Project Summary

Project Background
The purpose of the Productive Use of Renewable Energy Programme, Phase I (PUREP) is to provide energy services primarily based on renewable sources that adequately and sustainably serve the demand for income generation activities, largely in remote areas in Bangladesh. This is to contribute to economic and social development in Bangladesh by improving access to modern energy services for productive use. The Programme is based on an agreement between German Financial Cooperation (FC) represented by KfW, the Government of Bangladesh and the Programme Executing Agency IDCOL. PUREP avails approximately EUR 10 million in grant funds by German Financial Cooperation with a view to contributing to the World Bank’s programme Rural Electrification and Renewable Energy Development II (RERED II).

Project Objectives
Under PUREP, IDCOL is to fund sub-projects of productive use of renewable energy in Bangladesh. Such projects shall include, but are not limited to, investments such as solar based mini-grids, solar irrigation pumps, biogas based power generation and other RE technologies predominantly for productive use.

Project Results
The targeted result is the implementation of up to 40 off-grid pilot projects for productive purposes including PV mini-grids, PV-water pumps for irrigation, bio-gas and potentially other decentralized renewables. INTEGRATION is ensuring that the programme design and implementation are efficient and effective in promoting the overall objective. It shall support IDCOL and project sponsors with regard to project development, including the screening of proposals, assessment of technical and business models and of compliance with the criteria set for PUREP, as well as assisting IDCOL in monitoring and verification of projects.

Services Provided
• Ensuring that the selected sub-projects meet the selection criteria set and are in correspondence with international standards and industry best practice;
• Elaborating business model approaches for each sub-technology and train relevant personnel to promote them with different sponsors;
• Establishing an acquisition process at IDCOL that enables a structured and streamlined approach for seeking sub-projects;
• Assessing subprojects with regard to verification of business plans, financial strength and technology choice, the sponsors capacities;
• Suggest financial, technical or operational improvements for the specific sub-projects and support IDCOL or the applicants in implementing them;
• Assessing sub-technology specific guidelines for Operation & Maintenance;
• Establish an effective monitoring mechanism for the procurement, implementation supervision, operation & maintenance, financial transactions and impact assessment;
• Analysis of the existing recycling system for lead-acid batteries (ULAB) and proposal of private sector based activities to reduce the environment originating from ULAB;
• Assisting IDCOL in the establishment of efficient and effective appraisal and monitoring procedures;
• Preparation of progress reports, acceptance certificates, and performance test certificates;
• Review claims for disbursement from IDCOL.

Bangladesh
Productive Use of Renewable Energy Programme (PUREP), Phase I

Client
Infrastructure Development Company Limited (IDCOL), German Development Bank (KfW)

Duration
01/03/2016 - 29/02/2020

Personnel
• 1 intl. team leader and PV expert (6 PM)
• 1 intl. bio-gas key expert (4 PM)
• 3 intl. non-key experts (3 PM)
• 2 intl. backstopping (1,5 PM)
• 1 nat. deputy team leader and monitoring expert (7 PM)
• 2 nat. non-key experts (6,5 PM)