

**INTEGRATED SAFEGUARDS DATA SHEET
CONCEPT STAGE**

Report No.:

Date ISDS Prepared/Updated:

June 7, 2007

I. BASIC INFORMATION

A. Basic Project Data

Country: Georgia	Project ID: P101625	
	Additional Project ID (if any):	
Project Name: Small Hydro Rehabilitation Project		
Task Team Leader: Joseph Melitauri		
Estimated Appraisal Date: June 25, 2007	Estimated Board Date:	
Managing Unit: ECSSD	Lending Instrument: Carbon Finance Emission Reduction Purchase Agreement	
Sector: Power		
Theme: Climate Change		
IBRD Amount (US\$m.):		
IDA Amount (US\$m.):		
GEF Amount (US\$m.):		
PCF Amount (US\$m.): US\$3.0 million		
Other financing amounts by source:		
Environmental Category: B		
Simplified Processing	Simple []	Repeater []
Is this a transferred project	Yes []	No [x]

B. Project Objectives [from section 2 of PCN]:

The project development objective is to reduce emissions of greenhouse gas by rehabilitating small hydro power plants and increasing the capacity by about 11MW. In addition, the project will support the development of an international market mechanism for “Emission Reductions” (ERs) under the framework of the Kyoto Protocol, especially through developing a model to bundle small-scale projects to reduce ER in Georgia.

C. Project Description [from section 3 of PCN]:

The project is designed to provide the technical and financial tools required to rehabilitate existing hydropower plants to create at least 11 MW of additional small, run of the river hydro capacity. USAID has prepared the technical feasibility studies for 24 potential projects to determine the project potential, technical needs, costs, and likely benefits. Nine (9) projects have been pre-selected by USAID for the first year of the project to develop at least 11MW of additional capacity. Additional 10 projects have been proposed for the second year of the project, which is expected to add 14MW capacity.

The vast majority of the projects will require simple rehabilitation of turbines, generators, lines, transformers, waterways, and other basic components. USAID will assist in the development of the project, and provide technical support and grants (about 30% of total costs). The project developer will provide a minimum of 5% equity in the rehabilitations. The 50 % of the projects costs will be financed by EBRD and 50 % by the Bank of Georgia. The loan of the Bank of Georgia will be backed by EBRD.

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

The project will rehabilitate about 24 existing, run of the river SHPs, including nine in the first year, in 10 of 11 regions in Georgia. These 24 SHPs are located mostly in a hilly terrain with sparse population density. About a handful of off-grid Mini-Hydro Plants of the capacity below 10KW will also be newly constructed on the run-of-river.

E. Borrower’s Institutional Capacity for Safeguard Policies:

USAID will prepare Environmental Management Plan and monitor its compliance. USAID has safeguard policies similar to the Bank and an environmental specialist will be hired at the Country Office.

F. Environmental and Social Safeguards Specialists on the Team:

Environmental Safeguard Specialist: Darejan Kapanadze (ECSSD)

Social Safeguard Specialist: Satoshi Ishihara (ECSSD)

II. SAFEGUARD POLICIES THAT MIGHT APPLY

Safeguard Policies Triggered <i>(please explain why)</i>	Yes	No	TBD
Environmental Assessment (OP/BP 4.01)	X		
The project will rehabilitate 24 existing run of the river mini-hydro plants that are located mostly in hilly terrain. USAID has prepared a Programmatic Environmental Assessment, and EMPs (Monitoring and Mitigation Plans as referred by USAID) have been prepared for individual sites.			
Natural Habitats (OP/BP 4.04)	X		
The project activities will have temporary impacts on natural aquatic habitats during the construction stages, and minimal impact on river flow regimes during operations. All activities will be monitored as outlined in the EMPs. There will be no permanent conversion of terrestrial natural habitats.			
Forests (OP/BP 4.36)		X	
The specialists and team confirmed the impacts of forests are negligible extent, a maximum of 1 hectare will be cleared, and thus OP 4.36 is not triggered			
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	
The infrastructure investments for the 24 plus mini-hydro sub-projects in this project will be on			

Safeguard Policies Triggered (<i>please explain why</i>)	Yes	No	TBD
land that will be purchased in the open market on a willing-buyer willing seller-basis, located within and identified by the beneficiary CBOs/ individuals. Thus access to land will be obtained through means other than land acquisition through eminent domain.			
Safety of Dams (OP/BP 4.37)		X	
Based evaluation of the height /size of the water infrastructures, and hydraulic head the safeguard in not triggered.			
Projects on International Waterways (OP/BP 7.50)	X		
The location of the mini-hydropower plants also triggers the same safeguard (OB/BP7.50). These mini-hydropower plants are too small to have any likely impact on the large river system and none are located near the conflict areas of Georgia. The project team will seek a waiver for requirement to inform the riparian.			
Projects in Disputed Areas (OP/BP 7.60)		X	

III. SAFEGUARD PREPARATION PLAN

- A. Target date for the Quality Enhancement Review (QER), at which time the PAD-stage ISDS would be prepared:
- B. For simple projects that will not require a QER, the target date for preparing the PAD-stage ISDS:
- C. 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:

IV. APPROVALS

<i>Signed and submitted by:</i>		
Task Team Leader:	Joseph Melitauri, ECSSD	June 7, 2007
<i>Approved by:</i>		
Regional Safeguards Coordinator:	Ronald Hoffer, ECAVP	June 7, 2007
Comments:		
Sector Manager:	Charles Feinstein, ECSSD	June 7, 2007
Comments:		

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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.