

**INTEGRATED SAFEGUARDS DATA SHEET
APPRAISAL STAGE**

Report No.: ISDSA18182

Date ISDS Prepared/Updated: 28-Jul-2016

I. BASIC INFORMATION

1. Basic Project Data

Country:	Bhutan	Project ID:	P154477
Project Name:	Hydromet Services and Disaster Improvement Regional project (P154477)		
Task Team Leader(s):	Poonam Pillai, Dechen Tshering		
Estimated Appraisal Date:		Estimated Board Date:	09-Aug-2016
Managing Unit:	GSU18	Lending Instrument:	Investment Project Financing
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:	3.30	Total Bank Financing:	0.00
Financing Gap:	0.00		
Financing Source			Amount
Global Facility for Disaster Reduction and Recovery			2.80
South Asia Water Initiative (SAWI)			0.50
Total			3.30
Environmental Category:	B - Partial Assessment		

2. Project Development Objective(s)

The proposed development objective of this project is to strengthen Bhutan's capacity for hydromet services and disaster preparedness

3. Project Description

The project has three main components.

Component A: Hydromet Services Development. The main objective of this component is to strengthen the capacity of DHMS to improve hydromet monitoring, forecasting and services. It will be implemented by DHMS and have two sub-components as follows:

Sub-Component A1: Strengthening forecasting and services. This sub-component will fund improvements in monitoring, forecasting, ICT, hardware and software to improve DHMS services.

Sub-Component A2: Institutional Capacity Strengthening, Project Management, Regional

Collaboration and Monitoring and Evaluation. This sub-component will support training, capacity strengthening, consultancy to prepare bidding packages, project management and M&E activities. Funds will also be used for regional consultations and collaboration.

Component B: Disaster Preparedness and Response Capacity Improvement. The main objective of this component is to strengthen capacity for disaster preparedness and response. It will be implemented by DDM. It will have two sub-components as follows:

Sub-component B1: Establishment of critical emergency infrastructure. This sub-component will fund the establishment of an NEOC through the design, build and equip phase, emergency communication equipment for all 20 District Disaster Management Offices and support establishment of critical infrastructure such as fueling stations and helipads for emergency helicopter operation.

Sub-component B2: Institutional Capacity Strengthening, Regional Collaboration, Project Management and M&E. This sub-component will fund establishment of a DRM geomatics system within DDM, training and capacity building, regional collaboration, project management, monitoring and evaluation.

Component C: Design of an agromet decision support system. This component will fund the design of an agromet decision support system, development and delivery of agromet information products in two Dzongkhags, training and capacity building. It will be implemented by the DOA and in collaboration with DHMS.

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

5. Environmental and Social Safeguards Specialists

Bandita Sijapati (GSURR)

Drona Raj Ghimire (GEN06)

6. Safeguard Policies	Triggered?	Explanation (Optional)
Environmental Assessment OP/BP 4.01	Yes	
Natural Habitats OP/BP 4.04	No	
Forests OP/BP 4.36	No	
Pest Management OP 4.09	No	
Physical Cultural Resources OP/BP 4.11	No	
Indigenous Peoples OP/BP 4.10	No	
Involuntary Resettlement OP/BP 4.12	Yes	

Safety of Dams OP/BP 4.37	No	
Projects on International Waterways OP/BP 7.50	No	
Projects in Disputed Areas OP/BP 7.60	No	

II. Key Safeguard Policy Issues and Their Management

A. Summary of Key Safeguard Issues

<p>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> <p>As precise locations and details of the activities are not-known at the time of the project preparation, an Environmental and Social Management Framework (ESMF) has been prepared. Assessment conducted during the preparation of the ESMF concludes that large scale, significant and/or irreversible impact is not expected from the project. Hence the project is Category B. No environmental and social adverse impact is expected from activities such as capacity building, system improvement, consultations, software development, training and workshop. Minor/moderate impacts may result from: installation of wind profiler at Paro, replacement of the Automated Weather Observing System (AWOS) at Paro, installation of Ceilometers at Paro and Bumthang, construction of National Emergency Operation Centre building at Thimphu, installation of portable helicopter fueling stations, and construction of 10 helipads (specific site not-known yet). The impacts are likely to be site specific that can be readily mitigated. Typically, the potential impacts include acquisition of small parcels of land for the installation of wind profilers and ceilometers, management of construction wastes, noise and dust pollution, labour camps issues, impact on local cultural sites, etc.</p>
<p>2. Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area:</p> <p>No indirect or induced and/ or long-term impact is anticipated.</p>
<p>3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts.</p> <p>The project did not consider alternatives at the level of overall project level. The project consists of several subprojects. At subproject level, however, potential alternatives will be considered during implementation (in the process of planning, design, and implementation of respective subprojects). For example, helipad site selection will consider alternative sites and use social and environmental consideration besides technical criteria. Specifications of equipment will also look at technical options that may be better from environmental and social point of view (e.g. less noisy, that generate less wastes, avoid acquisition of private land, etc). NEOC building design will consider alternative designs.</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>The borrower has prepared an Environmental and Social Management Framework (ESMF) for the Project. The project consists of several subprojects, precise details and locations of which are not-known at the time project preparation. Hence, the ESMF is considered as an appropriate safeguard document for the project. The ESMF is based on policies and provisions of the World Bank Safeguard policies and RGoB legislations. Each subproject, during implementation, is required to</p>

be screened and to have specific safeguard document, as needed, which will be prepared following the process and procedure prescribed in the ESMF. The ESMF contains findings from a preliminary review of potential environmental and social impacts (see # Point 1 above).

Three different agencies will be responsible for implementing respective subproject/ activities. Capacity review conducted as part of ESMF preparation concludes that capacity of these agencies should be strengthened for effective/satisfactory implementation of the safeguard measures suggested in the ESMF. The ESMF also suggest hiring environmental and social expertise on a periodic basis including for conducting environmental and social (ESMF) orientations and trainings to implementing partners at various levels.

5. Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people.

The key stakeholders of the project includes DDM, DHMS, DOA, RBHSL, District and DEC's of districts where subproject/ activity will take place, NECS, Thimphu Thromde, respective Dzongkhag and Gewog authorities, and the communities around the respective subprojectlocations.

In the process of preparing the ESMF, the borrowers consulted with relevant stakeholders (one to one) as well as during a formal workshop. The executive summary of the ESMF has been translated into local language (Dzongkha), and the entire ESMF including the translated version of the executive summary has been disclosed in the website of the DDM (http://www.ddm.gov.bt/download/HDIRP_ESMF-May%2023%202016_Final%20Draft.pdf); DHMS (<http://www.moea.gov.bt/news/files/attach9of3214oq.pdf>; <http://www.hydromet.gov.bt/?q=248>) and DOA (<http://www.moaf.gov.bt/environmental-social-management-framework-for-hydro-met-disaster-improvement-regional-project/#more-5973>). Consultation will be continued throughout project implementation. At the time of detailed planning and construction of each subproject, relevant stakeholders including local authority, community and potentially affected people and all stakeholders relevant to the respective subproject/activity will be consulted. Additional consultations will be held during the environmental and social screening of sub-projects as well as during the preparation of sub-project specific Environmental and Social Management Plan (ESMP)/Initial Environmental Examination (IEE), if required.

B. Disclosure Requirements

Environmental Assessment/Audit/Management Plan/Other	
Date of receipt by the Bank	26-May-2016
Date of submission to InfoShop	07-Jun-2016
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	
"In country" Disclosure	
Bhutan	26-May-2016
<i>Comments:</i>	
Resettlement Action Plan/Framework/Policy Process	
Date of receipt by the Bank	26-May-2016
Date of submission to InfoShop	07-Jun-2016

"In country" Disclosure	
Bhutan	26-May-2016
<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 checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
OP/BP 4.12 - Involuntary Resettlement	
Has a resettlement plan/abbreviated plan/policy framework/process framework (as appropriate) been prepared?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
If yes, then did the Regional unit responsible for safeguards or Practice Manager review the plan?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Is physical displacement/relocation expected?	Yes [<input type="checkbox"/>] No [<input type="checkbox"/>] TBD [<input checked="" type="checkbox"/>]
Provided estimated number of people to be affected	
Is economic displacement expected? (loss of assets or access to assets that leads to loss of income sources or other means of livelihoods)	Yes [<input type="checkbox"/>] No [<input type="checkbox"/>] TBD [<input checked="" type="checkbox"/>]
Provided estimated number of people to be affected	
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: Poonam Pillai, Dechen Tshering	
<i>Approved By</i>		
Safeguards Advisor:	Name:	Date:
Practice Manager/ Manager:	Name: Bernice K. Van Bronkhorst (PMGR)	Date: 29-Jul-2016