

**INTEGRATED SAFEGUARDS DATA SHEET
APPRAISAL STAGE**

Report No.: ISDSA1189

Date ISDS Prepared/Updated: 25-Aug-2015

Date ISDS Approved/Disclosed: 01-Oct-2015

I. BASIC INFORMATION

1. Basic Project Data

Country:	Gambia, The	Project ID:	P152659
Project Name:	Gambia Electricity Sector Support Project (P152659)		
Task Team Leader(s):	Daniel Camos Daurella, Manuel Jose Millan Sanchez		
Estimated Appraisal Date:	26-Aug-2015	Estimated Board Date:	24-Feb-2016
Managing Unit:	GEE07	Lending Instrument:	Investment Project Financing
Sector(s):	General energy sector (34%), Thermal Power Generation (33%), Transmission and Distribution of Electricity (33%)		
Theme(s):	City-wide Infrastructure and Service Delivery (100%)		
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:	18.50	Total Bank Financing:	18.50
Financing Gap:	0.00		
Financing Source			Amount
BORROWER/RECIPIENT			0.00
International Development Association (IDA)			18.50
Total			18.50
Environmental Category:	B - Partial Assessment		
Is this a Repeater project?	No		

2. Project Development Objective(s)

The Project Development Objective is to increase the availability and reliability of electricity supply.

3. Project Description

The proposed project will provide immediate investment needs and institutional support to NAWEC as part of its strategy to redress its financial and operational performance in the short to medium

term. The GESP seeks a phased approach with an immediate focus on rehabilitation and efficiency enhancement as a means to engage in The Gambia's electricity sector and build confidence for longer term engagement for sector reform. The GESP will complement other short term and medium term interventions. In line with this objective, the GESP will support investments that aim at improving (i) generation capacity; (ii) transmission and distribution networks as well as commercial performance; and (iii) utility management capabilities for optimizing process and reducing inefficiencies within the sector. The GESP will facilitate the development of technical, commercial and financial capacity of NAWEC. This operation will focus on the GBA, where the vast majority of Gambia's electricity is consumed. The GESP consists of the following three components.

Component 1: Rehabilitation of Critical Generation in Kotu and Brikama (US\$7 million). This component will finance improvements of NAWEC's generation capacity and efficiency in the existing Kotu and Brikama thermal power plants. This will be in the form of rehabilitation of required equipment, provision of critical spare parts, and financing urgent maintenance activities. This support is critical in view of the worsening generation scenario in The Gambia. The Project component will be divided in the following two subcomponents:

- Sub-Component 1(a): Rehabilitation of the Kotu thermal power plant (US\$5 million). The GESP will finance the rehabilitation and maintenance of one 6.4 MW engine (group 8 - G8), and provide the necessary material for a major overhaul (24,000 hours overhaul) of another 6.4 MW engine (group 9 - G9). In addition, it will finance electrical equipment, and rehabilitate and replace a number of damaged equipment that are critical for restoring the functionality, providing operation reliability and improving the power plant efficiency.
- Sub-Component 1(b): Rehabilitation of the Brikama thermal power plant (US\$2 million). The GESP will finance the rehabilitation of group 1 (G1) in Brikama power plant. This investment will restore current suppressed generation due to breakdown in the group. G1 in Brikama is a 6.4 MW engine which has been down since 2011.

Component 2: Reduction of technical and commercial losses in the GBA (US\$4.5 million). This component will finance improvements in the transmission and distribution network in the GBA. The project will contribute to reduce forced outages as well as to diminish voltage drop, thus improving customer satisfaction. It will also generate higher supply continuity and quality, and increase prepayment metering, which will revert in higher returns. The improvements of the network will impact positively in the operations of NAWEC, reducing losses through the following two subcomponents:

- Sub-Component 2(a): Reduction of technical losses by upgrading and rehabilitating the existing T&D network (US\$3.3 million). The GESP will finance the installation of new transformers in order to off-load the existing installations, and the replacement of undersized conductors, distribution feeder pillars, and other auxiliaries. The project will cover the upgrading and rehabilitation of existing distribution systems in specific areas of the GBA, the upgrading of two power transformers in Mile 5 and Medina substations, the substitution of switchgear in Wellingara substation, and the installation of capacitor banks in Wellingara and Mile 5 for reactive power compensation.
- Sub-Component 2(b): Reduction of commercial losses by improving metering (US\$1.2 million). Currently, about 85 percent of GBA consumers are provided with prepayment meters. The remaining 15 percent are provided with conventional credit meters. The component will finance the installation of 15,000 new prepayment meters for customers to cope an additional 10 percent of consumers. Moreover, the project will finance calibration equipment for meters, and secondary

substation metering.

Component 3: Institutional Strengthening and Project Implementation Support (US\$7 million). This component is comprised of the following three sub components:

- Sub-Component 3(a): Service contract for NAWEC management support (US\$5.5 million). GESP will finance a service contract for NAWEC for a period of approximately four years to strengthen NAWEC's technical, financial and managerial capacity, as well as to provide procurement assistance to the Project Management Team (PMT) located in NAWEC in charge of project implementation. The recruited consultant will assess NAWEC on implementing the necessary reforms and on defining a robust integrated IT system to integrate accounting, billing, payroll, stock, etc. This system shall ease the process of separation of electricity, water and sewerage accounts. The contractor will also provide specific staff to support procurement and financial management of GESP during implementation.
- Sub-Component 3(b): Owner's Engineer (US\$1.3 million). The project will finance an Owner's Engineer to perform the supervision of component 1 and 2 execution.
- Sub-Component 3 (c): Tariff model update for PURA (US\$0.2 million). The GESP will finance a consultancy contract in order to update the existing tariff model developed in 2009.

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

To be determined

5. Environmental and Social Safeguards Specialists

Fatou Fall (GSURR)

Melissa C. Landes (GENDR)

6. Safeguard Policies	Triggered?	Explanation (Optional)
Environmental Assessment OP/BP 4.01	Yes	<p>The activities to be financed under Component 1 (existing power plants) will consist of equipment rehabilitation and maintenance while component 2 will focus on upgrading of existing substations, transmission and distribution within existing networks and the installation of new transformers.</p> <p>The implementation of the project activities will have both positive and negative environmental and social impacts. The negative impacts which need specific attention will occur during the operation of the power plants are related to pollution from waste mismanagement, noises, occupational risks and safety at work, socio-economic damages in the occurrence of accidental fire in the facilities.</p> <p>The borrower prepared an ESMP to address potential negative impacts and propose mitigation measures. The ESMP was reviewed and validated by the Bank and disclosed in-country and at the Infoshop on August 6, 2015.</p>

Natural Habitats OP/BP 4.04	No	Two Project sites, Mile 2 and Mile 5 substations, are within a wetland reserve and Ramsar site, the Tanbi Wetland Complex. Both facilities already exist and there is neither expansion into the wetland nor use of the surroundings of the substations for any Project activity. The only activity at Mile 2 and Mile 5 substations will be the replacement of capacitor banks. Workers will access the substations using existing access routes.
Forests OP/BP 4.36	No	The project will not support activities related to forest exploitation or management.
Pest Management OP 4.09	No	The project will not finance pesticides and none of the supported activities will indirectly induce use of pesticides.
Physical Cultural Resources OP/BP 4.11	No	In The Gambia, sand and gravel are supplied by companies registered for that purpose, and sourced from Government evaluated, and approved quarries (through the Geological Department, GD). These quarries are routinely monitoring by the GD and NEA. The current operational quarries around NAWEC's Project sites for sand is Kachumeh, and for gravel, Kubuneh and Pirang. There are no known sites of cultural significance around these quarries. Nonetheless, as a precautionary measure, the ESMP requires that all suppliers be approved by the NEA & GD, and only use Government approved quarries. Regarding clearance for right of way of transmission lines, it has been confirmed that there are no sacred sites within or along those routes.
Indigenous Peoples OP/ BP 4.10	No	There are no indigenous people in the project intervention areas.
Involuntary Resettlement OP/BP 4.12	No	OP 4.12 is not triggered. The project will not finance any activities requiring involuntary land acquisition resulting in A. Involuntary resettlement of people and/or loss of (or access to) assets, means of livelihoods or resources and B. The involuntary restriction of access to legally designated parks and protected areas resulting in adverse impacts on the livelihoods of the displaced persons. The activities to be financed under Component 1 (existing power plants) will consist of equipment rehabilitation and maintenance while component 2 (upgrading of existing substations, transmission and distribution within existing networks and the installation of new transformers) will take place only on public domain and/or the right of ways. An ESMP has been elaborated by the client and will be published both in country and at the info shop prior to

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

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>The activities to be financed under Component 1 (existing power plants) will consist of equipment rehabilitation and maintenance while component 2 will focus on upgrading of existing substations, transmission and distribution within existing networks and the installation of new transformers. The potential negative environmental and social impacts of these activities are expected to be small to moderate, site-specific and can be significantly reduced or eliminated through adequate mitigation measures. Potential negative impacts include oil spills affecting land, water, agriculture, tourism, and habitants of the polluted land; accidents (Public and Occupational) such as road traffic, falls, electrocution, and burns; air pollution during operation of the generators. Proposed mitigation measures include among others implementing a sludge management plan including spill prevention; environmental monitoring of air quality; use of alternative fuel producing less or no sludge; provision and use of personal protective gear; training and provision of safety information; adequate management and disposal of waste.</p> <p>The Borrower has prepared an ESMP to address potential negative impacts and propose mitigation measures. The ESMP was reviewed and validated by the Bank and disclosed in-country and at the Infoshop on August 6, 2015.</p>
<p>2. Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area:</p> <p>There are no foreseen potential indirect and/or long term impacts linked to project activities.</p>
<p>3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts.</p> <p>N/A</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 ESMP to address potential negative impacts and propose mitigation measures. The ESMP was reviewed and validated by the Bank and disclosed in-country and at the Infoshop on August 6, 2015.</p> <p>The Project Management Team (PMT) will include an environmental and social specialist who will monitor compliance with World Bank safeguards procedures. An existing staff will be designated within NAWEC and will benefit from training from Bank specialists.</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>Consultations with stakeholders (relevant institutional personnel and community heads) were held</p>

to (1) provide information about the project and to tap stakeholder information on key environmental and social baseline information in the project area; (2) to provide opportunities to stakeholders to discuss their opinions and concerns; and (3) to inform the process of developing appropriate management measures as well as institutional arrangements for effective implementation of the project.

Benefits of the proposed project identified by the respondents include efficient electricity supply that shall subsequently improve value of the area, quality of life, businesses, health and education amongst others. The new T and D structures shall ensure public and worker safety.

Questions were raised on the equitable distribution and benefit of supply through routing of lines in particular access of electricity to poor households.

B. Disclosure Requirements

Environmental Assessment/Audit/Management Plan/Other	
Date of receipt by the Bank	30-Jun-2015
Date of submission to InfoShop	06-Aug-2015
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	00000000
"In country" Disclosure	
Gambia, The	05-Aug-2015
<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 checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input 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"/>]
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: Daniel Camos Daurella, Manuel Jose Millan Sanchez	
<i>Approved By</i>		
Safeguards Advisor:	Name: Johanna van Tilburg (SA)	Date: 30-Sep-2015
Practice Manager/ Manager:	Name: Meike van Ginneken (PMGR)	Date: 01-Oct-2015