

**INTEGRATED SAFEGUARDS DATA SHEET
APPRAISAL STAGE**

Report No.: ISDSA1037

Date ISDS Prepared/Updated: 07-May-2015

Date ISDS Approved/Disclosed: 07-May-2015

I. BASIC INFORMATION

1. Basic Project Data

Country:	Jamaica	Project ID:	P129633
Project Name:	Improving Climate Data and Information Management (P129633)		
Task Team Leader(s):	Enos E. Esikuri		
Estimated Appraisal Date:	04-May-2015	Estimated Board Date:	24-Jul-2015
Managing Unit:	GENDR	Lending Instrument:	Investment Project Financing
Sector(s):	Public administration- Information and communications (100%)		
Theme(s):	Climate change (80%), Natural disaster management (15%), Social Protection and Labor Policy & Systems (5%)		
Is this project processed under OP 8.50 (Emergency Recovery) or OP 8.00 (Rapid Response to Crises and Emergencies)?			No
Financing (In USD Million)			
Total Project Cost:	7.48	Total Bank Financing:	0.00
Financing Gap:	0.00		
Financing Source			Amount
Borrower			0.68
Strategic Climate Fund Grant			6.80
Total			7.48
Environmental Category:	B - Partial Assessment		
Is this a Repeater project?	No		

2. Project Development Objective(s)

The project development objective is to improve the quality of climate related information for effective planning and action at local and national levels.

3. Project Description

Component 1: Upgrading Hydro-Meteorological Data Collection, Processing and Forecasting

Systems. This component will support investments for upgrading and providing critically needed new equipment, systems, and operator training for data collection, and processing for improved hydro-meteorological and agro-meteorological forecasts in order to ultimately enhance the availability and reliability of data for climate change scenario modelling, risk analysis and warning systems, and knowledge sharing. The investments will include: (a) acquisition of sea-level monitoring and hydro- and agro-meteorological equipment, including installation, spare parts and training of MSJ, WRA and RADA staff; (b) replacing the outdated weather Doppler radar, including rehabilitation of the Cooper's Hill station facility; (c) providing training and technical assistance to improve hydro-meteorological data management and quality assurance of data collections and processing.

Component 2: Climate Resilient Planning and Hydro-meteorological Information Services. This component will provide technical assistance support to promote Jamaica's readiness for climate events through: (a) updating statistically downscaled high resolution climate change scenarios to prepare the State of Jamaica 2015 report and to develop training in sector specific climate resilient planning based on said scenarios; (b) preparing national vulnerability assessments in selected priority sectors; (c) preparing a detailed health sector vulnerability assessment and costed resilience strengthening plan for climate-proofing Jamaica's health facilities and operations; (d) carrying out community risk profiling and developing targeted early warning messaging for vulnerable groups; (e) upgrading the multi-agency climate and natural risk data and information sharing system and clearing-house with public access.

Component 3: Climate Change Education and Awareness towards Behavior Change. Component 3 will provide technical assistance support to (a) carrying out the climate change information, education and communication (IECC) initiative, and (b) implementing targeted attitude and behavior change campaigns to address climate change adaptation needs and influence behavioral change of targeted groups, as part of the Communications Strategy Action Plan developed under the PPCR Phase 1. Campaigns are aimed at influencing and bringing about changes in attitudes and behavioral practices to assist targeted groups to adopt practical means of coping with severe weather events, climate variability and climate change.

Component 4: Project Management, Monitoring and Evaluation. This component will provide support to carrying out the Project, including overall technical management, financial management, procurement, compliance with environmental and social safeguards, monitoring and evaluation of data collection, supervision of works through the provision of consulting services and Operating Costs.

4. Project location and salient physical characteristics relevant to the safeguard analysis (if known)

The Project activities will be country-wide, helping to create the enabling conditions for building climate resilience by improving the quality of climate related information throughout Jamaica.

5. Environmental and Social Safeguards Specialists

Martin Henry Lenihan (GSURR)

Michael J. Darr (GENDR)

6. Safeguard Policies	Triggered?	Explanation (Optional)
Environmental	Yes	As the precise location of any new hydro-meteorological

Assessment OP/BP 4.01		equipment to be installed will only be known during Project implementation, an Environmental Management Framework (EMF) has been prepared, approved by the Bank and disclosed by the Government as part of Project preparation. The EMF includes an assessment of potential impacts, screening and scoping mechanisms, and an Environmental Management Plan (EMP) with model contract clauses for works and activities with potential environmental impacts.
Natural Habitats OP/BP 4.04	No	Impacts to natural habitat are not expected, since hydromet stations (including radar) will be upgraded using existing sites. Exclusion criteria for natural habitat effects were included in the EMF as an additional precaution.
Forests OP/BP 4.36	No	Projects activities will not include forest management or result in changes to the utilization, or protection of any forested areas. Therefore, this policy is not triggered.
Pest Management OP 4.09	No	The project will not support the procurement or use of pesticides or other agricultural chemicals, or lead to the increased use of such chemicals.
Physical Cultural Resources OP/BP 4.11	No	Effects on physical cultural resources are not expected, since hydromet stations (including radar) will be upgraded using existing sites. Exclusion criteria and a chance-find procedure were included in the EMF as additional precautions.
Indigenous Peoples OP/ BP 4.10	No	Indigenous peoples with the four characteristics described in the Policy are not present within the Project area.
Involuntary Resettlement OP/BP 4.12	No	This policy is not triggered. At most the project will only involve minor civil works associated with the installation of weather recording equipment and refurbishment of existing radar and tidal gauge equipment and structures. During project preparation, the sites for project activities were screened for potential resettlement impacts, and none were identified.
Safety of Dams OP/BP 4.37	No	The project will not finance the construction of new, or rehabilitation of existing, dams.
Projects on International Waterways OP/BP 7.50	No	The project will not support activities which affect international waterways as defined under the policy.
Projects in Disputed Areas OP/BP 7.60	No	The project will not be implemented in areas known to involve disputed areas as defined in the policy.

II. Key Safeguard Policy Issues and Their Management

A. Summary of Key Safeguard Issues

1. Describe any safeguard issues and impacts associated with the proposed project. Identify and describe any potential large scale, significant and/or irreversible impacts:

<p>Many of the activities funded are consultancy studies and technical assistance with minimal adverse environmental impacts. Environmental concerns that may arise are related to the installation of weather recording equipment under Component A - Upgrading Hydro-Meteorological Data Collection, Processing and Forecasting Systems where the Project will finance minor civil works associated with the installation of weather recording equipment and refurbishment of existing radar and tidal gauge equipment and structures.</p>
<p>2. Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area:</p>
<p>The adverse environmental impacts associated with the small works are expected to be limited, short lived and can either be avoided altogether through careful designs and good construction practices, or reversed or otherwise effectively mitigated as they occur during construction by use of environmental management plan provisions that will be attached to all works contracts.</p>
<p>3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts.</p>
<p>Because the project will have minimal adverse impacts it was not necessary to consider alternative designs, other than to prioritize the use of existing sites for hydromet station and radar upgrades.</p>
<p>4. Describe measures taken by the borrower to address safeguard policy issues. Provide an assessment of borrower capacity to plan and implement the measures described.</p>
<p>An Environmental Management Framework (EMF) has been prepared, approved by the Bank and disclosed by the Government as part of Project preparation. The EMF requires each sub-component to undergo environmental screening of its location and type of activity, in order to identify relevant environmental concerns and, as needed, to prepare environmental management plans to be attached to all small works contracts. Exclusion criteria are also included in the EMF to prevent effects on natural habitats or physical cultural resources. PIOJ managed the EMF contracting and disclosure, and has extensive experience with World Bank environmental requirements.</p>
<p>5. Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people.</p>
<p>During Project preparation, consultations took place with all of the implementing agencies (generators of data and providers of information, principally WRA and MET) and the National Environment and Planning Agency (NEPA). The EMF was disclosed and public consultations held at the National Volunteer Center of the CVSS and at PIOJ. Participants included sector representatives, community development agencies, community based groups, non-governmental organizations, citizens of affected communities, statutory agencies of the GOJ, Parish Council, and departments of the University of the West Indies. The final EMF was published on websites of PIOJ, WRA and MET.</p>

B. Disclosure Requirements

Environmental Assessment/Audit/Management Plan/Other	
Date of receipt by the Bank	30-Oct-2014
Date of submission to InfoShop	14-Nov-2014
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	////

"In country" Disclosure	
Jamaica	30-Oct-2014
<i>Comments:</i>	
If the project triggers the Pest Management and/or Physical Cultural Resources policies, the respective issues are to be addressed and disclosed as part of the Environmental Assessment/Audit/or EMP.	
If in-country disclosure of any of the above documents is not expected, please explain why:	

C. Compliance Monitoring Indicators at the Corporate Level

OP/BP/GP 4.01 - Environment Assessment	
Does the project require a stand-alone EA (including EMP) report?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
If yes, then did the Regional Environment Unit or Practice Manager (PM) review and approve the EA report?	Yes [<input type="checkbox"/>] No [<input type="checkbox"/>] NA [<input checked="" type="checkbox"/>]
Are the cost and the accountabilities for the EMP incorporated in the credit/loan?	Yes [<input type="checkbox"/>] No [<input type="checkbox"/>] NA [<input checked="" type="checkbox"/>]
The World Bank Policy on Disclosure of Information	
Have relevant safeguard policies documents been sent to the World Bank's Infoshop?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Have relevant documents been disclosed in-country in a public place in a form and language that are understandable and accessible to project-affected groups and local NGOs?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
All Safeguard Policies	
Have satisfactory calendar, budget and clear institutional responsibilities been prepared for the implementation of measures related to safeguard policies?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Have costs related to safeguard policy measures been included in the project cost?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Does the Monitoring and Evaluation system of the project include the monitoring of safeguard impacts and measures related to safeguard policies?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Have satisfactory implementation arrangements been agreed with the borrower and the same been adequately reflected in the project legal documents?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]

III. APPROVALS

Task Team Leader(s):	Name: Enos E. Esikuri	
<i>Approved By</i>		
Practice Manager/ Manager:	Name: Emilia Battaglini (PMGR)	Date: 07-May-2015