

Implementation Status & Results
Sierra Leone
SL Bumbuna Hydroelectric Environmental and Social Management project (P086801)

Operation Name: SL Bumbuna Hydroelectric Environmental and Social Management project (P086801) Project Stage: Implementation Seq.No: 19 Status: ARCHIVED Archive Date: 07-Jun-2013

Product Line: IBRD/IDA Country: Sierra Leone Approval FY: 2005
 Region: AFRICA Lending Instrument: Specific Investment Loan
 Implementing Agency(ies):

Key Dates

| | | | | | | | |
|---------------------|-------------|-----------------------|-------------|------------------------------|-------------|------------------------|-------------|
| Board Approval Date | 16-Jun-2005 | Original Closing Date | 31-Aug-2009 | Planned Mid Term Review Date | 01-Mar-2009 | Last Archived ISR Date | 25-Mar-2013 |
| Effectiveness Date | 19-Dec-2006 | Revised Closing Date | 30-Jun-2013 | Actual Mid Term Review Date | 01-Mar-2009 | | |

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To assist the recipient in satisfactorily addressing and mitigating the environmental and social impacts in the Project Area associated with the completion and initial operation of the Bumbuna hydroelectric dam and transmission line.

Has the Project Development Objective been changed since Board Approval of the Project?

Yes No

Component(s)

| Component Name | Component Cost |
|--|----------------|
| Environmental Management and Social Mitigation | 7.05 |
| Community Growth Poles | 1.25 |
| Technical Assistance | 1.20 |

Overall Ratings

| | Previous Rating | Current Rating |
|--------------------------------------|---------------------------|---------------------------|
| Progress towards achievement of PDO | Moderately Unsatisfactory | Moderately Unsatisfactory |
| Overall Implementation Progress (IP) | Moderately Satisfactory | Moderately Unsatisfactory |
| Overall Risk Rating | Substantial | Substantial |

Implementation Status Overview

An implementation supervision mission took place from April 2-16, 2013, and overlapped with the visit of Environmental & Social Advisory Panel (ESAP) during the same period. The primary purpose of the mission was to take stock of the ongoing activities, and support the speedy completion before the project closing date of June 30, 2013. Following is the status of different activities, in accordance with the Components under the restructured Project:

Component-A: Environmental Management and Social Mitigation:

1. Bumbuna Watershed Management Authority (BWMA) /Environment: BWMA has been performing its functions for about two years. It has full-time key professionals, and is engaged in: (a) biodiversity studies; (b) Geographical Information System (GIS) training; (c) agricultural development; (d) community liaison and social development; (e) water quality testing and fisheries assessment; and (f) eco-tourism. Options for long term sustainable funding of BWMA are being explored, but without any concrete results.
2. Loma Mountains National Park (LMNP) as environmental offset: LMNP was proclaimed a National Park in December 2012, but the parliamentary approval is still pending. The following activities have been completed so far: (a) staff posted and trained; (b) equipment and materials provided; (iii) consultations on the Park boundary completed, boundary re-surveyed and physically demarcated; (iv) Reserve Settlement Courts Sittings completed; (v) a Process Framework, including a socio-economic baseline study, completed; (vi) a LMNP Management Plan (MP) developed; and (vii) a provisional budget for the five-year period developed. Civil works are underway, and activities relating to disclosure of the LMNP Management Plan, introduction of farmer field schools, basic eco-tourism, and a desk review of existing biodiversity studies will be completed by June 2013.
3. Bumbuna Trust for funding safety, environmental and social mitigation actions: The Bumbuna Trust Deed is still with the Attorney General's office for comments, and there is no certainty regarding its establishment or potential funding by the Government of Sierra Leone.
4. Reservoir and Dam Safety Compliance: All the siren equipment (except the antennas - being airlifted) has arrived in Freetown and is awaiting customs clearance. Foundation works for all 27 sites have been completed, but residual activities remain. Installation and commissioning of sirens is now on the critical path. A simulation exercise involving Project Management Unit (PMU), Emergency Action Unit (EAU) and Office of National Security (ONS) is planned after the installation of sirens. The EAU continues to perform its functions satisfactorily. Implementation of safety protocol and handling of dam-related emergency (abnormal water releases) by Salini has not been fully compliant with international practice in the past, and environmental bypass has not been opened on some occasions during unplanned opening of turbines. Salini's O&M contract runs out in May 2013, and a new arrangement is envisaged after May 2013.
5. Social Mitigation: Implementation of the Resettlement Action Plan (RAP) for the dam, reservoir area, and 161 kv transmission line is almost completed, and draft RAP completion reports are being finalized. Demolition of 17 buildings standing under the T-Line for which compensation has been paid, needs to be done in coordination with relevant entities such as traditional authorities, the police, and others. Livelihood restoration activities to T-Line Project-affected Persons (PAPs) are underway, and anticipated to close by end-June, 2013. A Grievance Redress Mechanism (GRM) is in place and complaints from communities in the dam/reservoir area and along the T-Line are being received and redressed. Collaboration with National Commission for Social Action (NaCSA) on Safety is continuing, and six community centers to support disaster risk management at the community level and access infrastructure is completed. Supply of electricity to Bumbuna Town (to community level infrastructure, including schools, health centers, and streetlights) as 'benefits-sharing' is continuing.

Component-B: Community Growth Poles

1. Electricity to Bumbuna Town is being continuously supplied after its restoration on December 7, 2011 (barring periods of maintenance / breakdown).
2. All social infrastructure (Health Center, Police Station, etc.) has been connected to the electricity network.
3. Mobilization of community labor through CfW and Food-for-Work (FfW) addressing gap in youth and women employment has been undertaken.
4. Project's food aid program is reaching out to the vulnerable households in the area.

Component-C: Technical Assistance

1. Support to Bumbuna PMU has been provided, and the PMU is currently fully staffed and operational.
2. Work plans for the EAU, BWMA and PMU field staff have been developed for up to June 30, 2013.

Locations

| Country | First Administrative Division | Location | Planned | Actual |
|--------------|-------------------------------|-----------|---------|--------|
| Sierra Leone | Northern Province | Yiben | | |
| Sierra Leone | Northern Province | Port Loko | | |
| Sierra Leone | Northern Province | Makeni | | |
| Sierra Leone | Northern Province | Magburaka | | |
| Sierra Leone | Northern Province | Lunsar | | |
| Sierra Leone | Western Area | Freetown | | |
| Sierra Leone | Northern Province | Bumbuna | | |

Results

Project Development Objective Indicators

| Indicator Name | Core | Unit of Measure | | Baseline | Current | End Target |
|---|--------------------------|-----------------|----------|--|--|--|
| Project Affected Persons (PAPs) claims related to the transmission line addressed | <input type="checkbox"/> | Percentage | Value | 0.00 | 100.00 | 100.00 |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Claims not addressed. | Compensation payments completed (except for some disputed cases) | Most claims would have been addressed. The existing grievance mechanism will continue to be functional. |
| PAPs around the dam and reservoir area are resettled and compensated | <input type="checkbox"/> | Percentage | Value | 0.00 | 100.00 | 100.00 |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | All PAPs have been settled. | PAPs resettled and compensated. Livelihood skills training is largely completed. | "Shoreline Farmers" or those who began planting inside the shoreline will continue to be sensitized and to be provided with life-skills training and access to community benefit schemes, to encourage alternative income sources. |
| PAPs with livelihoods restored to same level as pre-project | <input type="checkbox"/> | Percentage | Value | 0.00 | 80.00 | 100.00 |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Livelihood Restoration Programs not implemented. | Livelihood Restoration Programs are completed, and initial evidence indicates that | Livelihoods would have been restored to pre-project levels. |

Public Disclosure Copy

| | | | | | | |
|---|--------------------------|------|----------|--|--|---|
| | | | | | PAPs are better-off after the project implementation. | |
| BWMA fulfills its key functions | <input type="checkbox"/> | Text | Value | 0 | 19 | 20 |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Maximum score of 25 points (completion of RAP; water quality & water borne diseases Monitoring, management of conservation area) | BWMA functional and is performing key functions satisfactorily. | BWMA would be fulfilling its mandate and all key functions. |
| Loma mountains National Park established and operational | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | No Loma Mountain National Park. | Loma Mountain National Park has been proclaimed as a National Park, and is working as a National Park. | Loma Mountain National Park would be operational. |
| Direct Project Beneficiaries (number) of which female (%) | <input type="checkbox"/> | Text | Value | 34% | 45% | 50% |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | 34% female beneficiaries in LAIR and SAP | 45% female beneficiaries have benefited in LAIR and SAP | Increase to 50% |

Intermediate Results Indicators

Public Disclosure Copy

| Indicator Name | Core | Unit of Measure | | Baseline | Current | End Target |
|---|--------------------------|-----------------|----------|---|--|---|
| Revised 161kV Transmission line RAP implemented | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Revised RAP for 161 kV Transmission line not implemented. | RAP is largely implemented, and a Completion Report is being prepared. | Revised RAP would be fully implemented. |
| Amount of replacement land provided (ha) | <input type="checkbox"/> | Number | Value | 198.00 | 198.00 | 198.00 |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | No replacement land yet. | Replacement land provided. | Completed. |
| RAP implemented in accordance with schedule | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | RAP implementation is behind schedule. | RAP Completion Reports are being finalized. | RAP implementation will be completed before close of the project. |

Public Disclosure Copy

| | | | | | | |
|--|--------------------------|------|----------|--|---|--|
| Completion of the Stabilized Agriculture Program (SAP) | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | SAP not completed. | SAP programs are largely completed. | Near completion. |
| Completion of the Livelihood Assistance and Income Restoration Programs | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2011 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | LAIR not completed. | LAIR programs are largely completed. | Near completion. |
| Legal ACT passed to create BWMA and BCA | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2011 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Legal Act not passed. | BWMA and BCA has been established. | |
| Bumbuna Watershed Management Plan developed and adopted | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Bumbuna Watershed Management Plan not developed. | Bumbuna Watershed Management Plan has been developed. | Bumbuna Watershed Management Plan developed and adopted. |
| Sustainable Financing Mechanism in place for BWMA and Loma Mountains National Park | <input type="checkbox"/> | Text | Value | No | Yes (Partial) | Unclear |
| | | | Date | 28-Sep-2011 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | No sustainable financing for BWMA and LMNP. | Sustainable financing mechanism for BWMA and LMNP is still being worked out. These costs are included in the PPA but funds are not being allocated. | Sustainable financing for BWMA and LMNP would need to be achieved through sector-wide programs initiated with GoSL by IDA and otherdonors. At this time, no arrangements for sustainable financing have been worked out. |
| BWMA regularly reports on state of environment in watershed | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | No regular reports. | BWMA continues to prepare monitoring reports. | Regular reporting would occur. |
| Draft Loma National Park Management Plan prepared | <input type="checkbox"/> | Text | Value | No | Yes | Yes |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | No LMNP Management Plan | LMNP Management Plan completed and is being disclosed. | LMNP Environment and Social Management Plan (ESMP) would be disclosed and implemented. |

Public Disclosure Copy

| | | | | | | |
|---|--------------------------|------|----------|---------------|--|--|
| Provisional warning system downstream installed | <input type="checkbox"/> | Text | Value | No | Yes (Partial) | Unclear about the completion by June 30, 2013 |
| | | | Date | 28-Sep-2010 | 15-Apr-2013 | 30-Jun-2013 |
| | | | Comments | Not installed | Equipment has arrived and is being cleared at the Port. Residual civil works underway. Installation is expected by end-May 2013. | Sirens would be installed, as the equipment has arrived. However, because of delays on the part of GoSL, it may have to be done by the Government using its own resources. |

Data on Financial Performance (as of 20-May-2013)

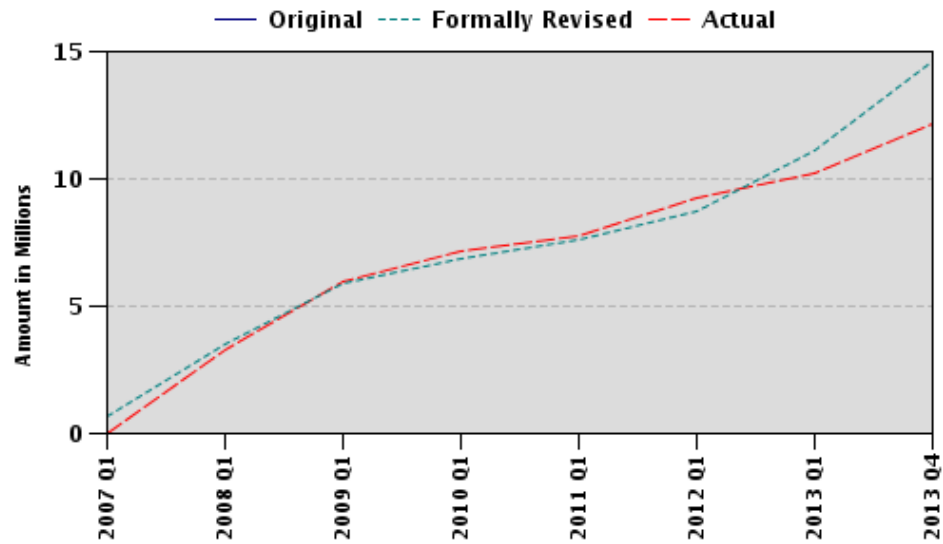
Financial Agreement(s) Key Dates

| Project | Ln/Cr/Tf | Status | Approval Date | Signing Date | Effectiveness Date | Original Closing Date | Revised Closing Date |
|---------|-----------|-----------|---------------|--------------|--------------------|-----------------------|----------------------|
| P086801 | IDA-H1700 | Effective | 16-Jun-2005 | 28-Jun-2005 | 19-Dec-2006 | 31-Aug-2009 | 30-Jun-2013 |
| P086801 | IDA-H6250 | Effective | 28-Sep-2010 | 29-Sep-2010 | 14-Mar-2011 | 30-Sep-2012 | 30-Jun-2013 |

Disbursements (in Millions)

| Project | Ln/Cr/Tf | Status | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---------|-----------|-----------|----------|----------|---------|-----------|-----------|-------------|-------------|
| P086801 | IDA-H1700 | Effective | XDR | 8.30 | 8.30 | 0.00 | 8.30 | 0.00 | 100.00 |
| P086801 | IDA-H6250 | Effective | XDR | 6.30 | 6.30 | 0.00 | 3.85 | 2.45 | 61.00 |

Disbursement Graph



Key Decisions Regarding Implementation

A detailed Action Plan has been prepared to complete all the outstanding activities till June 30, 2013 (attached with this Implementation Status Report, as part of the Aide Memoire).

Restructuring History

Level one Approved on 28-Sep-2010, Level two Approved on 21-Sep-2012

Related Projects

P086903-SL Completion of Bumbuna Hydroelectric project - IDA Guarantee