

**RESEARCH GRANT OPPORTUNITY
FOR
ENERGY EFFICIENCY AND DEMAND
MANAGEMENT APPLIED RESEARCH PROJECTS**

Program Solicitation: EPRC/58-2022-008

<http://researchgrant.eprc.gov.bd/>

Bangladesh Energy and Power Research Council

Power Division

November 2022

PROGRAM REQUIREMENTS

Program Title:

Research Grant Opportunity for Energy Efficiency and Demand Management Applied Research Projects

Synopsis of Program:

This solicitation mainly focuses on applied research-based projects that would unfold technologies, tools, and strategies paving the way for smart grid systems incorporating combination of demand response/management and energy efficiency to flourish the overall national power system. Specifically, funded projects under this grant solicitation will develop and upgrade technologies, strategies, and tools to maximize energy security, introduce customer participation in demand response (DR), forecasting customer participation in DR in Bangladesh, maintain cost-effective and viable energy efficiency, more cost-effective use of electric infrastructure, improve stability, reliability and flexibility of power system of Bangladesh.

Funded projects will help new or improved technologies to increase efficiency, improve or reduce energy usage in residential, institutional, and commercial facilities, buildings, significantly enhance performance or extend the lifetime of the generating asset and improve the stability, security, reliability and flexibility of sustainable power system. These projects will develop technologies which can be replicated at different locations in Bangladesh and will introduce an economically competitive variable price market of electricity and cost-effectiveness of investments.

Research Focus Areas:

Proposers submitting applied research proposals should address one of the following key research topics of interest, but are not limited to:

- New Methodologies in Energy optimization
- Energy System Performance Evaluation
- Industrial Energy Optimization
- Energy Efficiency and Management in Buildings
- Smart Technology for Customer Participation in Demand Response
- Impact of DR/DSM on system operation
- Utility-managed Demand Shifting

Award Information:

The maximum funding amount and maximum duration for each project are listed below:

Program Solicitation	Maximum Project Duration	Maximum award amount Per Research Project
Energy Efficiency and Demand Management	3 Years	BDT 4,00,00,000

BEPRC reserves the right to:

- Increase or decrease the duration and maximum award amount mentioned above.

Key Activities Schedule:

Key activities, dates and times for this solicitation and agreements resulting from this solicitation are presented below. An addendum will be released for any kind of amendment:

ACTIVITY	DATE	TIME
Solicitation Release	November 21, 2022	11:59 PM
Deadline to Submit Applications	December 19, 2022	
Anticipated Notice of Award (NOA) Posting Date	01 May 2023	
Anticipated Grant Agreement Start Date	15 May 2023	

Eligibility Information:

Who May Submit Proposals:

The categories of proposers eligible to submit proposals to BEPRC are described in the *BEPRC Grants Proposal Innovation Guideline*.

Limit on Number of Proposals per Organization:

There are no restrictions or limits.

Limit on Number of Proposals per PI or Co-PI: 1

An individual may be listed as PI, co-PI, and/or senior personnel in a single proposal under this solicitation. Listing of an individual in multiple projects under the same solicitation will result in rejection of the proposal.

Proposal Preparation and Submission Instruction:

Full Proposal:

- Proposer must submit full proposal via BEPRC's online portal: (<http://researchgrant.eprc.gov.bd>)
- *BEPRC Grants Proposal Innovation Guideline* will be applicable. The complete text of the mentioned guideline is available at: (<http://researchgrant.eprc.gov.bd>)

Collaborative Proposal:

- Proposers from two or more organizations may collaborate on a unified research project and submit the applied research projects under this solicitation. The PI must be a residential Bangladeshi.

Engaging Industry:

- Industrial engagement in cash or kind is highly encouraged for applied research projects submitted under this solicitation.

Proposal Evaluation and Award Information:

BEPRC Grants Proposal Innovation Guideline applies. The complete text of the mentioned guideline is available at: (<http://researchgrant.eprc.gov.bd>)

Inquiries:

Following officials may be contacted in case of any query:

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