

# OFFICIAL DOCUMENTS

Supplemental Letter 2

REPUBLIC OF MALDIVES

August 16, 2017

International Development Association  
1818 H Street, NW  
Washington, DC 20433  
United States of America

Re: IDA Grant No. D199-MV  
(Maldives Clean Environment Project)  
Performance Indicators

Dear Sir/ Madame:

We refer to paragraph A.1, of Section II of Schedule 2 to the Financing Agreement between the Republic of Maldives and the International Development Association (the Association) concerning Performance Indicators.

We hereby agree that the Performance Indicators to monitor and evaluate the carrying out of the Project and the achievement of the objectives thereof are those set forth in the Annex to this letter.

Please confirm the agreement on behalf of the Association to the application of these Performance Indicators by signing the form of confirmation below.

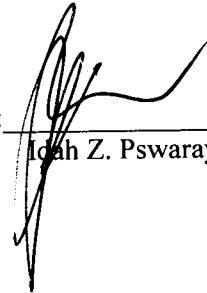
Very truly yours,

REPUBLIC OF MALDIVES



\_\_\_\_\_  
Authorized Representative

CONFIRMED:  
INTERNATIONAL DEVELOPMENT ASSOCIATION

By:   
\_\_\_\_\_  
Idah Z. Pswarayi-Riddihough

## Results Framework and Monitoring

**Results Framework**  
**COUNTRY : Maldives**  
**Maldives Clean Environment Project**

### **Project Development Objectives**

The Project Development Objective is to improve solid waste management in selected zones.

### **Project Development Objective Indicators**

<b>Indicator Name</b>	<b>Core</b>	<b>Unit of Measure</b>	<b>Baseline</b>	<b>End Target</b>	<b>Frequency</b>	<b>Data Source/Methodology</b>	<b>Responsibility for Data Collection</b>
<b>Name: Waste Management Center (RWMC) operational</b>		Number	0.00	1.00	Semi-annually	Review and validation of weigh bridge and IC shipping log data to determine operation of RWMC	PMU, WAMCO and ICs
<p>Description: The RWMC is the final disposal facility to be created by the project to receive inorganic and non-compostable organic waste, collected and processed by a group of islands sharing the RWMC facility. RWMC will be considered operational when it can service at least 10 islands and has a minimum operational capacity of 15m3. This indicator has annual targets.</p>							
<b>Name: Share of total waste in selected zones collected by the IWMCs (disaggregated by inorganic and organic</b>		Percentage	0.00	50.00	Semi-annually	Review and validation of weigh station data from IWMC to determine share of waste collected.	PMU and ICs

Indicator Name	Core	Unit of Measure	Baseline	End Target	Frequency	Data Source/Methodology	Responsibility for Data Collection
waste)							
<p>Description: This indicator is to measure the share of the waste collected at the islands level. This will be measured and reported separately for each participating island. This indicator has annual targets.</p>							
Name: Share of the organic waste in selected zones treated in IWMCs		Percentage	0.00	50.00	Semi-annually	Review and validation of production data from IWMC to determine share of organic waste treated.	PMU and ICs
<p>Description: This indicator measures the share of organic waste to be composted at the IWMCs. It is to be measured and reported separately for each participating island. This indicator has annual targets.</p>							
Name: Share of inorganic waste in selected zones stored and transported to RWMCs		Percentage	0.00	50.00	Semi-annually	Weigh bridge and production data collected and compiled at the IWMCs and RWMC	PMU, WAMCO and ICs
<p>Description: This indicator seeks to measure the share of inorganic waste processed by the IWMCs and transported to the RWMC</p>							
Name: Share of target beneficiaries with rating 'satisfied' or above with application of the solid waste management approach (user fees, environmental benefits, reliability) (disaggregated by		Percentage	0.00	75.00	One prior to the mid-term review of the project, and another six months prior to closing of the project.	Perception survey on sample basis by third party.	PMU, WAMCO and IC through use of independent monitors.

Indicator Name	Core	Unit of Measure	Baseline	End Target	Frequency	Data Source/Methodology	Responsibility for Data Collection
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sex)

Description: This indicator measures beneficiary satisfaction and has annual targets.

### Intermediate Results Indicators

Indicator Name	Core	Unit of Measure	Baseline	End Target	Frequency	Data Source/Methodology	Responsibility for Data Collection
Name: Island Waste Management Centers Established		Number	0.00	15.00	Semi-annually	Review and validation of procurement and site inspection records to determine established IWMCs.	ICs and PMU

Description: IWMCs may contain some or all of the following: collection and transportation equipment and vehicles, organic waste treatment facilities, inorganic waste separation facilities, and bailing equipment. In each island the approved Island Waste Management Plan (IWMP) will specify what the IWMC is to contain. So, an IWMC will be considered "established" when it is consistent with the IWMP. This indicator has cumulative targets.

Indicator Name	Core	Unit of Measure	Baseline	End Target	Frequency	Data Source/Methodology	Responsibility for Data Collection
Name: Coverage of O&M expenditures of RWMC from user fees		Percentage	0.00	50.00	Monthly	Review and validation of project financial records and accounts to determine coverage of O and M expenditures of RWMC from user fees. .	PMU and WAMCO

Indicator Name	Core	Unit of Measure	Baseline	End Target	Frequency	Data Source/Methodology	Responsibility for Data Collection
Description: Users include islands and resorts. This indicator has annual targets.							
Name: Vehicles provided to selected IWMCs to complete the integrated waste management systems		Number	0.00	15.00	Semi-annually	Review and validation of procurement and contract records including signed delivery notices to determine delivery of vehicles at the IWMCs	PMU and ICs
Description: This indicator measures the procurements made by the project in Zone II that could not be made under MEMP but are necessary for the proper implementation of the integrated waste management system in that zone. Thus, the baseline is the number of pieces of equipment and vehicles procured under MEMP and the target is the total number of procured items under MEMP + MCEP (Zone II) delivered to IWMCs. The indicator includes collection, transportation, composting and bailing equipment and vehicles for the participating islands. This indicator has cumulative targets.							
Name: Organic waste treated in IWMCs put to productive use (composting)		Percentage	0.00	50.00	Monthly	Review and validation of compost production records to determine organic waste treated.	PMU and ICs
Description: This indicator will be measured for each of the participating islands. It measures the percentage of compost generated on IWMCs that is sold or given away to an end user. This summary table will report an average figure over all participating islands. This indicator has annual targets.							
Name: Waste disposal capacity at Island Waste Management Centers (IWMCs) created under the project		Metric ton	0.00	150.00	monthly	Review and validation of weigh bridge and production data to determine capacity created at the IWMCs.	ICs and PMU

Indicator Name	Core	Unit of Measure	Baseline	End Target	Frequency	Data Source/Methodology	Responsibility for Data Collection
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Description: This indicator measures the cumulative capacity of waste management centers created on the islands by the project. This indicator has cumulative targets.

Name: Policy on solid waste minimization drafted	Yes/No	Y	N	Y	Once during life of the project	Review of draft policy on solid waste minimization.	PMU and WMD
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Description: This indicator is there to measure progress towards putting in place a waste minimization policy that would yield to really results on the ground with respect to reduction in the use of plastic bottles in particular.

Name: Waste disposal capacity at Regional Waste Management Center (RWMC) created under the project	Metric ton	0.00	150.00	150.00	Semi-annually	Review and validation of weigh bridge and plant room data to determine disposal capacity created at the RWMC.	PMU and WAMCO
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Description: The RWMC is the final disposal facility to be created by the project to receive inorganic and non-compostable organic waste, collected and processed by a group of islands sharing the RWMC facility. This indicator seeks to measure the capacity of the RWMC. It is to be measured separately for each participating islands. Weighing is done at the islands and confirmed at the RWMC. This indicator has cumulative targets.

## Target Values

### Project Development Objective Indicators

Indicator Name	End Target
Waste Management Center (RWMC) operational	1.00
Share of total waste in selected zones collected by the IWMCs (disaggregated by inorganic and organic waste)	50.00
Share of the organic waste in selected zones treated in IWMCs	50.00
Share of inorganic waste in selected zones stored and transported to RWMCs	50.00
Share of target beneficiaries with rating 'satisfied' or above with application of the solid waste management approach (user fees, environmental benefits, reliability) (disaggregated by sex)	75.00

### Intermediate Results Indicators

Indicator Name	Baseline	End Target
Island Waste Management Centers Established	0.00	15.00
Coverage of O&M expenditures of RWMC from user fees	0.00	50.00
Vehicles provided to selected IWMCs to complete the integrated waste management systems	0.00	15.00
Organic waste treated in IWMCs put to productive use (composting)	0.00	50.00
Waste disposal capacity at Island Waste Management Centers (IWMCs) created under the project	0.00	150.00

Indicator Name	Baseline	End Target
Policy on solid waste minimization drafted	N	Y
Waste disposal capacity at Regional Waste Management Center (RWMC) created under the project	0.00	150.00