

**INTEGRATED SAFEGUARDS DATASHEET
APPRAISAL STAGE**

Report No.:

Date prepared/updated: April 15, 2014

I. Basic Information**1. Basic Project Data**

| | | | |
|--|--|---|--|
| Country: Ghana | | Project ID: P144828 | |
| | | Additional Project ID (if any): | |
| Project Name: Disaster Risk Management Country Plan | | | |
| Task Team Leader: | | | |
| Estimated Appraisal Date: January 31, 2014 | | Estimated Board Date: No board date, expected grant agreement signature February 28, 2014 | |
| Managing Unit: AFTN3 | | Lending Instrument: Small RE Grant | |
| Sector: Flood protection (100%) | | | |
| Theme: Natural disasters (60%), Water Resources (30%), Climate Change (10%) | | | |
| IBRD Amount (US\$m.): | | | |
| IDA Amount (US\$m.): | | | |
| GEF Amount (US\$m.): | | | |
| PCF Amount (US\$m.): | | | |
| Other financing amounts by source: 1.3 million (GFD RR TF) | | | |
| Environmental Category: C – no assessment | | | |
| Is this a transferred project | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Simplified Processing | Simple <input checked="" type="checkbox"/> | Repeater <input type="checkbox"/> | |
| Is this project processed under OP 8.00 (Rapid Response to Crises and Emergencies) | Yes <input type="checkbox"/> | | No <input checked="" type="checkbox"/> |

2. Project Objectives:

1. The PDO is to strengthen the institutional capacity of the agencies responsible for flood and disaster risk management in support of Ghana's efforts to achieve the Hyogo Framework for Action for disaster reduction.
2. The proposed PDO Level Results Indicators would measure progress in the two key areas of: i) strengthening flood forecasting in the White Volta Basin; and ii) strengthening institutional capacities for disaster preparedness. The proposed PDO level results indicators are:
 - Increased accuracy and timeliness of flood forecasts in the White Volta Basin;
 - Number of beneficiaries, gender disaggregated, receiving tailored flood risk information;
3. The proposed intermediate level results indicators include, among others:
 - Number of hydrological and meteorological stations reporting in real time to flood forecasting;
 - Number of districts in the White Volta Basin with appropriate flood risk maps;

- Number of short courses on disaster risk management delivered at various levels in Ghana;
- Number of advocacy events on disaster risk management successfully conducted.

3. Project Description:

4. The Disaster Risk Management (DRM) Country Plan, which was jointly drafted by the Government of Ghana (GOG) and Global Facility for Disaster Risk Reduction (GFDRR), is being implemented in several phases. The White Volta Flood Hazard Assessment constituted the first phase. The second phase constitutes a second grant of GFDRR in the amount of USD 1.3 million. This second phase (the project) has two main interrelated activity sets strengthening the overall policy dialogue on disaster risk management and flood management in the North: (i) Advocacy and capacity building for disaster risk reduction (USD 500,000); and (ii) Strengthening flood management in the White Volta Basin (USD 800,000). Depending upon government demand, successful implementation, availability of resources further phases of the DRM country plan may follow.

5. Both activity sets are closely related and cross support each other. The first set of activities will facilitate the dialogue at the political level on strengthen DRR in the government's policies, improve the capacity of government staff in relation to disaster risk management and develop communication strategies targeted to stakeholders and affected population and thereby benefitting the second activity set. Lessons learnt from the second activity set will in return inform the dialogue at policy level. For example supporting national and regional platforms for disaster risk management (activity set 1) will prepare the ground for the dialogue with the regions and district assemblies on incorporating flood risk information in development planning activities (activity set 2).

6. Activity Set 1. Advocacy and capacity building for disaster risk reduction (USD 500,000). The specific development objective for this component is *to foster advocacy and to strengthen capacity at national, regional and local government level for disaster risk reduction and preparedness*. Activities under this component include:

- Organizing high level public events to raise awareness for specific topics and issues related to disaster risk reduction and management in Ghana. High level events should ideally be embedded in the national efforts around the international day for disaster risk reduction or international campaigns.
- Supporting national and regional platforms of the country – to convene, discuss, plan and advocate for disaster risk reduction across sectors.
- Taking stock of existing education and adult training programs related to disaster risk reduction and management.
- Developing a training agenda and editing and designing training material for the different courses addressing disaster risk reduction and preparedness targeting different levels of education. This can include short and introductory courses, but special attention should be given to the delegates from national, regional and possibly district platforms for disaster risk management.

- Implementing training program in a series of training sessions, targeting initially delegates of the national, regional and where applicable district platforms for disaster risk reduction.
- In conjunction with Ghana's role as a focus country of the United Nations Inter-Agency Standing Committee (UN-IASC), conducting a simulation exercise on national and regional level disaster contingency planning.

7. Activity Set 2. Strengthening flood forecasting in the White Volta Basin (USD800.000). This activity set of the DRM Country Plan will be implemented as a small recipient executed trust fund (RETF) grant, and the specific development objective of this component is to strengthen flood management in the White Volta Basin. Water Resources Commission (WRC) will be the implementing entity of the small recipient executed grant with the WRC, the National Disaster Management Organization, the Ghana Metereological Agency, and the Hydrological Services Department being the beneficiary agencies. The agencies' specific mandate, comparative advantage, ongoing and existing support received from government and development partners as well as the time-frame for implementation were considered for the formulation of specific activities. The small recipient executed trust fund grant will be implemented along three major sub-components: (i) improving flood forecasting, (ii) communicating flood risk information, and (iii) project management.

8. *Component 1: Improving flood forecasting (USD 420,000)*. This sub-component will strengthen the accuracy and timeliness of flood early warning information generated by the Flood Early Warning System (FEWS) Volta by improving the model itself and by strengthening the involved agencies capacity to provide real time data for food forecasting.

- Improving the White Volta Flood Forecasting System for more accurate flood forecasting information through (i) the replacement and upgrading of selected hydrological stations and malfunctioning rainfall stations, and (ii) improving the forecasting system through the definition of additional alert levels, incorporation of satellite information, simulation of low flows for drought forecasting, and validation flood forecasting information in flood season 2014 and 2015.
- Enhancing data sharing among relevant institutions for more accurate flood forecasting and real time information provision through the establishment of data servers at HSD and GMET linking relevant data instantly to FEWS Volta and making the information accessible for internet and cell phone applications.
- Sustaining and increasing the technical capacity of WRC, HSD, and GMET for flood forecasting through targeted training and consulting services.

9. *Component 2: Communicating flood risk information (USD 340,000)*. This sub-component will ensure that flood affected communities in the White Volta receive timely flood risk information and that local district assemblies can use the flood risk information for local planning.

- Making flood risk information available to the district assemblies in the White Volta Basin (12 district assemblies) providing detailed information for district planning. This may include open data and community mapping techniques to identify areas and

infrastructure at risk, as well as training of district assemblies to better understand flood risk maps for planning and decision making.

- Timely and effectively informing communities in the White Volta Basin about flood forecasting information, using tailored communication techniques. This may include the development open source IT based solutions for effectively communicating flood disaster risk related information to the potentially affected community.

10. *Component 3: Project Management (USD 40,000)*. This activity set bundles all activities, which are related to the project coordination, including costs for project coordinator, procurement and financial management specialist, consultants, vehicles and office space and others to ensure a successful implementation of the project.

4. Project Location and salient physical characteristics relevant to the safeguard analysis:

11. The location for the proposed project is the entire country for activities under component 1 (advocacy and capacity building) and the White Volta Basin for component 2. The project includes no physical interventions besides the replacement of broken water level recorders and mal-functioning rainfall stations or upgrading to tele-transmission located on existing selected sites in the White Volta Basin and managed by the government (Hydrological Services Department, HSD or Ghana Meteorological Agency, GMET). The proposed project will not finance any civil works or community driven development activities. The installation of hydro-met equipment will be limited to the replacement of broken or upgrading of existing equipment on existing sites and utilizing existing access routes, which will not require any intervention on the ground or river bed nor fencing and further limiting access of people. The installations will be carried out per the requirements of national and local laws and procedures. The proposed project will not affect water quality or quantity and thus does not foresee a need for riparian notification.

5. Environmental and Social Safeguards Specialists on the Team:

- Martin Fodor (Senior Environmental Specialist, AFTN3)

- Franklyn Gavu (Safeguards Consultant, AFTN3)

| 6. Safeguard Policies Triggered (please explain why) | Yes | No |
|---|------------|-----------|
| Environmental Assessment (OP/BP 4.01) | | X |
| Natural Habitats (OP/BP 4.04) | | X |
| Forests (OP/BP 4.36) | | X |
| Pest Management (OP 4.09) | | X |
| Physical Cultural Resources (OP/BP 4.11) | | X |
| Indigenous Peoples (OP/BP 4.10) | | X |
| Involuntary Resettlement (OP/BP 4.12) | | X |
| Safety of Dams (OP/BP 4.37) | | X |
| Projects on International Waterways (OP/BP 7.50) | | X |
| Projects in Disputed Areas (OP/BP 7.60) | | X |

II. Key Safeguard Policy Issues and Their Management

A. Summary of Key Safeguard Issues

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

13. OP 4.01: The proposed project is likely to have no or minimal adverse environmental impacts. It will not finance any works or community driven development activities. The installation of hydro-met equipment will be limited to the replacement of broken or upgrading of existing equipment on existing sites and utilizing existing access, and will not require any modification of the river bed or ground or require fencing.

14. OP 4.12: In addition, the proposed project will not finance any works or community driven development activities. Consequently, there will be no land acquisition for project activities. The installation of hydro-met equipment will be limited to the replacement of broken or upgrading of existing equipment, which will not require any land acquisition which may lead to impacts on livelihood or relocation. The replacement and installation activities will not limit access of people in the project area to land-based resources. Furthermore district assemblies (as planning entities) and communities along the White Volta will benefit from the project by better understanding early warning information and the existing flood risk in the area (e.g. houses and infrastructure at risk).

15. OP 7.50: The proposed project does not foresee any reason to provide riparian notification, as activities are limited and small scale equipment would not affect water quality or use (abstraction or flow) affecting other riparian.

16. *Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area: N/A*

17. *Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts: N/A*

18. *Describe measures taken by the borrower to address safeguard policy issues. Provide an assessment of borrower capacity to plan and implement the measures described: N/A*

19. *Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people:* The key project stakeholders are the communities and enterprises in flood-affected areas would be the principal beneficiaries of the proposed project. The investments required to support improved flood warnings would also benefit other stakeholders, inter alia: Hydrological Services Department, Meteorological Agency, National Disaster Management Organization, Communities subject to

flooding, District assemblies, and Volta River Authority. No safeguard-related studies (and hence, no consultations on such studies) are planned, as no safeguard policies are being triggered and the proposed project will not finance any works or community driven development activities.

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| B. Disclosure Requirements Date | |
| Environmental Assessment/Audit/Management Plan/Other: | |
| Was the document disclosed <i>prior to appraisal</i> ? | N/A |
| Date of receipt by the Bank | N/A |
| Date of "in-country" disclosure | N/A |
| Date of submission to InfoShop | N/A |
| For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors | |
| Resettlement Action Plan/Framework/Policy Process: | |
| Was the document disclosed <i>prior to appraisal</i> ? | N/A |
| Date of receipt by the Bank | N/A |
| Date of "in-country" disclosure | N/A |
| Date of submission to InfoShop | N/A |
| Indigenous Peoples Plan/Planning Framework: | |
| Was the document disclosed <i>prior to appraisal</i> ? | N/A |
| Date of receipt by the Bank | N/A |
| Date of "in-country" disclosure | N/A |
| Date of submission to InfoShop | N/A |
| Pest Management Plan: | |
| Was the document disclosed <i>prior to appraisal</i> ? | N/A |
| Date of receipt by the Bank | N/A |
| Date of "in-country" disclosure | N/A |
| Date of submission to InfoShop | N/A |
| * 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: | |
| N/A | |

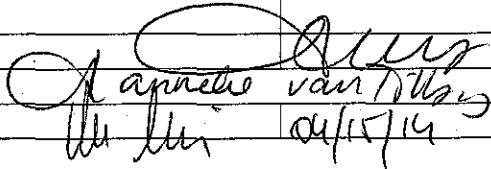
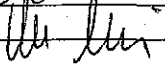
C. Compliance Monitoring Indicators at the Corporate Level (to be filled in when the ISDS is finalized by the project decision meeting)

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|---|---------|--------|-----------|
| OP/BP 4.01 - Environment Assessment | | | |
| Does the project require a stand-alone EA (including EMP) report? | Yes [] | No [] | N/A [X] |
| If yes, then did the Regional Environment Unit or Sector Manager (SM) review and approve the EA report? | | | |
| Are the cost and the accountabilities for the EMP incorporated in the credit/loan? | | | |
| OP/BP 4.04 - Natural Habitats | | | |
| Would the project result in any significant conversion or degradation of critical natural habitats? | Yes [] | No [] | N/A [X] |
| If the project would result in significant conversion or degradation of other (non-critical) natural habitats, does the project include mitigation measures acceptable to the Bank? | | | |
| OP 4.09 - Pest Management | | | |
| Does the EA adequately address the pest management issues? | Yes [] | No [] | N/A [X] |
| Is a separate PMP required? | Yes [] | No [] | N/A [X] |
| If yes, has the PMP been reviewed and approved by a safeguards specialist or Sector Manager? Are PMP requirements included in project design? If yes, does the project team include a Pest Management Specialist? | | | |
| OP/BP 4.11 – Physical Cultural Resources | | | |
| Does the EA include adequate measures related to cultural property? | Yes [] | No [] | N/A [X] |
| Does the credit/loan incorporate mechanisms to mitigate the potential adverse impacts on physical cultural resources? | | | |
| OP/BP 4.10 - Indigenous Peoples | | | |
| Has a separate Indigenous Peoples Plan/Planning Framework (as appropriate) been prepared in consultation with affected Indigenous Peoples? | Yes [] | No [] | N/A [X] |
| If yes, then did the Regional unit responsible for safeguards or Sector Manager review the plan? | | | |
| If the whole project is designed to benefit IP, has the design been reviewed and approved by the Regional Social Development Unit? | | | |
| OP/BP 4.12 - Involuntary Resettlement | | | |
| Has a resettlement plan/abbreviated plan/policy framework/process framework (as appropriate) been prepared? | Yes [] | No [] | N/A [X] |

| | |
|--|--------------------------------|
| If yes, then did the Regional unit responsible for safeguards or Sector Manager review and approve the plan/policy framework/process framework? | |
| OP/BP 4.36 – Forests | |
| Has the sector-wide analysis of policy and institutional issues and constraints been carried out? | Yes [] No [] N/A [X] |
| Does the project design include satisfactory measures to overcome these constraints? | |
| Does the project finance commercial harvesting, and if so, does it include provisions for certification system? | |
| OP/BP 4.37 - Safety of Dams | |
| Have dam safety plans been prepared? | Yes [] No [] N/A [X] |
| Have the TORs as well as composition for the independent Panel of Experts (POE) been reviewed and approved by the Bank? | |
| Has an Emergency Preparedness Plan (EPP) been prepared and arrangements been made for public awareness and training? | |
| OP/BP 7.50 - Projects on International Waterways | |
| Have the other riparians been notified of the project? | Yes [] No [] N/A [X] |
| If the project falls under one of the exceptions to the notification requirement, has this been cleared with the Legal Department, and the memo to the RVP prepared and sent? | |
| What are the reasons for the exception? Please explain: | |
| Has the RVP approved such an exception? | |
| OP/BP 7.60 - Projects in Disputed Areas | |
| Has the memo conveying all pertinent information on the international aspects of the project, including the procedures to be followed, and the recommendations for dealing with the issue, been prepared | Yes [] No [] N/A [X] |
| Does the PAD/MOP include the standard disclaimer referred to in the OP? | |
| The World Bank Policy on Disclosure of Information | |
| Have relevant safeguard policies documents been sent to the World Bank's Infoshop? | Yes [] No [] N/A [X] |
| 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? | |
| All Safeguard Policies | |
| Have satisfactory calendar, budget and clear institutional responsibilities been prepared for the implementation of measures related to safeguard policies? | Yes [] No [] N/A [X] |

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|--|--|
| Have costs related to safeguard policy measures been included in the project cost? | |
| Does the Monitoring and Evaluation system of the project include the monitoring of safeguard impacts and measures related to safeguard policies? | |
| Have satisfactory implementation arrangements been agreed with the borrower and the same been adequately reflected in the project legal documents? | |

D. Approvals

| Signed and submitted by: | Name | Date |
|---|--|-------------|
| Task Team Leader: | Shelley McMillan | |
| Environmental Specialist: | Martin Fodor | |
| Social Development Specialist | Franklin Gavu | |
| Additional Environmental and/or Social Development Specialist(s): | Beatrix Allah-Mensah | |
| | | |
| Approved by: | | |
| Regional Safeguards Coordinator: | Alexandra Bezeredi | |
| Comments: | <i>for</i>  | |
| Sector Manager: | Magda Lovei | |
| Comments: |  04/15/14 | |

