

INTEGRATED SAFEGUARDS DATA SHEET CONCEPT STAGE

Report No.: ISDSC2316

Date ISDS Prepared/Updated: 23-Aug-2013

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I. BASIC INFORMATION

A. Basic Project Data

Country:	Africa	Project ID:	P115063
Project Name:	3A-WAPP APL1 (Phase 3) Adjarala Hydroelectric Project (P115063)		
Task Team Leader:	Franklin Koffi S.W. Gbede		
Estimated Appraisal Date:	11-Dec-2013	Estimated Board Date:	10-Jul-2014
Managing Unit:	AFTG2	Lending Instrument:	Investment Project Financing
Sector(s):	Hydropower (100%)		
Theme(s):	Regional integration (67%), Infrastructure services for private sector development (33%)		
Financing (In USD Million)			
Total Project Cost:	435.00	Total Bank Financing:	120.00
Financing Gap:	0.00		
Financing Source			Amount
BORROWER/RECIPIENT			50.00
International Development Association (IDA)			120.00
Bilateral Agencies (unidentified)			165.00
Foreign Multilateral Institutions (unidentified)			100.00
Total			435.00
Environmental Category:	A - Full Assessment		
Is this a Repeater project?	No		

B. Project Objectives

WAPP APL : The goal of West Africa Power Pool (WAPP) is to establish a well-functioning, cooperative, power pooling mechanism for West Africa, as a means to increase access of the citizens of the Economic Community of West African States (ECOWAS) to stable and reliable electricity at affordable costs. [APL1 refers to the countries involved in this horizontal and vertical APL structure,

and covers WAPP projects undertaken in the WAPP Zone A. Phase 3 indicates that this is the third project in this APL series.]

The development objective of the WAPP Adjarala Hydropower Project (APL 1, Phase 3) is to increase power supply and reduce the cost of supply.

C. Project Description

The proposed revised design now includes 3 x 49 MW for an estimated 366 GWh energy production per annum. Project design will contribute to the mitigation of the floods downstream and allow for the future development of a large irrigation perimeter. A 2012 independent review confirmed the economic and financial viability of the project with the revised design. The team will validate these results during project preparation. The review took into account the latest economic and social costs. The duration of the construction is estimated at 3 years. The annual average energy, estimated at 366 GWh, includes 314 GWh of firm energy (at 5% deficiency). The indicative line route for the proposed transmission line (about 50km long) will be parallel to the existing power line. This routing has been chosen to minimize environmental and social impacts.

The WAPP Adjarala Hydropower Project (APL 1, Phase 3) will finance the following components: Component 1: Adjarala dam, hydropower plant, transmission line, and associated infrastructure.

This component involves the construction of the hydropower scheme and its interconnection with the Momé Hagou substation. Expected results from this component are an increase in hydropower generation capacity constructed under the project, transmission lines constructed under the project, and improvement in quality of service thanks to less average interruption frequency per year in the project area. The component includes the following elements:

- A 48m high and 3,700 m long dam creating a 680 hm³ and 95 km² reservoir;
- A hydropower station equipped with 3 x 49 MW units (315 m³/s, 54 m head);
- Construction of about 50 km of 161 kV transmission line between the power plant and the substation of Momé Hagou where the transmission line joins the WAPP Coastal Transmission Backbone;
- Construction of access roads, a new 150 m bridge across the Mono river at Tetetou (road Tohoum-Notse), repositioning of part of the Nangbéto /Momé Hagou transmission line located in the land submerged by the reservoir and other minor infrastructures;
- A transmission interconnection line
- Consulting services for Project and Construction Management.

Component 2: Environmental and social measures. This component will finance activities related to the implementation of all measures outlined in the Environmental and Social Management Plan (ESMP) and Resettlement Action Plan (RAP), related to activities financed in Component 1. In addition, the component may support the design and implementation of a limited Local Development Program that will address immediate social and development needs of affected local communities beyond those prescribed in the ESMP and RAP.

Component 3: Technical assistance and project management. This component will finance technical assistance activities related to preparation and implementation of the project such as:

- Study to minimize the occurrence and extent of floods downstream of Adjarala by setting up a flood routing management system coordinated with Nangbéto,
- Analytic studies related to the potential development of the 40,000 hectare irrigation perimeter downstream of Adjarala,
- Development of coordinated operation system between Nangbéto and Adjarala power station with a view to optimize the sharing of data and ultimately the benefits of the schemes.

It will also support comprehensive communication program to help achieve the project development

objectives. The project will support overall project management, including consultants, equipment, trainings, and monitoring and evaluation for the project.

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

The Adjarala Dam site is located on the Mono River downstream of the Nangbéto Hydropower Project on the same river. The Mono River at the Adjarala dam site forms the border between Togo and Benin. The largest part of the Adjarala reservoir is located on Togolese territory, where also most of the population to be resettled lives.

E. Borrowers Institutional Capacity for Safeguard Policies

CEB has established an environmental and social unit, which has experience with the implementation of ESIA's and RAPs for World Bank financed projects. This environmental and social unit will be strengthened and upgraded to a higher status under the project.

The borrower, CEB, the owner of the Adjarala Dam, is the Transmission Company of Togo and Benin, is presently establishing a Dam Safety Advisory Panel and an Environmental and Social Advisory Panel to provide advice on the TORs of the feasibility study, detailed design study, ESIA and RAP and on these studies themselves and any other dam safety, environmental and social advice required.

F. Environmental and Social Safeguards Specialists on the Team

Mohamed Arbi Ben-Achour (AFTN2)

Robert A. Robelus (AFTA1)

Lucienne M. M'Baipor (AFTCS)

Maman-Sani Issa (AFTN2)

II. SAFEGUARD POLICIES THAT MIGHT APPLY

Safeguard Policies	Triggered?	Explanation (Optional)
Environmental Assessment OP/ BP 4.01	Yes	The project is expected to have significant and irreversible environmental and social impacts. The project has been classified as a Category A project in compliance with OP/BP 4.01. An ESIA and ESMP are under preparation, and will detail these impacts and how they will be managed. The ESIA/ESMP will be consulted upon and disclosed before appraisal. CEB is establishing an Environmental and Social Advisory Panel to advise on the TORs, ESIA's and RAPs and other environmental and social aspects of the project.
Natural Habitats OP/BP 4.04	Yes	The project will have significant impacts on natural habitats (fishing grounds downstream and mangrove areas), both during construction and operation of the dam. The impacts and

		mitigation measures will be addressed in the ESIA/ESMP.
Forests OP/BP 4.36	Yes	Forest issues include measures for the recovery of biomass from the future reservoir, as well as control of induced impacts at the periphery of the reservoir. Also it is expected that some forest reserves will be affected. The impacts and mitigation measures will be addressed in the ESIA/ESMP.
Pest Management OP 4.09	No	The project does not involve the use pesticides or pest management protocols.
Physical Cultural Resources OP/BP 4.11	Yes	At present, no sites are known, but given the possibility of chance finds, these matters will be covered in the ESIA. An archaeological survey will be carried out in the reservoir and dam areas before inundation and if needed a Physical Cultural Resource Management Plan will be prepared.
Indigenous Peoples OP/BP 4.10	No	There are no Indigenous Peoples in the project area.
Involuntary Resettlement OP/BP 4.12	Yes	The project is expected to have direct and indirect social impacts in its area of influence and beyond. Social mitigation plans by broad categories of works (dam, power plant, and reservoir; transmission line; access roads) are under preparation. RAPs are under preparation relative to communities in the area of the dam site, reservoir area and power station, access road and along the associated transmission line. The RAPs will be consulted upon and disclosed before appraisal.
Safety of Dams OP/BP 4.37	Yes	The project includes the construction of a new, large 48 m high dam and an associated reservoir. CEB is appointing an independent dam safety advisory panel during project preparation to advise on associated dam safety risks. Dam safety studies are under preparation.
Projects on International Waterways OP/BP 7.50	Yes	The project is situated on the Mono River, the border river between Benin and Togo, the two beneficiary countries. These two countries are the ultimate owners of the Adjarala dam and are completely involved in the preparatory studies.
Projects in Disputed Areas OP/BP 7.60	No	N/A

III. SAFEGUARD PREPARATION PLAN

¹ Reminder: The Bank's Disclosure Policy requires that safeguard-related documents be disclosed before appraisal (i) at the InfoShop and (ii) in country, at publicly accessible locations and in a form and language that are accessible to potentially affected persons.

A. Tentative target date for preparing the PAD Stage ISDS: 23-Sep-2013

B. Time frame for launching and completing the safeguard-related studies that may be needed.

The specific studies and their timing¹ should be specified in the PAD-stage ISDS:

RAPs, ESIAAs, and ESMPs are currently under preparation and will be completed by November 2013.

IV. APPROVALS

Task Team Leader:	Name: Franklin Koffi S.W. Gbede	
<i>Approved By:</i>		
Regional Safeguards Coordinator:	Name:	Date:
Sector Manager:	Name: Meike van Ginneken (SM)	Date: 18-Sep-2013