

**RESEARCH GRANT OPPORTUNITY  
FOR  
TRANSMISSION AND DISTRIBUTION  
INTEGRATION AND INFRASTRUCTURE APPLIED  
RESEARCH PROJECTS**

**Program Solicitation: EPRC/58-2022-011**

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

**Bangladesh Energy and Power Research Council**

**Power Division**

**November 2022**

## **PROGRAM REQUIREMENTS**

### **Program Title:**

Research Grant Opportunity for Transmission and Distribution Integration and Infrastructure Applied Research Projects

### **Synopsis of Program:**

This solicitation mainly concentrates to fund applied research projects that would blossom technologies, tools, and strategies paving the way for innovative technologies for improving transmission and distribution sector of Bangladesh. Specifically, funded projects under this grant solicitation will develop and upgrade technologies, strategies, and tools to better T&D line monitoring technologies, develop low cost synchronized monitoring technologies.

Funded projects will help new or improved technologies to incorporate data analytics techniques to identify anomalies, theft, cyber-security etc. Moreover, this solicitation is intended to research activity on smart-grid system in the perspective of Bangladesh.

These projects will develop technologies which can be replicated at different locations in Bangladesh and will ensure the stability, reliability of the national grid, security, dynamism of the grid and smartness of transmission as well as distribution sector of Bangladesh.

### **Research Focus Areas:**

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

- Efficiency and losses
- T&D grid modernization
- Smart Metering
- Protection, Automation and Control
- Impact on grid due to renewable energy integration
- System Stabilization

## **Award Information:**

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

<b>Program Solicitation</b>	<b>Maximum Project Duration</b>	<b>Maximum award amount Per Research Project</b>
<b>Transmission and Distribution Integration and Infrastructure</b>	<b>3 Years</b>	<b>BDT 4,00,00,000</b>

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:

<b>ACTIVITY</b>	<b>DATE</b>	<b>TIME</b>
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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