

Government of the People's Republic of Bangladesh
Ministry of Power, Energy and Mineral Resources

Power Division

Bangladesh Power Sector Development and Capacity Building (BPSDCB) Project
Bidyut Bhaban (Level-11)
1 Abdul Gani Road, Dhaka-1000

Request for Expression of Interest (EOI) for appointment of Consultant for Study on Incorporation of Battery Energy Storage System for Reliable and Efficient Power Supply in Bangladesh Power Sector (S-14)

Bangladesh Power Sector Development and Capacity Building (BPSDCB) Project (Loan No. 3523-BAN (COL))

No. 27.00.0000.085.002.011.02.18-1526

Dated: December 6, 2022

1. The Government of Bangladesh (GoB) is committed to provide reliable, quality and affordable power to all. The reliable grid and distribution system is a challenge. In this regard, incorporating the Battery Energy Storage Systems (BESS) into the grid and distribution system may act as a key technology for efficient transmission and distribution system, energy transition, reliability of service, efficient VRE integration, grid support and carbon emissions reductions. Bangladesh Power sector intends to use Energy Storage Technologies throughout the Bangladesh electricity grid and distribution networks. The Government is intending to analyze the role of Energy Storage System in the Bangladesh Power System for ensuring quality and reliable power supply. In this process, Power Division, Ministry of Power, Energy and Mineral Resources under the TA for Bangladesh Power Sector Development and Capacity Building (BPSDCB) intends to appoint an International Consulting firm to conduct "Study on Incorporation of Battery Energy Storage System for Reliable and Efficient Power Supply in Bangladesh Power Sector".
2. Power Division now invites EOIs for recruitment of Consultancy Services from eligible firms. The objectives of this project are:
 - a) Analyze the role of BESS for quality, reliable and efficient transmission and distribution network;
 - b) Analyze the role of BESS in increasing the share of more efficient Variable Renewable Energy (VRE) penetration into the grid;
 - c) Determine the optimum capacity of BESS systems for three different distribution areas with techno economic analysis; and
 - d) Incorporation of BESS in the distribution network to improve the power quality and reliability.
3. The consulting firm(s) should be internationally reputed and may have joint venture or association with other international firms and/or local consulting firms of Bangladesh.
4. The Terms of Reference (TOR) for the Consultant and ADB's standard EOI template for submitting EOIs is available at ADB website (<http://cms.adb.org>), or www.powerdivision.gov.bd or www.powercell.gov.bd.
5. EOIs submitted in other than the ADB's standard EOI template will be considered as non-responsive and will not be evaluated.
6. The short-listing criteria are:
 - a) Management Competence
 - b) Technical Competence
 - c) Geographical Competence
7. A consultant firm will be selected under QCBS method in accordance with the procedures set out in the ADB's *Guidelines and Public Procurement Rules 2018*.
8. Firms are requested to send their EOI by 29th December, 2022 through CMS in ADB website (<http://cms.adb.org>).
9. EOI shall also be submitted in one original and two copies in a sealed envelope and softcopies in USB device to the address given below by 29th December, 2022 within 12:00 hours Bangladesh Standard Time (BST).
10. Under no circumstances Power Division, Ministry of Power, Energy & Mineral Resources or ADB will be responsible for any cost incurred for submitting the EOI.

(Md. Nurul Alam)

Additional Secretary (Planning), Power Division

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Project Director

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Bidyut Bhaban (Level-11), 1 Abdul Gani Road, Dhaka-1000

Phone: 029515422

E-mail: adplanning@pd.gov.bd