

**RESEARCH GRANT OPPORTUNITY
FOR
CONVENTIONAL ENERGY APPLIED RESEARCH
PROJECTS**

Program Solicitation: EPRC/58-2022-010

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

Bangladesh Energy and Power Research Council

Power Division

November 2022

PROGRAM REQUIREMENTS

Program Title:

Research Grant Opportunity for Conventional Energy 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 innovative technologies for improving the efficiency of existing power plants. It will help flourish the power generation sector of Bangladesh. Specifically, funded projects under this solicitation will develop and upgrade technologies, strategies, and tools to increase the reliability of existing central generation plants, identify novel method for emissions monitoring and characterization of fossil power plants, introduce multiple uses of plant by-products such as waste heat for Combined Heat and Power in the context of Bangladesh.

Funded projects will help new or improved technologies to incorporate innovative maintenance and inspection methods to reduce unplanned outages of power stations.

These projects would develop technologies that can be replicated at different locations in Bangladesh and will ensure that the existing technology in power stations can be useful in maintaining fine efficiency and can give place to new ideas about sophisticated as well as cutting-edge technology.

Research Focus Areas:

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

- Heat rate improvement
- Life cycle management
- Multi-energy output
- CO₂ capture, storage and conversion
- Maintenance and inspection methods

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
Conventional Energy	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 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:

- (1) Farhan Hussain
Director (Innovation)
Bangladesh Energy and Power Research Council
Email: director.inno@eprc.gov.bd

- (2) Azfar Inteha (Innovation)
Deputy Director
Bangladesh Energy and Power Research Council
Email: dd.inno@eprc.gov.bd