

☒ Yes

☐ No

WHICH METHOD IS USED TO DEMARCATE THE SITE?

☐ Taping

☒ Fencing

☐ Hoarding



ATTACH A PHOTOGRAPH OF SITE DEMARCATION

IMG\_20240424\_115045-16\_6\_29.jpg



IS NO ENTRY SIGN BOARD PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF NO ENTRY SIGN BOARD

IMG\_20240424\_115045-16\_6\_47.jpg





IS SAFETY SIGN BOARD WITH PPE REQUIREMENT PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF PPE SIGN BOARD

IMG\_20240424\_115045-16\_6\_53.jpg



## 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.)
- ☒ 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-
- ☐ Unsatisfactory (Less than 20% 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
- ☐ Ear Mufflers ( Workers operating machinery or drilling)
- ☐ Goggles (workers, drilling, welding or using sharp machinery)
- ☒ Gloves- Thick latex
- ☐ Masks
- ☐ Safety Harnesses
- ☒ Luminous Jackets
- ☐ Others

ATTACH A PHOTOGRAPH OF WORKERS WITH BOOTS/COVERED SHOES

IMG\_20240424\_120614-16\_8\_58.jpg



ATTACH A PHOTOGRAPH OF WORKERS WITH HARD HATS

IMG\_20240424\_120134-16\_9\_16.jpg



ATTACH A PHOTOGRAPH OF WORKERS USING GLOVES

IMG\_20240424\_120202-16\_9\_26.jpg



ATTACH A PHOTOGRAPH OF WORKERS USING LUMINOUS JACKETS

IMG\_20240424\_122241-16\_9\_31.jpg



## Section 11: Management of COVID19

IS THE COUNTRY UNDER A NATIONAL PUBLIC HEALTH EMERGENCY?

☐ Yes

☒ No

## Section 12: Working Conditions and Labor

HOW IS FOOD ARRANGEMENTS BEING MADE FOR THE CONTRACTOR'S WORKERS?

*Ask the Site Supervisor and / or workers at the site*

- ☐ Monthly allowance
- ☒ Contractor

HOW MANY MEALS / BREAKS ARE PROVIDED PER DAY

*Ask the Site Supervisor and / or workers at the site*

3

WHAT ARE THE STANDARD PER DAY WORKING HOURS?

10

SPECIFY WORK START TIME

07:00 AM

SPECIFY WORK END TIME

07:00 PM

HOW IS ACCOMMODATION BEING ARRANGED?

*Ask the site supervisor and / or workers at the site*

- ☐ Rented house
- ☒ Temporary accommodation block
- ☐ Single Room

WAS STAFF ACCOMMODATION CHECKED DURING MONITORING?

- ☐ Yes
- ☒ No

AT THE WORK SITE DO THE LABOR HAVE A RESTING AREA WITH ADEQUATE DRINKING WATER SUPPLIES?

*Ask the Site Supervisor for verification*

- ☐ Yes
- ☐ No

## Section 13: Fire Safety

IS A PORTABLE EXTINGUISHER PRESENT AT THE SITE?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC OF EXTINGUISHER

IMG\_20240424\_120334-16\_11\_14.jpg



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?

9

ARE ANY FEMALE WORKERS RECRUITED FOR THE PROJECT?

- ☒ Yes
- ☐ No

SPECIFY THE NUMBER OF FEMALE WORKERS

0

SPECIFY THE NUMBER OF LOCAL WORKERS

0

SPECIFY THE NUMBER OF EXPATRIATE WORKERS

9

DOES ALL THE EXPATRIATE WORKERS HAVE VALID WORK PERMITS AND WORK VISAS?

☐ Yes

☒ No

SPECIFY NAMES OF THE STAFFS WHO DO NOT HAVE VALID WORK PERMITS AND WORK VISAS

**Maen Molla, Boomirajan Karuppaiah, Upendra Ram, Praveen Kumar, Ramulu Mangalarapu, Santosh Kumar Harijan, Saravanan Mony**

ARE ALL WORKERS ABOVE THE AGE OF 18?

*Verify via the work permits / National ID cards and confirm*

☒ Yes

☐ No



## Section 15: Grievance Redress Mechanism (GRM)

IS PROJECT BOARD WITH GRM INFORMATION PRESENT AT THE SITE?

☒ Yes

☐ No

ATTACH PHOTOGRAPH OF THE GRM BOARD

IMG\_20240424\_115045-16\_13\_56.jpg



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

☐ Yes

☒ No

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

yyyy-mm-dd

WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?

- ☐ CASE OF GENDER BASED VIOLENCE (GBV) / Sexual harassment (SH) / Sexual Exploitation and Abuse (SEA)
- ☐ CASE OF THEFT
- ☐ CASE OF VIOLENCE
- ☐ CASE OF MISCONDUCT BY PROJECT WORKERS
- ☐ CASE OF MAJOR ENVIRONMENTAL IMPACT (SPILL, FIRE Etc)

## Section 16: Status of Stakeholder Consultations

HAVE FURTHER STAKEHOLDER CONSULTATIONS BEEN CARRIED OUT?

- ☐ Yes
- ☒ No

IF NO, PROVIDE THE PLANNED DATE OF NEXT CONSULTATIONS?

yyyy-mm-dd

## Section 17: Informants

CONTRACTOR'S INFORMANT NAME AND DESIGNATION \*

**Maen Molla, Supervisor**

COUNCIL'S INFORMANT NAME AND DESIGNATION \*

**Hussain Afeef, Vice President**

NAME AND DESIGNATION OF THE PERSON WHO FILLED THE FORM

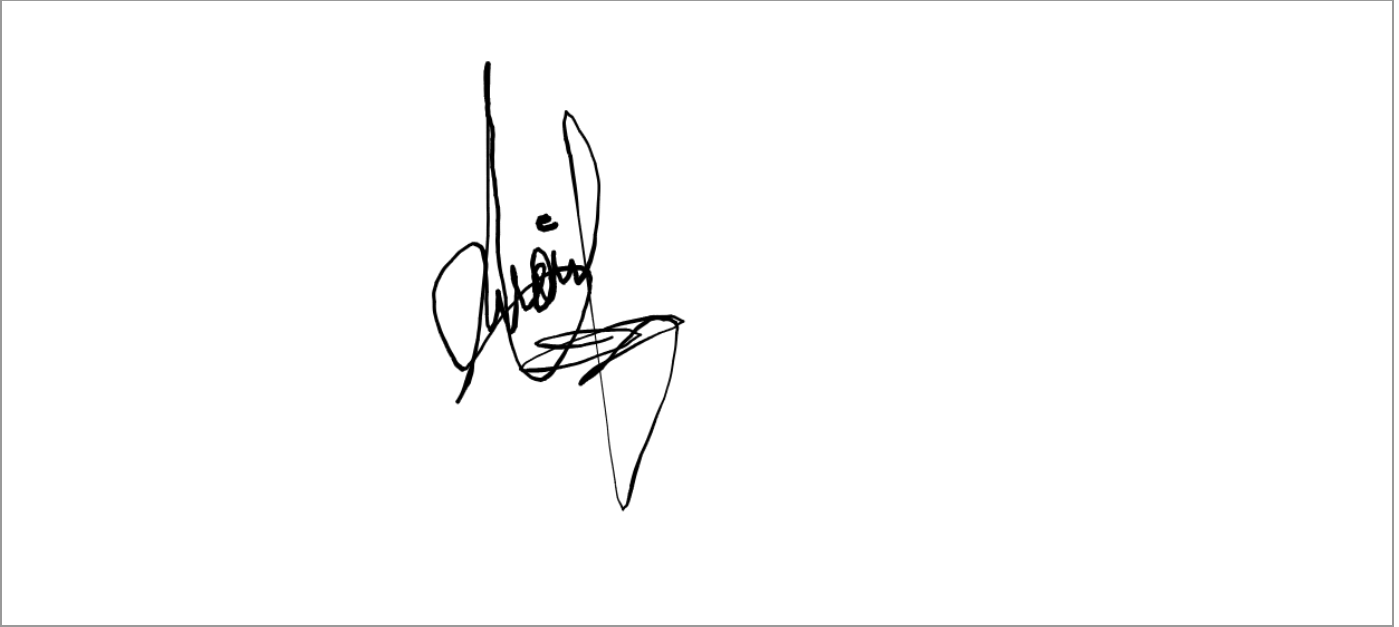
**Aminath Mohamed, Senior Research Officer**

I CERTIFY THAT ALL THE DATA CAPTURES IS ACCURATE TO THE BEST OF MY KNOWLEDGE \*

☒ OK

SIGNATURE

**signature-18\_8\_2.png**



THIS NOTE CAN BE READ OUT LOUD.....

*Thankyou for completing the form. Please submit when completed*

## Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of Island Waste Recovery Management Centre (IWRMC) in the Island of Th. Vandhoo is acquired at the time of inspection, availability of informants on-site and is factual to the best of my knowledge.

Name: Michael C. Rubia

Designation: Environmental & Social Safeguard Officer

Signature:

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

Company: Riyan Private Limited

Date of revision:

# ESMP Monitoring Construction Phase

## Section 1: General Information

PROJECT ZONE

☐ Zone 2

☐ Zone 4

☒ Zone 5

ATOLL

☒ Thaa

☐ Laamu

ISLAND NAME

Vandhoo

## Section 2: Sub Project Details

TYPE OF SUB PROJECT?

*Indicate information pertaining to the proposed technology*

☐ IWRMC Manual Composting

☒ IWRMC Composting Machine

☐ IWRMC Anaerobic Digestion

☐ Other

SUB-PROJECT DETAILS

☐ Construction of a new center

☒ Upgrading of an existing center

**SUB PROJECT LOCATION?***Include Atoll and select project site via map*

2.289306 72.943376 -87.5999984741211 5.507999897003174

latitude (x.y °)

2.289306

longitude (x.y °)

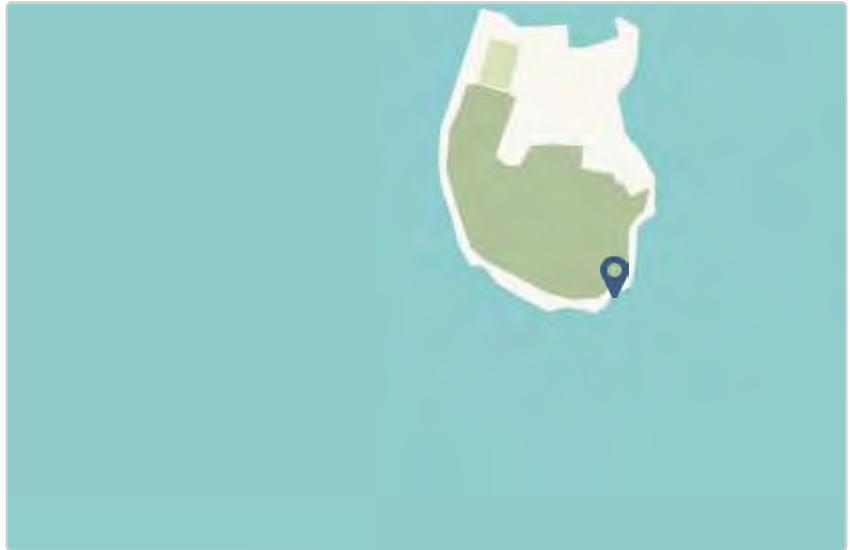
72.943376

altitude (m)

-87.5999984741211

accuracy (m)

5.507999897003174

**PHYSICAL PROGRESS***Provide Percentage***Section 3: Storage of Hazardous Chemicals during Construction****ARE FUEL USED FOR PROJECT PURPOSES STORED IN SEALED CONTAINERS?***This would mostly include oil and diesel for the cement mixing machine*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Observed

**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
- ☒ No
- ☐ Not Applicable / Observed

IF NO, ATTACH A PHOTOGRAPH TO SHOW HOW THE CHEMICALS ARE BEING KEPT

IMG20240716113006-11\_38\_11.jpg



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

- ☐ Yes
- ☒ No

## 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)
- ☐ Noise Barrier Installed
- ☐ Workers involved in either drilling, welding or noisy machinery operation were wearing ear muffs
- ☐ Other measures used by contractor

WAS WAS THE NOISE LEVEL OBSERVED ON THE SITE DURING THE MONITORING VISIT?

- ☐ Very Loud ( heavy machinery in operation, continuous drilling and construction noise, not bearable, loud labor gangs)
- ☐ Moderate ( normal construction site operation, bearable but moderately noisy)
- ☒ 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
- ☒ No

HOW WAS MATERIALS TRANSFERRED TO THE SITE?

- ☐ Covered
- ☐ Not Covered
- ☒ Not Observed

ARE MACHINERIES USED WELL TUNED / SERVICED?

*Machines are operating without emissions of smoke or fumes*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Not used

DID YOU OBSERVE HIGH LEVELS OF DUST GENERATED IN THE WORK SITE?

- ☐ Yes
- ☒ No

ATTACH PHOTO OF THE SITE TO INDICATE GROUND CONDITION

IMG20240716112911-11\_38\_51.jpg



ARE STOCKPILED CONSTRUCTION MATERIALS COVERED?

- ☒ Yes
- ☐ No

ATTACH PHOTO OF HOW MATERIALS ARE STOCKPILED

IMG20240716112602-11\_39\_7.jpg



IS THE CONTRACTOR OPEN BURNING ANY WASTE ON THE SITE OR NEAR THE SITE?

- ☐ Yes
- ☒ No

DID YOU NOTICE ANY FUMES OR BAD SMELLS FROM THE SITE BEING GENERATED VIA THE USE OF CHEMICALS?

- ☐ Yes
- ☒ No

## Section 6: Source of Sand

IS SAND SOURCED FOR CONSTRUCTION IN COMPLIANCE WITH NATIONAL LAWS AND REGULATION?

*(Sand should not be sourced from the beach or lagoon of an inhabited island, tourist resort, or any protected island. This includes the area of the island designated for sand mining of local public use)*

- ☒ Yes  
☐ No

PROVIDE PHOTOGRAPHIC EVIDENCE

*Attach a photograph of sand bags*

IMG20240716112427-11\_39\_33.jpg



## Section 7: Waste Management

IS CONSTRUCTION AND DEMOLITION WASTE (C&D) AND/OR GREEN WASTE GENERATED FROM THE PROJECT?

*If unsure, ask the Site Supervisor for verification*

- ☐ Yes  
☒ No

IS THERE EVIDENCE OF LITTERING IN AND AROUND THE SITE?

*Walk around the site and do a visual inspection*

- ☐ Yes  
☒ No

A BIN IS PRESENT FOR DISPOSING GENERAL WASTE GENERATED BY WORKERS?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC EVIDENCE

IMG20240716112836-11\_39\_55.jpg



## Section 8: Impacts on Natural Environment

DOES THE SITE CONTAIN ANY SIGNIFICANT VEGETATION?

*Only large trees and coconut palms are referred here*

- ☐ Yes
- ☒ No

## Section 9: General Health and Safety

IS THE SITE DEMARCATED AS A CONSTRUCTION SITE?

- ☒ Yes
- ☐ No

WHICH METHOD IS USED TO DEMARCATATE THE SITE?

- ☐ Taping
- ☒ Fencing
- ☐ Hoarding



ATTACH A PHOTOGRAPH OF SITE DEMARCATION

IMG20240716112441-11\_40\_20.jpg



IS NO ENTRY SIGN BOARD PRESENT?

- ☒ Yes
- ☐ No

ATTACH A PHOTOGRAPH OF NO ENTRY SIGN BOARD

IMG20240716112527-11\_40\_36.jpg



IS SAFETY SIGN BOARD WITH PPE REQUIREMENT PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF PPE SIGN BOARD

IMG20240716112526-11\_41\_7.jpg



## 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.)
- ☒ 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-
- ☐ Unsatisfactory (Less than 20% 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
- ☐ Ear Mufflers ( Workers operating machinery or drilling)
- ☐ Goggles (workers, drilling, welding or using sharp machinery)
- ☐ Gloves- Thick latex
- ☐ Masks
- ☐ Safety Harnesses
- ☒ Luminous Jackets
- ☐ Others



ATTACH A PHOTOGRAPH OF WORKERS WITH BOOTS/COVERED SHOES

IMG20240716113617-11\_41\_31.jpg



ATTACH A PHOTOGRAPH OF WORKERS WITH HARD HATS

IMG20240716112918-11\_41\_46.jpg



ATTACH A PHOTOGRAPH OF WORKERS USING LUMINOUS JACKETS

IMG20240716113610-11\_41\_53.jpg



## Section 11: Management of COVID19

IS THE COUNTRY UNDER A NATIONAL PUBLIC HEALTH EMERGENCY?

- ☐ Yes
- ☒ No

## Section 12: Working Conditions and Labor

HOW IS FOOD ARRANGEMENTS BEING MADE FOR THE CONTRACTOR'S WORKERS?

*Ask the Site Supervisor and / or workers at the site*

- ☐ Monthly allowance
- ☒ Contractor

HOW MANY MEALS / BREAKS ARE PROVIDED PER DAY

*Ask the Site Supervisor and / or workers at the site*

3

WHAT ARE THE STANDARD PER DAY WORKING HOURS?

8

SPECIFY WORK START TIME

08:00 am

## SPECIFY WORK END TIME

06:00 pm

## HOW IS ACCOMMODATION BEING ARRANGED?

*Ask the site supervisor and / or workers at the site*

- ☒ Rented house
- ☐ Temporary accommodation block
- ☐ Single Room

## WAS STAFF ACCOMMODATION CHECKED DURING MONITORING?

- ☐ Yes
- ☒ No

## AT THE WORK SITE DO THE LABOR HAVE A RESTING AREA WITH ADEQUATE DRINKING WATER SUPPLIES?

*Ask the Site Supervisor for verification*

- ☒ Yes
- ☐ No

## Section 13: Fire Safety

IS A PORTABLE EXTINGUISHER PRESENT AT THE SITE?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC OF EXTINGUISHER

IMG20240716113017-11\_43\_18.jpg



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?

7

ARE ANY FEMALE WORKERS RECRUITED FOR THE PROJECT?

- ☐ Yes
- ☒ No

SPECIFY THE NUMBER OF LOCAL WORKERS

0

SPECIFY THE NUMBER OF EXPATRIATE WORKERS

7

DOES ALL THE EXPATRIATE WORKERS HAVE VALID WORK PERMITS AND WORK VISAS?

☐ Yes

☒ No

SPECIFY NAMES OF THE STAFFS WHO DO NOT HAVE VALID WORK PERMITS AND WORK VISAS

BOOMIRAJAN KARUPPAIAH, CHANDRASEKARAN KUPPUSAMY, SALAUDDIN MIYAN, KAMLESH KUMAR, RITESH TIWARI, MANOJ YADAV, MD LITON

ARE ALL WORKERS ABOVE THE AGE OF 18?

*Verify via the work permits / National ID cards and confirm*

☒ Yes

☐ No

## Section 15: Grievance Redress Mechanism (GRM)

IS PROJECT BOARD WITH GRM INFORMATION PRESENT AT THE SITE?

☒ Yes

☐ No

ATTACH PHOTOGRAPH OF THE GRM BOARD

IMG20240716112551-11\_46\_54.jpg





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

- ☐ Yes
- ☒ No

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

2024-08-16

2024-08-16

WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?

- ☐ CASE OF GENDER BASED VIOLENCE (GBV) / Sexual harassment (SH) / Sexual Exploitation and Abuse (SEA)
- ☐ CASE OF THEFT
- ☐ CASE OF VIOLENCE
- ☐ CASE OF MISCONDUCT BY PROJECT WORKERS
- ☐ CASE OF MAJOR ENVIRONMENTAL IMPACT (SPILL, FIRE Etc)

Section 16: Status of Stakeholder Consultations

HAVE FURTHER STAKEHOLDER CONSULTATIONS BEEN CARRIED OUT?

- ☐ Yes
- ☐ No

Section 17: Informants

CONTRACTOR'S INFORMANT NAME AND DESIGNATION

Praveen Kumar- Site Engineer

COUNCIL'S INFORMANT NAME AND DESIGNATION

Hussain Afeef- Council Vice President

NAME AND DESIGNATION OF THE PERSON WHO FILLED THE FORM

Michael Rubia- Environmental, Social & Safeguard

I CERTIFY THAT ALL THE DATA CAPTURES IS ACCURATE TO THE BEST OF MY KNOWLEDGE

\*

☒ OK

SIGNATURE

signature.png

A large, stylized handwritten signature in black ink, appearing to be 'J. Smith', is displayed within a rectangular frame.

THIS NOTE CAN BE READ OUT LOUD.....

*Thankyou for completing the form. Please submit when completed*



## Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of Island Waste Recovery Management Centre (IWRMC) in the Island of Th. Vandhoo is acquired at the time of inspection, availability of informants on-site and is factual to the best of my knowledge.

Name: Michael C. Rubia

Designation: Environmental & Social Safeguard Officer

Signature:

A handwritten signature in blue ink, appearing to be 'Michael C. Rubia', written over a faint circular stamp.

Company: Bryan Private Limited

Date Issued: 15<sup>th</sup> August 2024

Date of revision:

Title of Report: Interim ESMP Monitoring Report -July 2024

# ESMP Monitoring Construction Phase

## Section 1: General Information

PROJECT ZONE

☐ Zone 2

☐ Zone 4

☒ Zone 5

ATOLL

☒ Thaa

☐ Laamu

ISLAND NAME

Vandhoo

## Section 2: Sub Project Details

TYPE OF SUB PROJECT?

*Indicate information pertaining to the proposed technology*

☐ IWRMC Manual Composting

☒ IWRMC Composting Machine

☐ IWRMC Anaerobic Digestion

☐ Other

SUB-PROJECT DETAILS

☐ Construction of a new center

☒ Upgrading of an existing center

**SUB PROJECT LOCATION?***Include Atoll and select project site via map*

latitude (x.y °)

2.289015

longitude (x.y °)

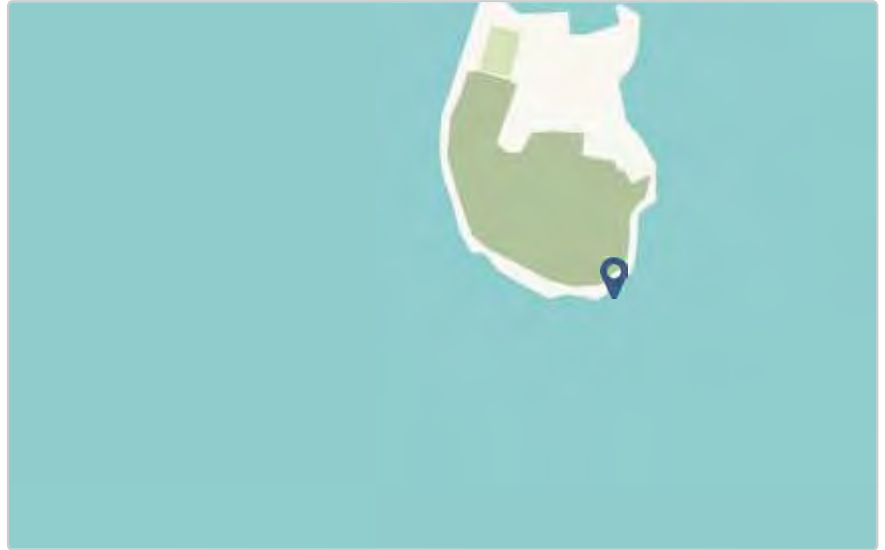
72.943356

altitude (m)

-113.05682373046875

accuracy (m)

84.36499786376953

**PHYSICAL PROGRESS***Provide Percentage*

62.08% (month of July 2024)

**Section 3: Storage of Hazardous Chemicals during Construction****ARE FUEL USED FOR PROJECT PURPOSES STORED IN SEALED CONTAINERS?***This would mostly include oil and diesel for the cement mixing machine*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Observed

**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
- ☒ No
- ☐ Not Applicable / Observed

IF NO, ATTACH A PHOTOGRAPH TO SHOW HOW THE CHEMICALS ARE BEING KEPT

IMG20240806111839-11\_22\_8.jpg



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

- ☐ Yes
- ☒ No

## 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)
- ☐ Noise Barrier Installed
- ☐ Workers involved in either drilling, welding or noisy machinery operation were wearing ear muffs
- ☐ Other measures used by contractor

WAS WAS THE NOISE LEVEL OBSERVED ON THE SITE DURING THE MONITORING VISIT?

- ☐ Very Loud ( heavy machinery in operation, continuous drilling and construction noise, not bearable, loud labor gangs)
- ☐ Moderate ( normal construction site operation, bearable but moderately noisy)
- ☒ 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
- ☒ No

HOW WAS MATERIALS TRANSFERRED TO THE SITE?

- ☐ Covered
- ☐ Not Covered
- ☒ Not Observed

ARE MACHINERIES USED WELL TUNED / SERVICED?

*Machines are operating without emissions of smoke or fumes*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Not used

DID YOU OBSERVE HIGH LEVELS OF DUST GENERATED IN THE WORK SITE?

- ☐ Yes
- ☒ No

ATTACH PHOTO OF THE SITE TO INDICATE GROUND CONDITION

IMG20240806111730-11\_22\_39.jpg



ARE STOCKPILED CONSTRUCTION MATERIALS COVERED?

- ☒ Yes
- ☐ No

ATTACH PHOTO OF HOW MATERIALS ARE STOCKPILED

IMG20240806112321-11\_23\_51.jpg



IS THE CONTRACTOR OPEN BURNING ANY WASTE ON THE SITE OR NEAR THE SITE?

- ☐ Yes
- ☒ No

DID YOU NOTICE ANY FUMES OR BAD SMELLS FROM THE SITE BEING GENERATED VIA THE USE OF CHEMICALS?

- ☐ Yes
- ☒ No



## Section 6: Source of Sand

IS SAND SOURCED FOR CONSTRUCTION IN COMPLIANCE WITH NATIONAL LAWS AND REGULATION?

*(Sand should not be sourced from the beach or lagoon of an inhabited island, tourist resort, or any protected island. This includes the area of the island designated for sand mining of local public use)*

- ☒ Yes
- ☐ No

PROVIDE PHOTOGRAPHIC EVIDENCE

*Attach a photograph of sand bags*

IMG20240806112330-11\_24\_6.jpg



## Section 7: Waste Management

IS CONSTRUCTION AND DEMOLITION WASTE (C&D) AND/OR GREEN WASTE GENERATED FROM THE PROJECT?

*If unsure, ask the Site Supervisor for verification*

- ☐ Yes
- ☒ No

IS THERE EVIDENCE OF LITTERING IN AND AROUND THE SITE?

*Walk around the site and do a visual inspection*

- ☐ Yes
- ☒ No



A BIN IS PRESENT FOR DISPOSING GENERAL WASTE GENERATED BY WORKERS?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC EVIDENCE

IMG20240806112438-11\_44\_34.jpg



## Section 8: Impacts on Natural Environment

DOES THE SITE CONTAIN ANY SIGNIFICANT VEGETATION?

*Only large trees and coconut palms are referred here*

- ☐ Yes
- ☒ No

## Section 9: General Health and Safety

IS THE SITE DEMARCATED AS A CONSTRUCTION SITE?

- ☒ Yes
- ☐ No

WHICH METHOD IS USED TO DEMARCATATE THE SITE?

- ☐ Taping
- ☒ Fencing
- ☐ Hoarding

ATTACH A PHOTOGRAPH OF SITE DEMARCATION

IMG20240806111643-11\_25\_55.jpg



IS NO ENTRY SIGN BOARD PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF NO ENTRY SIGN BOARD

IMG20240806111718-11\_26\_7.jpg



IS SAFETY SIGN BOARD WITH PPE REQUIREMENT PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF PPE SIGN BOARD

IMG20240806111714-11\_26\_19.jpg



## 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.)
- ☐ 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-
- ☐ Unsatisfactory (Less than 20% 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
- ☐ Ear Mufflers ( Workers operating machinery or drilling)
- ☐ Goggles (workers, drilling, welding or using sharp machinery)
- ☐ Gloves- Thick latex
- ☐ Masks
- ☐ Safety Harnesses
- ☒ Luminous Jackets
- ☐ Others

ATTACH A PHOTOGRAPH OF WORKERS WITH BOOTS/COVERED SHOES

IMG20240806111811-11\_26\_39.jpg





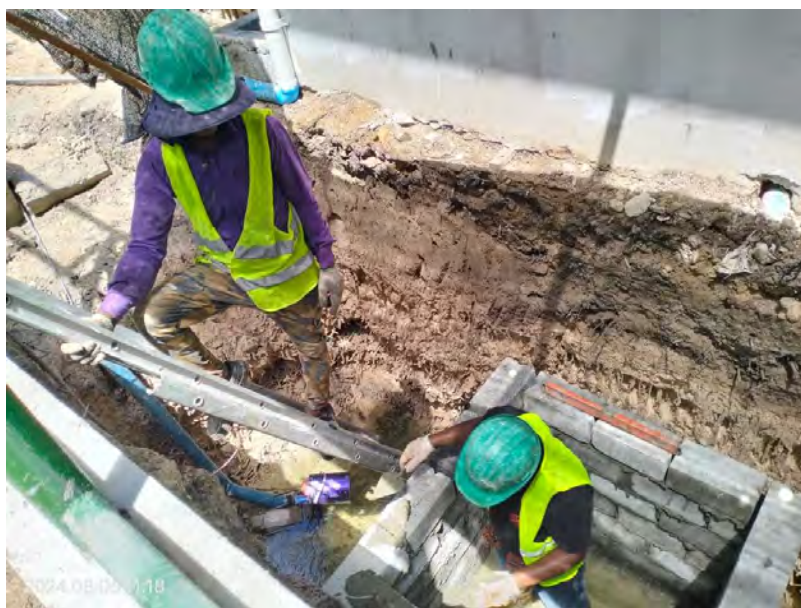
ATTACH A PHOTOGRAPH OF WORKERS WITH HARD HATS

IMG20240806111802-11\_26\_47.jpg



ATTACH A PHOTOGRAPH OF WORKERS USING LUMINOUS JACKETS

IMG20240806111802-11\_27\_19.jpg



## Section 11: Management of COVID19

IS THE COUNTRY UNDER A NATIONAL PUBLIC HEALTH EMERGENCY?

☐ Yes

☒ No

## Section 12: Working Conditions and Labor

HOW IS FOOD ARRANGEMENTS BEING MADE FOR THE CONTRACTOR'S WORKERS?

*Ask the Site Supervisor and / or workers at the site*

- ☐ Monthly allowance
- ☒ Contractor

HOW MANY MEALS / BREAKS ARE PROVIDED PER DAY

*Ask the Site Supervisor and / or workers at the site*

3

WHAT ARE THE STANDARD PER DAY WORKING HOURS?

8

SPECIFY WORK START TIME

08:00 am

SPECIFY WORK END TIME

06:00 pm

HOW IS ACCOMMODATION BEING ARRANGED?

*Ask the site supervisor and / or workers at the site*

- ☒ Rented house
- ☐ Temporary accommodation block
- ☐ Single Room

WAS STAFF ACCOMMODATION CHECKED DURING MONITORING?

- ☐ Yes
- ☒ No

AT THE WORK SITE DO THE LABOR HAVE A RESTING AREA WITH ADEQUATE DRINKING WATER SUPPLIES?

*Ask the Site Supervisor for verification*

- ☒ Yes
- ☐ No

Section 13: Fire Safety

IS A PORTABLE EXTINGUISHER PRESENT AT THE SITE?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC OF EXTINGUISHER

IMG20240806111923-11\_27\_57.jpg



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?

9

ARE ANY FEMALE WORKERS RECRUITED FOR THE PROJECT?

- ☐ Yes
- ☒ No

SPECIFY THE NUMBER OF LOCAL WORKERS

0



SPECIFY THE NUMBER OF EXPATRIATE WORKERS

9

DOES ALL THE EXPATRIATE WORKERS HAVE VALID WORK PERMITS AND WORK VISAS?

☐ Yes

☒ No

SPECIFY NAMES OF THE STAFFS WHO DO NOT HAVE VALID WORK PERMITS AND WORK VISAS

BOOMIRAJAN KARUPPAIAH, CHANDRASEKARAN KUPPUSAMY, SALAUDDIN MIYAN, MD LITON, KAMLESH KUMAR, RITESH TIWARI,

ARE ALL WORKERS ABOVE THE AGE OF 18?

Verify via the work permits / National ID cards and confirm

☒ Yes

☐ No

## Section 15: Grievance Redress Mechanism (GRM)

IS PROJECT BOARD WITH GRM INFORMATION PRESENT AT THE SITE?

☒ Yes

☐ No

ATTACH PHOTOGRAPH OF THE GRM BOARD

IMG20240806111708-11\_28\_17.jpg



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

- ☐ Yes
- ☒ No

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

yyyy-mm-dd

WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?

- ☐ CASE OF GENDER BASED VIOLENCE (GBV) / Sexual harassment (SH) / Sexual Exploitation and Abuse (SEA)
- ☐ CASE OF THEFT
- ☐ CASE OF VIOLENCE
- ☐ CASE OF MISCONDUCT BY PROJECT WORKERS
- ☐ CASE OF MAJOR ENVIRONMENTAL IMPACT (SPILL, FIRE Etc)

## Section 16: Status of Stakeholder Consultations

HAVE FURTHER STAKEHOLDER CONSULTATIONS BEEN CARRIED OUT?

- ☐ Yes
- ☐ No

## Section 17: Informants

CONTRACTOR'S INFORMANT NAME AND DESIGNATION \*

Praveen Kumar- Site Engineer

COUNCIL'S INFORMANT NAME AND DESIGNATION \*

No representative from Council

NAME AND DESIGNATION OF THE PERSON WHO FILLED THE FORM

Michael Rubia- Environmental & Social Safeguard Officer

I CERTIFY THAT ALL THE DATA CAPTURES IS ACCURATE TO THE BEST OF MY KNOWLEDGE \*

- ☒ OK

SIGNATURE

A large, stylized handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

THIS NOTE CAN BE READ OUT LOUD

*Thankyou for completing the form. Please submit when completed*

## Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of Island Waste Recovery Management Centre (IWRMC) in the Island of Th. Vandhoo is acquired at the time of inspection, availability of informants on-site and is factual to the best of my knowledge.

Name: Michael C. Rubia

Designation: Environmental & Social Safeguard Officer

Signature:



Company: Riyan Private Limited

Date Submitted: 5<sup>th</sup> September 2024

Date of revision:

Title of Report: Interim ESMP Monitoring Report - August 2024

# ESMP Monitoring Construction Phase

## Section 1: General Information

PROJECT ZONE

\*

- ☐ Zone 2
- ☐ Zone 4
- ☒ Zone 5

ATOLL

- ☐ Thaa
- ☐ Laamu

ISLAND NAME

Vandhoo

## Section 2: Sub Project Details

TYPE OF SUB PROJECT?

\*

*Indicate information pertaining to the proposed technology*

- ☐ IWRMC Manual Composting
- ☒ IWRMC Composting Machine
- ☐ IWRMC Anaerobic Digestion
- ☐ Other

SUB-PROJECT DETAILS

- ☐ Construction of a new center
- ☒ Upgrading of an existing center

## SUB PROJECT LOCATION?

*Include Atoll and select project site via map*

2.289363 72.943456 -86.4000015258789 10.486000061035156

latitude (x.y °)

2.289363

longitude (x.y °)

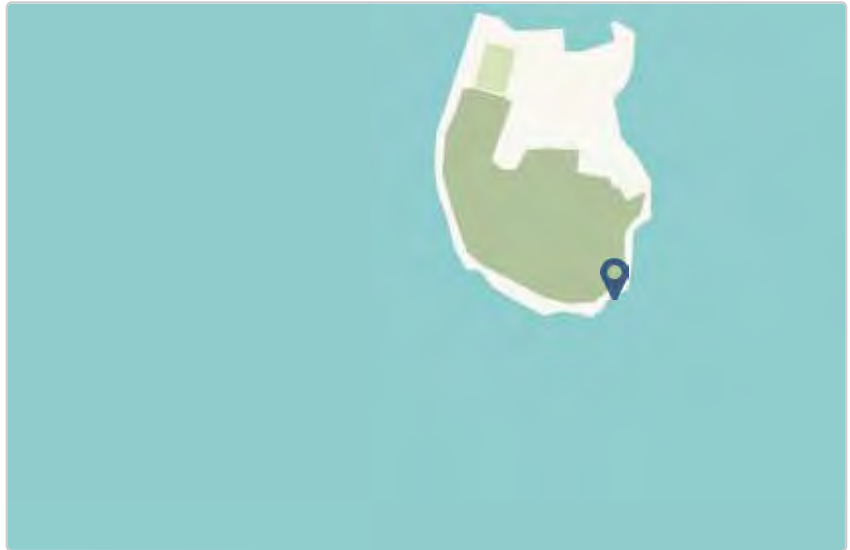
72.943456

altitude (m)

-86.4000015258789

accuracy (m)

10.486000061035156



## PHYSICAL PROGRESS

*Provide Percentage*

89.83% (month of August 2024)

**Section 3: Storage of Hazardous Chemicals during Construction**

ARE FUEL USED FOR PROJECT PURPOSES STORED IN SEALED CONTAINERS?

*This would mostly include oil and diesel for the cement mixing machine*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Observed

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
- ☐ No
- ☐ Not Applicable / Observed



IF YES, ATTACH PHOTOGRAPHIC PROOF

IMG20240826112231-11\_26\_52.jpg



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

- ☐ Yes
- ☒ No

## 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)
- ☐ Noise Barrier Installed
- ☐ Workers involved in either drilling, welding or noisy machinery operation were wearing ear muffs
- ☐ Other measures used by contractor

WAS WAS THE NOISE LEVEL OBSERVED ON THE SITE DURING THE MONITORING VISIT?

- ☐ Very Loud ( heavy machinery in operation, continuous drilling and construction noise, not bearable, loud labor gangs)
- ☐ Moderate ( normal construction site operation, bearable but moderately noisy)
- ☒ 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
- ☒ No

HOW WAS MATERIALS TRANSFERRED TO THE SITE?

- ☒ Covered
- ☐ Not Covered
- ☐ Not Observed

ARE MACHINERIES USED WELL TUNED / SERVICED?

*Machines are operating without emissions of smoke or fumes*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Not used

DID YOU OBSERVE HIGH LEVELS OF DUST GENERATED IN THE WORK SITE?

- ☐ Yes
- ☒ No

ATTACH PHOTO OF THE SITE TO INDICATE GROUND CONDITION

IMG20240826112051-11\_27\_25.jpg



ARE STOCKPILED CONSTRUCTION MATERIALS COVERED?

- ☒ Yes
- ☐ No

ATTACH PHOTO OF HOW MATERIALS ARE STOCKPILED

IMG20240826112511-11\_27\_34.jpg



IS THE CONTRACTOR OPEN BURNING ANY WASTE ON THE SITE OR NEAR THE SITE?

- ☐ Yes
- ☒ No

DID YOU NOTICE ANY FUMES OR BAD SMELLS FROM THE SITE BEING GENERATED VIA THE USE OF CHEMICALS?

- ☐ Yes
- ☒ No

## Section 6: Source of Sand

IS SAND SOURCED FOR CONSTRUCTION IN COMPLIANCE WITH NATIONAL LAWS AND REGULATION?

*(Sand should not be sourced from the beach or lagoon of an inhabited island, tourist resort, or any protected island. This includes the area of the island designated for sand mining of local public use)*

- ☒ Yes  
☐ No

PROVIDE PHOTOGRAPHIC EVIDENCE

*Attach a photograph of sand bags*

IMG20240826112526-11\_27\_47.jpg



## Section 7: Waste Management

IS CONSTRUCTION AND DEMOLITION WASTE (C&D) AND/OR GREEN WASTE GENERATED FROM THE PROJECT?

*If unsure, ask the Site Supervisor for verification*

- ☐ Yes  
☒ No

IS THERE EVIDENCE OF LITTERING IN AND AROUND THE SITE?

*Walk around the site and do a visual inspection*

- ☐ Yes  
☒ No



A BIN IS PRESENT FOR DISPOSING GENERAL WASTE GENERATED BY WORKERS?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC EVIDENCE

IMG20240826112032-11\_28\_27.jpg



## Section 8: Impacts on Natural Environment

DOES THE SITE CONTAIN ANY SIGNIFICANT VEGETATION?

*Only large trees and coconut palms are referred here*

- ☐ Yes
- ☒ No

## Section 9: General Health and Safety

IS THE SITE DEMARCATED AS A CONSTRUCTION SITE?

- ☒ Yes
- ☐ No

WHICH METHOD IS USED TO DEMARCATATE THE SITE?

- ☐ Taping
- ☒ Fencing
- ☐ Hoarding

ATTACH A PHOTOGRAPH OF SITE DEMARCATION

IMG20240826111950-11\_28\_47.jpg



IS NO ENTRY SIGN BOARD PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF NO ENTRY SIGN BOARD

IMG20240826112004-11\_29\_0.jpg





IS SAFETY SIGN BOARD WITH PPE REQUIREMENT PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF PPE SIGN BOARD

IMG20240826112013-11\_29\_14.jpg



## 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.)
- ☐ 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-
- ☐ Unsatisfactory (Less than 20% 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
- ☐ Ear Mufflers ( Workers operating machinery or drilling)
- ☐ Goggles (workers, drilling, welding or using sharp machinery)
- ☐ Gloves- Thick latex
- ☐ Masks
- ☐ Safety Harnesses
- ☒ Luminous Jackets
- ☐ Others

ATTACH A PHOTOGRAPH OF WORKERS WITH BOOTS/COVERED SHOES

IMG20240826112126-11\_29\_29.jpg



ATTACH A PHOTOGRAPH OF WORKERS WITH HARD HATS

IMG20240826112144-11\_29\_36.jpg



ATTACH A PHOTOGRAPH OF WORKERS USING LUMINOUS JACKETS

IMG20240826112110-11\_29\_46.jpg



## Section 11: Management of COVID19

IS THE COUNTRY UNDER A NATIONAL PUBLIC HEALTH EMERGENCY?

- ☐ Yes
- ☒ No

## Section 12: Working Conditions and Labor

HOW IS FOOD ARRANGEMENTS BEING MADE FOR THE CONTRACTOR'S WORKERS?

*Ask the Site Supervisor and / or workers at the site*

- ☐ Monthly allowance
- ☒ Contractor

HOW MANY MEALS / BREAKS ARE PROVIDED PER DAY

*Ask the Site Supervisor and / or workers at the site*

3

WHAT ARE THE STANDARD PER DAY WORKING HOURS?

8

SPECIFY WORK START TIME

08:00 am

## SPECIFY WORK END TIME

06:00 pm

## HOW IS ACCOMMODATION BEING ARRANGED?

*Ask the site supervisor and / or workers at the site*

- ☒ Rented house
- ☐ Temporary accommodation block
- ☐ Single Room

## WAS STAFF ACCOMMODATION CHECKED DURING MONITORING?

- ☐ Yes
- ☒ No

## AT THE WORK SITE DO THE LABOR HAVE A RESTING AREA WITH ADEQUATE DRINKING WATER SUPPLIES?

*Ask the Site Supervisor for verification*

- ☒ Yes
- ☐ No



Section 13: Fire Safety

IS A PORTABLE EXTINGUISHER PRESENT AT THE SITE?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPHIC OF EXTINGUISHER

IMG20240826112214-11\_30\_29.jpg



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?

7

ARE ANY FEMALE WORKERS RECRUITED FOR THE PROJECT?

- ☐ Yes
- ☒ No

SPECIFY THE NUMBER OF LOCAL WORKERS

0



SPECIFY THE NUMBER OF EXPATRIATE WORKERS

7

DOES ALL THE EXPATRIATE WORKERS HAVE VALID WORK PERMITS AND WORK VISAS?

☐ Yes

☒ No

SPECIFY NAMES OF THE STAFFS WHO DO NOT HAVE VALID WORK PERMITS AND WORK VISAS

1.) Boomirajan Karuppaiah; 2.) Kamlesh Kumar; 3.) Ritesh Tiwari; 4.) Manoj Yadav; 5.) Manoj Rajbhar

ARE ALL WORKERS ABOVE THE AGE OF 18?

Verify via the work permits / National ID cards and confirm

☒ Yes

☐ No

## Section 15: Grievance Redress Mechanism (GRM)

IS PROJECT BOARD WITH GRM INFORMATION PRESENT AT THE SITE?

☒ Yes

☐ No

ATTACH PHOTOGRAPH OF THE GRM BOARD

IMG20240826112006-11\_30\_53.jpg



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

- ☐ Yes
- ☐ No

WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?

- ☐ CASE OF GENDER BASED VIOLENCE (GBV) / Sexual harassment (SH) / Sexual Exploitation and Abuse (SEA)
- ☐ CASE OF THEFT
- ☐ CASE OF VIOLENCE
- ☐ CASE OF MISCONDUCT BY PROJECT WORKERS
- ☐ CASE OF MAJOR ENVIRONMENTAL IMPACT (SPILL, FIRE Etc)

## Section 16: Status of Stakeholder Consultations

HAVE FURTHER STAKEHOLDER CONSULTATIONS BEEN CARRIED OUT?

- ☐ Yes
- ☐ No

## Section 17: Informants

CONTRACTOR'S INFORMANT NAME AND DESIGNATION \*

Praveen Kumar- Site Supervisor

COUNCIL'S INFORMANT NAME AND DESIGNATION \*

No representative from Council

NAME AND DESIGNATION OF THE PERSON WHO FILLED THE FORM

Michael Rubia-ESSO

I CERTIFY THAT ALL THE DATA CAPTURES IS ACCURATE TO THE BEST OF MY KNOWLEDGE \*

- ☒ OK

SIGNATURE

signature.png

A large, stylized handwritten signature in black ink, appearing to be 'J. P. Smith', is written across the signature box.

THIS NOTE CAN BE READ OUT LOUD.....

*Thankyou for completing the form. Please submit when completed*

.....

## Consultant Declaration

The information provided in this monthly ESMP monitoring form for the construction phase of Island Waste Recovery Management Centre (IWRMC) in the Island of Th. Vandhoo is acquired at the time of inspection, availability of informants on-site and is factual to the best of my knowledge.

Name: Michael C. Rubia

Designation: Environmental & Social Safeguard Officer

Signature:

A handwritten signature in blue ink, appearing to be 'Michael C. Rubia', written over a circular stamp or seal.

Company: Riyan Private Limited

Date Submitted: 7<sup>th</sup> October 2024

Date of revision:

Title of Report: Interim ESMP Monitoring Report - September 2024

# ESMP Monitoring Construction Phase

## Section 1: General Information

PROJECT ZONE	*
<input type="radio"/> Zone 2	
<input type="radio"/> Zone 4	
<input checked="" type="radio"/> Zone 5	
ATOLL	
<input type="radio"/> Thaa	<input type="radio"/> Laamu
ISLAND NAME	
Vandhoo	

## Section 2: Sub Project Details

TYPE OF SUB PROJECT?	*
<i>Indicate information pertaining to the proposed technology</i>	
<input type="radio"/> IWRMC Manual Composting	
<input checked="" type="radio"/> IWRMC Composting Machine	
<input type="radio"/> IWRMC Anaerobic Digestion	
<input type="radio"/> Other	
SUB-PROJECT DETAILS	
<input type="radio"/> Construction of a new center	
<input checked="" type="radio"/> Upgrading of an existing center	

## SUB PROJECT LOCATION?

*Include Atoll and select project site via map*

latitude (x.y °)

2.289385

longitude (x.y °)

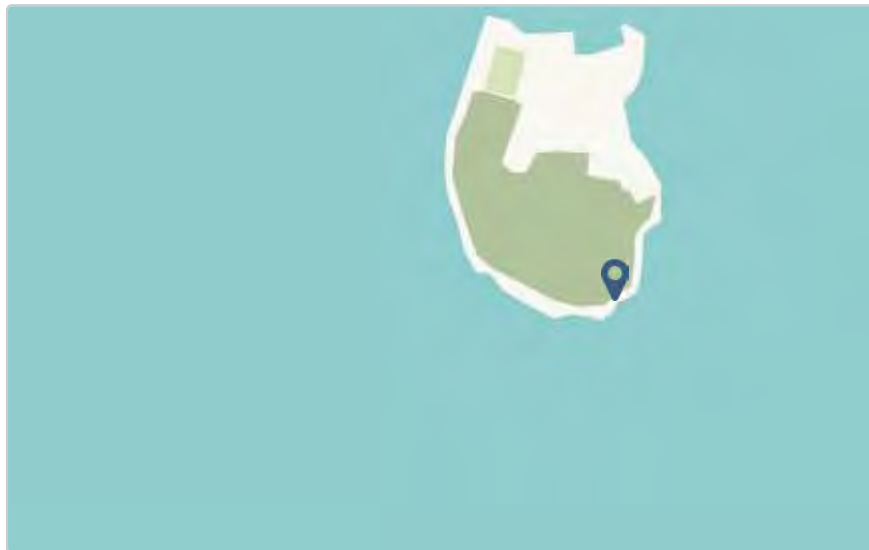
72.943234

altitude (m)

-66.35650634765625

accuracy (m)

6.767000198364258



## PHYSICAL PROGRESS

*Provide Percentage*

94.54% (for month of September 2024)

### Section 3: Storage of Hazardous Chemicals during Construction

ARE FUEL USED FOR PROJECT PURPOSES STORED IN SEALED CONTAINERS?

*This would mostly include oil and diesel for the cement mixing machine*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Observed

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
- ☐ No
- ☐ Not Applicable / Observed



IF YES, ATTACH PHOTOGRAPHIC PROOF

IMG20240924123105-12\_42\_16.jpg



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

- ☐ Yes
- ☒ No

## 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)
- ☐ Noise Barrier Installed
- ☐ Workers involved in either drilling, welding or noisy machinery operation were wearing ear muffs
- ☐ Other measures used by contractor

WAS WAS THE NOISE LEVEL OBSERVED ON THE SITE DURING THE MONITORING VISIT?

- ☐ Very Loud ( heavy machinery in operation, continuous drilling and construction noise, not bearable, loud labor gangs)
- ☐ Moderate ( normal construction site operation, bearable but moderately noisy)
- ☒ 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
- ☒ No

HOW WAS MATERIALS TRANSFERRED TO THE SITE?

- ☐ Covered
- ☐ Not Covered
- ☒ Not Observed

ARE MACHINERIES USED WELL TUNED / SERVICED?

*Machines are operating without emissions of smoke or fumes*

- ☐ Yes
- ☐ No
- ☒ Not Applicable / Not used

DID YOU OBSERVE HIGH LEVELS OF DUST GENERATED IN THE WORK SITE?

- ☐ Yes
- ☒ No

ATTACH PHOTO OF THE SITE TO INDICATE GROUND CONDITION

IMG20240924123738-12\_44\_34.jpg



ARE STOCKPILED CONSTRUCTION MATERIALS COVERED?

- ☒ Yes
- ☐ No

ATTACH PHOTO OF HOW MATERIALS ARE STOCKPILED

IMG20240924122432-12\_44\_52.jpg



IS THE CONTRACTOR OPEN BURNING ANY WASTE ON THE SITE OR NEAR THE SITE?

- ☐ Yes
- ☒ No

DID YOU NOTICE ANY FUMES OR BAD SMELLS FROM THE SITE BEING GENERATED VIA THE USE OF CHEMICALS?

- ☐ Yes
- ☒ No

## Section 6: Source of Sand

IS SAND SOURCED FOR CONSTRUCTION IN COMPLIANCE WITH NATIONAL LAWS AND REGULATION?

*(Sand should not be sourced from the beach or lagoon of an inhabited island, tourist resort, or any protected island. This includes the area of the island designated for sand mining of local public use)*

- ☒ Yes  
☐ No

PROVIDE PHOTOGRAPHIC EVIDENCE

*Attach a photograph of sand bags*

Th. Vandhoo\_32-16\_17\_16.jpg



## Section 7: Waste Management

IS CONSTRUCTION AND DEMOLITION WASTE (C&D) AND/OR GREEN WASTE GENERATED FROM THE PROJECT?

*If unsure, ask the Site Supervisor for verification*

- ☐ Yes  
☒ No

IS THERE EVIDENCE OF LITTERING IN AND AROUND THE SITE?

*Walk around the site and do a visual inspection*

- ☒ Yes  
☐ No



ATTACH PHOTOGRAPHIC EVIDENCE

IMG20240924123703-12\_45\_19.jpg



A BIN IS PRESENT FOR DISPOSING GENERAL WASTE GENERATED BY WORKERS?

☒ Yes☐ No

ATTACH PHOTOGRAPHIC EVIDENCE

IMG20240924122457-12\_45\_34.jpg



## Section 8: Impacts on Natural Environment

DOES THE SITE CONTAIN ANY SIGNIFICANT VEGETATION?

*Only large trees and coconut palms are referred here*

- ☐ Yes
- ☒ No

## Section 9: General Health and Safety

IS THE SITE DEMARCATED AS A CONSTRUCTION SITE?

- ☒ Yes
- ☐ No

WHICH METHOD IS USED TO DEMARCATATE THE SITE?

- ☐ Taping
- ☒ Fencing
- ☐ Hoarding

ATTACH A PHOTOGRAPH OF SITE DEMARCATION

IMG20240924124632-12\_47\_26.jpg



IS NO ENTRY SIGN BOARD PRESENT?

- ☒ Yes
- ☐ No



ATTACH A PHOTOGRAPH OF NO ENTRY SIGN BOARD

IMG20240924122403-12\_47\_54.jpg



IS SAFETY SIGN BOARD WITH PPE REQUIREMENT PRESENT?

☒ Yes

☐ No

ATTACH A PHOTOGRAPH OF PPE SIGN BOARD

IMG20240924122403-12\_48\_11.jpg



## 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.)
- ☐ 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-
- ☐ Unsatisfactory (Less than 20% 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
- ☐ Ear Mufflers ( Workers operating machinery or drilling)
- ☐ Goggles (workers, drilling, welding or using sharp machinery)
- ☒ Gloves- Thick latex
- ☐ Masks
- ☐ Safety Harnesses
- ☒ Luminous Jackets
- ☐ Others

ATTACH A PHOTOGRAPH OF WORKERS WITH BOOTS/COVERED SHOES

IMG20240924123203-12\_48\_34.jpg



ATTACH A PHOTOGRAPH OF WORKERS WITH HARD HATS

IMG20240924123203-12\_48\_45.jpg



ATTACH A PHOTOGRAPH OF WORKERS USING GLOVES

IMG20240924123205-12\_48\_56.jpg





ATTACH A PHOTOGRAPH OF WORKERS USING LUMINOUS JACKETS

IMG20240924123203-12\_49\_13.jpg



## Section 11: Management of COVID19

IS THE COUNTRY UNDER A NATIONAL PUBLIC HEALTH EMERGENCY?

- ☐ Yes
- ☒ No

## Section 12: Working Conditions and Labor

HOW IS FOOD ARRANGEMENTS BEING MADE FOR THE CONTRACTOR'S WORKERS?

*Ask the Site Supervisor and / or workers at the site*

- ☐ Monthly allowance
- ☒ Contractor

HOW MANY MEALS / BREAKS ARE PROVIDED PER DAY

*Ask the Site Supervisor and / or workers at the site*

3

WHAT ARE THE STANDARD PER DAY WORKING HOURS?

8

SPECIFY WORK START TIME

08:00 am

## SPECIFY WORK END TIME

06:00 pm

## HOW IS ACCOMMODATION BEING ARRANGED?

*Ask the site supervisor and / or workers at the site*

- ☒ Rented house
- ☐ Temporary accommodation block
- ☐ Single Room

## WAS STAFF ACCOMMODATION CHECKED DURING MONITORING?

- ☐ Yes
- ☒ No

## AT THE WORK SITE DO THE LABOR HAVE A RESTING AREA WITH ADEQUATE DRINKING WATER SUPPLIES?

*Ask the Site Supervisor for verification*

- ☒ Yes
- ☐ No

## Section 13: Fire Safety

## IS A PORTABLE EXTINGUISHER PRESENT AT THE SITE?

- ☒ Yes
- ☐ No

## ATTACH PHOTOGRAPHIC OF EXTINGUISHER

IMG20240924123055-12\_50\_13.jpg



## 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?

4

ARE ANY FEMALE WORKERS RECRUITED FOR THE PROJECT?



Yes



No

SPECIFY THE NUMBER OF LOCAL WORKERS

0

SPECIFY THE NUMBER OF EXPATRIATE WORKERS

4

DOES ALL THE EXPATRIATE WORKERS HAVE VALID WORK PERMITS AND WORK VISAS?



Yes



No

SPECIFY NAMES OF THE STAFFS WHO DO NOT HAVE VALID WORK PERMITS AND WORK VISAS

MD LITON, SALAUDDIN MIYAN, SANTOSH KUMAR HARIJAN

ARE ALL WORKERS ABOVE THE AGE OF 18?

*Verify via the work permits / National ID cards and confirm*

Yes



No



## Section 15: Grievance Redress Mechanism (GRM)

IS PROJECT BOARD WITH GRM INFORMATION PRESENT AT THE SITE?

- ☒ Yes
- ☐ No

ATTACH PHOTOGRAPH OF THE GRM BOARD

Th. Omadhoo\_05-19\_30\_18.jpg



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

- ☐ Yes
- ☐ No

WAS ANY GRIEVANCE RELATED TO THE FOLLOWING ISSUES RECEIVED?

- ☐ CASE OF GENDER BASED VIOLENCE (GBV) / Sexual harassment (SH) / Sexual Exploitation and Abuse (SEA)
- ☐ CASE OF THEFT
- ☐ CASE OF VIOLENCE
- ☐ CASE OF MISCONDUCT BY PROJECT WORKERS
- ☐ CASE OF MAJOR ENVIRONMENTAL IMPACT (SPILL, FIRE Etc)

## Section 16: Status of Stakeholder Consultations

HAVE FURTHER STAKEHOLDER CONSULTATIONS BEEN CARRIED OUT?

- ☐ Yes
- ☐ No

## Section 17: Informants

CONTRACTOR'S INFORMANT NAME AND DESIGNATION \*

Praveen Kumar-Site Engineer

COUNCIL'S INFORMANT NAME AND DESIGNATION \*

Hussain Afeef- Council Vice President

NAME AND DESIGNATION OF THE PERSON WHO FILLED THE FORM

Michael Rubia-ESSO

I CERTIFY THAT ALL THE DATA CAPTURES IS ACCURATE TO THE BEST OF MY KNOWLEDGE \*

☒ OK

SIGNATURE



THIS NOTE CAN BE READ OUT LOUD

*Thankyou for completing the form. Please submit when completed*

## **Appendix 5 Groundwater Quality Analysis Report**

WATER QUALITY TEST REPORT  
Report No: 500201545

Customer Information:  
Riyan PVT Ptd  
H.Azum  
Ameeneemagu  
Male' MALE'

Report date: 25/07/2024  
Test Requisition Form No: 900201079  
Sample(s) Recieved Date: 22/07/2024  
Date of Analysis: 22/07/2024 - 22/07/2024

Sample Description ~	IWRMC Project/Th. Vandhoo (IWRMC site)	IWRMC Project/Th. Vandhoo (control site)	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water		
Sample No	83251242	83251244		
Sampled Date ~	18/07/2024 11:45 AM	18/07/2024 12:00 PM		
Physical Appearance	Pale yellow and cloudy with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT		HACH Method 8171	mg/L
Nitrate *	2.8	1.5		

Keys: mg/L : Milligram Per Liter

Checked by



Nashath Ali  
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

\*\*\*\*\* END OF REPORT \*\*\*\*\*


WATER QUALITY TEST REPORT  
Report No: 500202329

Customer Information:  
Riyan PVT Ptd  
H.Azum  
Ameeneemagu  
Male' MALE'

Report date: 07/10/2024  
Test Requisition Form No: 900201585  
Sample(s) Recieved Date: 29/09/2024  
Date of Analysis: 30/09/2024 - 30/09/2024

Sample Description ~	IWRMC Project/ Th.Guraidhoo (IWRMC Site)	IWRMC Project/ Th.Guraidhoo (Control Site)	IWRMC Project/ Th.Vandhoo (IWRMC Site)	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83252802	83252803	83252804		
Sampled Date ~	25/09/2024 05:58 PM	25/09/2024 06:35 PM	26/09/2024 01:14 PM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT				
Nitrate *	8.8	17.6	3.2	HACH Method 8171	mg/L

Keys: mg/L : Milligram Per Liter

Checked by  
  
Aminath Shahidha  
Laboratory Executive

Approved by  
  
Nihaz A. Zahir  
Assistant Quality Manager

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

LB-TEST-090

WATER QUALITY TEST REPORT  
Report No: 500202329

Customer Information:

Riyan PVT Ptd  
H.Azum  
Ameeneemagu  
Male' MALE'

Report date: 07/10/2024  
Test Requisition Form No: 900201585  
Sample(s) Recieved Date: 29/09/2024  
Date of Analysis: 30/09/2024 - 30/09/2024

Sample Description ~	IWRMC Project/ Th.Vandhoo (Control Site)	TEST METHOD	UNIT
Sample Type ~	Ground Water		
Sample No	83252805		
Sampled Date ~	26/09/2024 01:30 PM		
Physical Appearance	Clear with particles		
PARAMETER	ANALYSIS RESULT		
Nitrate *	2.0	HACH Method 8171	mg/L

Keys: mg/L : Milligram Per Liter

Checked by



Aminath Shahidha  
Laboratory Executive

Approved by



Nihaz A. Zahir  
Assistant Quality Manager

Notes:  
Sampling Authority: Sampling was not done by MWSC Laboratory.  
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\*Parameters accredited by EIAC under ISO/IEC 17025:2017

\*\*\*\*\* END OF REPORT \*\*\*\*\*



## Appendix 6 Registered Grievance during Construction Phase

#	Level / Tier	Date	Received by (Name & Designation)	Aggrieved Party (Name & Address / PP or ID card number)	Contact Details of Aggrieved Party (Phone / Email)	Type of Complaint	Details of Complaint	Status	Status Details
1	Ministry	22/12/2023	Ibrahim Azhan Mohamed (Environmental Officer)	Shiyaz Ibrahim (President) / Fathmath Shiyaza (focal point - officer)		Unofficial	Complaints of the contractor re-using broken bricks for the construction. Further complaints that the wall structure may not be strong.	Resolved	Issues clarified and correctly informed to the party that raised concerns/complaints