

SBF Project Implementation Monitoring Report

Maldives: Greater Malé Waste-to-Energy Project

1. Project Information

Project ID:	000278	Investment Number:	L000278A
Member:	Maldives	Region:	Southern asia
Sector:	Environmental Management	Sub-sector:	Solid Waste
AIB Financing Type:	Loan: 40 USD million	Co-financier(s):	ADB
E&S category:	A	Borrower:	Republic of the Maldives
Red Flags Assigned:	0	Monitoring Regime:	Regular Monitoring
Implementing Agency:	Ministry of Environment and Energy		
Project Team Leader:	Toshiaki Keicho		
Project Team Members:	Irish Fe Aguilar, Social Development Specialist Zhixi Zhu, Environmental Specialist Jurminla Jurminla, Procurement Specialist Shonell Robinson, Financial Management Specialist Haiyan Wang, Sr. Finance Officer Jana Halida Uno, Sr. Operational Policy Specialist Jinghui Li, Administrative Assistant		
Completed Site Visits by AIB:	Mar, 2021 Virtual Inception Mission was held instead of site visit due to the Covid-19 pandemic. Discussions were held with the officials of Ministry of Finance, Ministry of Environment, Waste Management company (WAMCO) etc.		
Planned Site Visits by AIB:	Dec, 2021 A virtual mission will be planned in Q4 FY2021.		

2. Project Summary and Objectives

The main objective of the project is to establish a regional solid waste treatment system in the Greater Malé capital region. The project is designed to reduce disaster risk and improve climate change resilience while creating a cleaner environment and reducing greenhouse gas emissions. The project has two components: Component 1 - Establishment of climate resilient regional waste management facility, including construction of a 500-ton per day (tpd) Waste-to-Energy (WTE) plant with flue gas treatment, emissions monitoring, bottom ash processing plant, and ash disposal landfill with leachate treatment ponds and Component 2 - Institutional capacity building in sustainable waste management, environmental monitoring and public awareness. AIB is financing only Component 1.

The project will be implemented during the period October 2020 to September 30, 2026.

The Project cost is USD151.13 million which would be financed through AIB loan of USD40.00 million, ADB loan of USD38.21 million, ADB grant of USD35.18 million, Japan Fund for the Joint Crediting Mechanism (JFJCM) grant of USD10.00 million and counterpart funds (Government of Maldives) of USD27.74 million.

3. Key Dates

Approval:	Sep. 10, 2020	Signing:	Sep. 29, 2020
Effective:	Dec. 11, 2020	Restructured (if any):	
Orig. Closing:	Mar. 31, 2027	Rev. Closing (if any):	

4. Disbursement Summary (million)

Currency:	USD		
a) Committed:	40	b) Cancellation (if any):	
c) Disbursed:	0	d) Most recent disbursement: (amount / date)	0,
e) Undisbursed:	40	f) Disbursement Ratio(%) ¹ :	0

¹ Disbursement Ratio is defined as the volume (i.e. the dollar amount) of total disbursed amount as a percentage of the net committed volume, i.e., $f = c / (a - b)$

5. Project Implementation Update

Bids for the main Design Build Operate (DBO) contract was received and technical evaluation has been completed. Financial evaluation of the bid is underway and the contract is expected to be awarded in Q3 2021.

Components	Physical Progress	Environmental & Social Compliance	Procurement
Component 1: Establishment of disaster and climate resilient regional waste management facility	Main Design Build Operate (DBO) contract is expected to be awarded in Q3 2021, physical progress shall begin soon after.	Safeguard consultants are expected to be mobilized before execution of WTE DBO contract.	Main DBO contract is expected to be awarded in Q3 2021.
Component 2: Institutional capacity building in sustainable waste management, environmental monitoring and public awareness	PMU has been established.	N/A	Additional resources shall be mobilized; 1 service contract is under evaluation while 3 other service packages are under preparation/review stage and the procurement is expected in the period Q3 FY2021 to Q1 FY2022. AIIB is financing only Component 1.

Financial Management:

The first unaudited interim financial report will become due within 45 days of the of the quarter in which the first disbursements occurs. Likewise, the first audit report will become due within 6 months of the financial year in which first disbursements occurs.

6. Status of the Grievance Redress Mechanism (GRM)

The Project GRM has three tiers – an individual or an interest group can contact DBO Contractor (1st tier), PMU/MOE (2nd tier), Judiciary (3rd tier). The affected persons can also direct contact (in writing) the ADB Project Officer at ADB headquarters. The complaint can be submitted in any of the official languages of ADB's Developing Member Countries. As the Project became effective recently on December 11, 2020, only PMU has been set up and able to receive grievances.

No complaints have been received.

7. Results Monitoring

N/A

Baseline Year: Dec. 31, 2020 End Target Year: Mar. 31, 2027

Project Objective Indicators #1

Solid waste treated with residuals safely disposed or recycled (%)

Year	Target	Actual	Others, if any
Mar. 31, 2027	80	0	

Project Objective Indicators #2

Reduction in estimated annual GHG emissions (tons)

Year	Target	Actual	Others, if any
Mar. 31, 2027	20,000	0	

Project Objective Indicators #3

Installed capacity of WTE plant (50% is renewable energy).

Year	Target	Actual	Others, if any
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Mar. 31, 2027	8 (4)	0	
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Intermediate Result Indicators #1

Electricity generated from WTE (50% is renewable energy)

Year	Target	Actual	Others, if any
Mar. 31, 2027	32,000 (16,000)	0	

Intermediate Result Indicators #2

500 tpd WTE plant (with extended O&M contract) is constructed and operational.

Year	Target	Actual	Others, if any
Mar. 31, 2027	Operational	Not Operational	

Intermediate Result Indicators #3

Landfill for safe disposal of WTE air pollution control residues and nonmarketable bottom ashes is constructed and operational.

Year	Target	Actual	Others, if any
Mar. 31, 2027	Operational	Not Operational	

Intermediate Result Indicators #4

Adoption of disaster and climate resilience measures in the design and construction phases of WTE

Year	Target	Actual	Others, if any
Mar. 31, 2027	Adopted	Not adopted	

Remarks: