

**RESEARCH GRANT OPPORTUNITY  
FOR  
APPLIED RESEARCH PROJECTS ON  
MANAGEMENT OF LOW PRESSURE PROBLEM  
IN GAS TRANSMISSION AND DISTRIBUTION  
SYSTEM DURING THE WINTER**

**Program Solicitation: EPRC/58-2023-020**

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

**Bangladesh Energy and Power Research Council**

**Power Division**

**June 2023**

## **PROGRAM REQUIREMENTS**

### **Program Title:**

Research grant opportunity for applied research projects on management of low pressure problem in gas transmission and distribution system during the winter.

### **Synopsis of Program:**

This solicitation mainly emphasizes on applied research-based projects that would unfold technologies, tools, and strategies to identify the causes and subsequently manage the low pressure problem in gas transmission and distribution sector of Bangladesh especially in the winter season.

Funded projects will help new or improved technologies to incorporate data analytics techniques to identify anomalies leading to low pressure, technical and non-technical analysis etc. and innovate technologies/prototypes to address these issues in natural gas sector 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 gridline of gas, security, dynamism of the grid and smartness of transmission as well as distribution sector.

### **Research Focus Areas:**

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

- Detection of seasonal impact, identification of low-pressure point and probable solution;
- T&D grid modernization by computer intelligence and IoT;
- Protection, Automation and Control;
- System Stabilization;
- Development of reliable monitoring for transmission and distribution pipeline such as GPS system based real time monitoring system;
- Application of Software based methods like mass/volume balance, real time transient modeling, acoustic/negative pressure wave, pressure point analysis, statistics or digital signal processing;

### **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>Management of low pressure problem in gas transmission and distribution system during the winter.</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>
Solicitation Release	June 7, 2023
Deadline to Submit Applications	No hard deadline
Anticipated Notice of Award (NOA) Posting Date	One month after Govt. approval
Anticipated Grant Agreement Start Date	15 days after receiving NOA

## **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 area. Listing of an individual in multiple proposals under the same solicitation area and/or ongoing BEPRC funded projects will result in rejection of the proposal.

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

### **Full Proposal:**

- Proposer must submit a 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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