

COOLING FACILITY

ANNEX 11

MONITORING AND EVALUATION PLAN

August 2021

1. INTRODUCTION

The present document describes the Monitoring and Evaluation (M&E) plan that will be followed to monitor and evaluate the Program supported by GCF, i.e. the Cooling Facility. The present document describes the main steps to be taken by the Executing Entities implementing the projects which will be included in the Program during its implementation to comply with the M&E requirements as per the World Bank policies and procedures and the Facility M&E plan.

The projects which are expected to be included in the Program subject to the completion of their appraisal and other due diligence, and supported by the Facility are located in Bangladesh, El Salvador, Kenya, Malawi, North Macedonia, Panama, Sao Tome and Principe, Somalia, and Sri Lanka.

To determine development effectiveness, the World Bank measures how the use of scarce resources leads to the achievement of specific results.

Result-based M&E is a management tool used to systematically track progress of project implementation, demonstrate results on the ground, and assess whether changes to the project design are needed to take into account evolving circumstances. Designing the project results framework and using it adequately along with other management tools during implementation (for instance, the risk-assessment tool) is critical. Most of the decisions and proactive measures that can be taken to improve the likelihood of the project achieving the expected results will be derived from observations coming from these tools.

Monitoring and evaluation are two complementary but distinct processes. Monitoring consists of tracking inputs, activities, outputs, outcomes, and other aspects of the project on an ongoing basis during the implementation period, as an integral part of the project management function. Evaluation, on the other hand, is a process by which project results, impacts, and implementation performance are assessed. Projects are evaluated at discrete points in time (usually at the project's mid-point and completion) along some key dimensions (i.e., relevance, efficiency, efficacy, impact, performance).

2. MONITORING AND EVALUATION ARRANGEMENTS

The Executing Entity, normally through its implementing agency is responsible for gathering data, reporting and using the information for monitoring purposes during implementation. Taking this into account, the M&E arrangements proposed during project preparation need to reflect the Executing Entity's and its implementing agency's institutional capacity and address any issues related to staffing, processes, accountabilities and responsibilities, equipment, knowledge skills, and budget required to carry out this M&E function.

If necessary, a project could include an explicit component for improving the client's M&E capacity under Component 1 of the Facility. Production of statistical information is essential with the need of countries to produce more complex information increases, but it is equally important to develop the data management capacity and systems to use this data in informing planning and decision-making, management capacity and systems.

3. FACILITY LEVEL MONITORING

Monitoring				
Data/Source	Collection Tool	Frequency	Indicator	Indicative Budget
Ex ante and ex-post analyses conducted by an independent contractor. Procurement documents; energy audits/assessment reports	<i>Government data/records</i>	<i>Yearly</i>	<i>M3.1 Tonnes of carbon dioxide equivalent (t CO₂ eq) reduced or avoided - buildings, cities, industries, and appliances</i>	<i>USD 180,000</i>
Ex ante and ex-post analyses conducted by an independent contractor. Procurement documents; energy audits/assessment reports	<i>Government data/records</i>	<i>Yearly</i>	<i>Cost per tonne of CO₂-equivalent reduced</i>	<i>Not applicable (covered under other reports and analyses)</i>
Consultant report	<i>Government data/records</i>	<i>At completion</i>	<i>Volume of finance leveraged by the GCF</i>	<i>Not applicable (covered under other reports and analyses)</i>
Assessment reports conducted by consultant; surveys	<i>Survey/questionnaire</i>	<i>At completion</i>	<i>Total number of direct and indirect beneficiaries (disaggregated by sex)</i>	<i>Not applicable (covered under other reports and analyses)</i>
Ex-ante and ex-post analyses conducted by an independent contractor; procurement documents	<i>Government data/records</i>	<i>Yearly</i>	<i>A3.1 Number of physical assests made more resilient to climate variability and change, considering human benefits</i>	<i>USD 80,000</i>
Consultant report (energy audits and energy/market assessments) and ex-post and ex-ante	<i>Survey/questionnaire</i>	<i>Yearly</i>	<i>M7.1 Energy intensity/improved efficiency of buildings, cities, industries and appliances as a</i>	<i>USD 225,000</i>

analyses conducted by an independent contractor Annual calculations of energy savings resulting in lower energy intensity of project-supported EEff cooling activities			<i>result of Fund support</i>	
Planning and policy instruments developed in each country; surveys; Consultant reports	<i>Government data/records</i>	<i>Mid term and at completion</i>	<i>M5.1 Institutional and regulatory systems that improve incentives for low-emission planning and development and their effective implementation</i>	<i>USD 30,000</i>
Procurement documents	<i>Government data/records</i>	<i>At completion</i>	<i>Number of technologies and innovative solutions transferred or licensed to support low-emission development as a result of GCF</i>	<i>USD 9,000</i>
Ex-post and ex-ante analyses conducted by an independent contractor; surveys (surveys will be designed and adapted to each specific project and target beneficiaries, including participants in trainings and workshops)	<i>Survey/questionnaire</i>	<i>At completion</i>	<i>A7.1 Use by vulnerable households, business and public sector services of GCF-supported tool, instruments, strategies and activities to respond to climate change and variability</i>	<i>USD 180,000</i>
E.5. Programme performance indicators				
Ex-ante and ex-post analyses conducted by independent contractor; surveys; procurement	<i>Government data/records</i>	<i>Mid-term and at completion</i>	<i>1.1 Number of health, financial and energy institutions integrating</i>	<i>USD 90,000</i>

documents; supervision mission reports			climate-friendly cooling solutions in procurement/len ding/bidding documents	
planning and policy instruments developed in each country	<i>Government data/records</i>	<i>At completion</i>	1.2 Number of legal/regulatory/p olicy instruments drafted/amended	<i>USD 5,000</i>
Ex-ante and ex-post analyses conducted by an independent contractor; surveys/questionnair es	<i>Survey/question naire</i>	<i>At completion</i>	2.1 Number of people adopting/switchin g to climate friendly cooling facilities compared to baseline at home or at the workplace	<i>USD 120,000</i>
Ex-ante and ex-post analyses conducted by an independent consultant; reports from supervision missions	<i>Government data/records</i>	<i>Mid-term and at completion</i>	3.1 Number of health facilities (clinics, hospitals) with improved cooling and refrigeration operating as a result of the project.	<i>USD 30,000</i>
Ex-ante and ex-post analyses conducted by an independent contractor; Bidding documents	<i>Government data/records</i>	<i>Mid-term and at completion</i>	3.2 MW of solar power installed through the solarization of cooling as a result of Cooling Facility support	<i>USD 50,000</i>
Ex-ante and ex-post analyses conducted by an independent contractor; bidding documents	<i>Government data/records</i>	<i>Yearly</i>	3.3 Number of energy efficient buildings financed through the Cooling Facility	<i>USD 40,000</i>
Ex-ante and ex-post analyses conducted by an independent contractor; procurement documents	<i>Government data/records</i>	<i>Yearly</i>	3.4 Number of energy efficient space cooling appliances deployed	<i>USD 30,000</i>
Ex-ante and ex-post analyses conducted by an independent contractor; energy	<i>Government data/records</i>	<i>at completion</i>	3.5 Energy expenditure savings by users (\$)	<i>USD 45,000</i>

audits/assessment reports				
Ex-ante and ex-post analysis conducted by an independent consultant; ministry of health reports	<i>Government data/records</i>	<i>Yearly</i>	3.6 Percentage of priority population vaccinated	<i>USD 6,000</i>
Building occupant surveys and/or building measurements	<i>Government data/records</i>	<i>Yearly</i> (starting when completion of first EE building renovation works)	3.7 Improved thermal comfort	<i>USD 20,000</i>
Ex-ante and ex-post surveys with farmers (disaggregated by gender) conducted by independent contractor	<i>Government data/records</i>	<i>Mid-term and at completion</i>	3.8 Proportion of agriculture production stored in cold chain equipment/facilities	<i>USD 20,000</i>
Ex-ante and ex-post analyses conducted by independent consultants; disbursement reports	<i>Government data/records</i>	<i>at completion</i>	4.1 Additional public and private capital for climate-friendly cooling investments mobilized by the GCF through programmatic Cooling Facility	<i>USD 27,000</i>

4. FACILITY-LEVEL EVALUATION

Evaluation			
Type	Timing	Independent/Self-evaluation	Indicative Budget
Process <i>To focus on measuring the activities of the program, program quality in terms of the delivery of output and who it is reaching as well as stakeholder satisfaction.</i>	Year 2	Self-Assessment	USD 50,000.00
Impact <i>To focus on measuring the immediate effect (short-term) of each Projects against the Project objectives</i>	Year 5	Self-Assessment	USD 100,000.00

Outcome <i>To focus on measuring the long-term effects of each Project with emphasis on the achievement of the overall Project goal.</i>	Year 8 <i>(Considering the fact that the total implementation period of the Facility is 10 years)</i>	Independent	USD 100,000.00
Terminal Evaluation	Year 10	Independent	USD 200,000.00

Independent evaluation would be conducted by the World Bank Independent Evaluation Group (IEG).