

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

**Program Solicitation: EPRC/58-2018-004**

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

**Bangladesh Energy and Power Research Council**

**Power Division**

**July 2018**

## **PROGRAM REQUIREMENTS**

### **Program Title:**

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

### **Synopsis of Program:**

This solicitation mainly focuses to fund 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:**

Proposer 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 funding initiative is listed below:

<b>Program Solicitation</b>	<b>Maximum Project Duration</b>	<b>Maximum award amount Per Research Project</b>
<b>Energy Efficiency and Demand management</b>	<b>3 Years</b>	<b>4,00,00,000/-taka</b>

EPRC reserves the right to:

- Increase or decrease the group maximum award amount described in this section.

## **Key Activities Schedule:**

Key activities, dates, and times for this solicitation and for agreements resulting from this solicitation are presented below. An addendum will be released if the dates change for activities:

<b>ACTIVITY</b>	<b>DATE</b>	<b>TIME</b>
Solicitation Release	July 13, 2018	
Deadline to Submit Applications	September 02, 2018	
Anticipated Notice of Proposed Award (NOPA) Posting Date	December 2018	
Anticipated Grant Agreement Start Date	January 2018	

## **Eligibility Information:**

### **Who May Submit Proposals:**

The categories of proposers eligible to submit proposals to EPRC are identified in the *EPRC Grants Proposal Submission Guideline (Version-1)*, Section-3.

### **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 on no more than one proposal submitted in response to this solicitation.

## **Proposal Preparation and Submission Instruction:**

### **Full Proposal:**

- Letter of Intent (LoI) or Preliminary Proposal Submission is not required. Proposer must submit full proposal via EPRC's online portal: (<http://researchgrant.eprc.gov.bd>)
- EPRC Grants Proposal Submission Guideline (Version-1) apply. The complete text of the mentioned guideline is available electronically on the website at: (<http://www.eprc.gov.bd/site/view/notices>)

### **Collaboative Proposal:**

- Proposers from two or more organizations may collaborate on a unified research project and submit the applied research projects under this solicitation.

### **Engaging Industry:**

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

## **Proposal Evaluation and Award Information:**

EPRC Grants Proposal Evaluation Guideline (Version-1) applies. The complete text of the mentioned guideline is available electronically on the website at: (<http://www.eprc.gov.bd/site/view/notices>)

## **Enquiries:**

During the solicitation process, direct questions to the Council Officers listed below:

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