



Bangladesh: Enabling Poor Women's Benefits from Enhanced Access to Energy in Hatiya Island

Project Name	Enabling Poor Women's Benefits from Enhanced Access to Energy in Hatiya Island
Project Number	48432-001
Country	Bangladesh
Project Status	Approved
Project Type / Modality of Assistance	Technical Assistance
Source of Funding / Amount	
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships
Sector / Subsector	Energy - Energy efficiency and conservation - Energy sector development and institutional reform - Energy utility services - Renewable energy generation - solar
Gender Equity and Mainstreaming	Effective gender mainstreaming
Description	<p>The goal of the Government of Bangladesh (GOB) is to make the country free from acute power shortages, load shedding, and to electrify all rural villages by 2020. Following the government's request, on 4 January 2012 ADB approved loan 2769, Power System Efficiency Improvement Project, which aims to address two key areas in the electricity supply industry: improving thermal power plants; and expanding the renewable energy penetration in the country. As part of the commitment of the GOB to integrate gender and social considerations in the energy sector and identifying entry points to address gender and social inclusion issues in the power sector, the ADB was asked -in September 2014- to assist in developing a strategy to further expand the integration of gender related activities into the ongoing loan 2769 for greater gender equality results, by spearheading the use of new off-grid renewable energy options to maximize the hybrid power system in Hatiya Island. The scope of the Technical Assistance (TA) includes increasing women's participation in energy related employment and energy based livelihood opportunities resulting from the loan; provision of technical training for women to enable them to maximize them; and a gender sensitive user-education program module to improve household energy efficiency, targeting female headed poor households on the safe and efficient use of electricity, elaboration of a customized dissemination and user friendly educational campaign in the efficient management of electricity services provided by the new hybrid power technologies. The Gender Action Plan (GAP) will continue to be implemented using the loan proceeds under Loan 2769.</p> <p>Impact and Outcome. The impact will be increased employment and livelihood opportunities for below poverty line (BPL) and vulnerable women in Hatiya Island. The outcome will be efficient electricity services maximizing inclusive access to energy resources and service. The proposed TA will have 4 outputs as follows, (i) Output 1: Improved local power infrastructure maximizing benefits for BPL women and FHH, which includes community based solar irrigation pumping systems for effective agriculture; PV street lighting in select areas; nano-grid cluster grid for connecting HH located far away from the main grid; community based PV refrigerators for preserving fish catch; internet access provided through one community e-center for increased information dissemination and learning; (ii) Output 2: Increased women's participation as entrepreneurs and service providers, which includes skills and technical training to enhance women's energy-based alternative livelihood opportunities through local power infrastructure development; implementation of electrical connections and electricity billing within the Output Based Aid program (the grant financed electrical connection from HH to the distribution grid); (iii) Output 3: Gender sensitive user-education program developed and implemented, which includes preparing awareness raising materials and implement user education program on safe and efficient use of electricity targeting poor FHH; and (iv) Output 4: Executing Agency (EA) Capacity developed in gender-inclusive community engagement, which will sensitize the EA in gender-inclusive community involvement in project activities.</p>

Project Rationale and Linkage to Country/Regional Strategy	Issues: Access to modern energy services is an important indicator of poverty and the state of social development. The regional demand for electricity in South Asia is steadily rising with continued economic development and it is expected to grow with households and industry as main consumers. ADB's Energy Outlook (2013) finds that South Asia will register the fastest yearly growth rate for electricity demand at 5.3%, a more than three-fold increase (from 2010) at 2,761.6 Terawatt hour (TWh) in 2035, while the key challenge remains the sector's sustainable development to provide secure and highly qualitative electricity services for all. In Bangladesh, energy shortage is considered the most critical infrastructure constraint to economic development, livelihoods and quality of life especially in rural areas. Including a gender oriented and properly engineered, improved and reliable power supply will enhance women's energy-related livelihood opportunities; reduce their household drudgery, while supporting environmental sustainability. Improved and reliable power supply will enhance women's energy-related livelihood opportunities. The proposed TA is in line with ADB's country operations business plan (COBP) 2015-2017 for Bangladesh, which prioritizes energy as a key area of support setting as a primary goal to reducing dependency on imported fossil fuels by implementing energy efficiency and conservation, including power generation from indigenous renewable energy sources. Gender equity is one of ADB's five drivers-of-change within its overarching goal of poverty reduction.	
Impact	Increased employment and livelihood opportunities in Hatiya Island for women living below the poverty line (BPL) and vulnerable women	
Project Outcome		
Description of Outcome		More efficient, gender- and socially-inclusive access to energy resources and services
Progress Toward Outcome		
Implementation Progress		
Description of Project Outputs		1. Local power infrastructure improved to maximize benefits for BPL women and FHHs [c] 2. Women's participation as entrepreneurs and service providers increased 3. Gender-sensitive user education program developed and implemented 4. BPDB capacity in gender- and socially- inclusive community outreach and engagement developed
Status of Implementation Progress (Outputs, Activities, and Issues)		
Geographical Location		
Summary of Environmental and Social Aspects		
Environmental Aspects		
Involuntary Resettlement		
Indigenous Peoples		
Stakeholder Communication, Participation, and Consultation		
During Project Design	Close coordination will be maintained with the executing agency, government agencies, and donors during implementation. Consultants will be required to maintain close working relations with the executing agency and ADB. Workshops with stakeholders and TA beneficiaries will be conducted.	
During Project Implementation	Inception mission will be conducted in August 2015.	
Business Opportunities		
Consulting Services	ADB will hire a consulting firm in accordance with the Guidelines on the Use of Consultants by ADB and its Borrowers (2013). The team of consultants will prepare deliverables for submission to BRM, according to their approved schedule and working plan.	
Procurement	Goods will be procured as per ADB's Procurement Guidelines (2013). The proceeds of the TA will be disbursed in line with ADB's Technical Assistance Disbursement Handbook (April 2010, as amended from time to time). The project is expected to start in August 2015 and be implemented over 17 months, with estimated completion in December 2016. BRM will be responsible for the implementation of the project, in consultation with SAEN.	
Responsible ADB Officer	Paul Hattle	
Responsible ADB Department	South Asia Department	
Responsible ADB Division	Energy Division, SARD	

Timetable

Concept Clearance	04 Dec 2014
Fact Finding	05 Apr 2015 to 05 Apr 2015
MRM	-
Approval	10 Jul 2015
Last Review Mission	-
Last PDS Update	25 Jul 2015

TA 8927-BAN**Milestones**

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
10 Jul 2015	-	-	31 Dec 2016	-	-

Financing Plan/TA Utilization

ADB	Cofinancing	Counterpart				Total	Cumulative Disbursements	
		Gov	Beneficiaries	Project Sponsor	Others		Date	Amount
0.00	0.00	30,000.00	0.00	0.00	0.00	30,000.00	10 Jul 2015	0.00

Project Page <http://www.adb.org/projects/48432-001/main>Request for Information <http://www.adb.org/forms/request-information-form?subject=48432-001>

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