

Government of the People's Republic of Bangladesh
Ministry of Power, Energy and Mineral Resources
Power Division
Power Cell
BidyutBhaban (9th Floor)
1, Abdul Gani Road, Dhaka 1000, Bangladesh

**REQUEST FOR EXPRESSION OF INTEREST (EOI) FOR APPOINTMENT OF INTERNATIONAL CONSULTANT
FOR IMPLEMENTATION OF INDEPENDENT SYSTEM OPERATOR (ISO) (Package No-111)**

**Rural Electrification and Renewable Energy Development-II (RERED-II) Project
Credit No. 5158-BD**

No. 27.71.0000.00406.050.17-1288

Dated: November 30, 2017

1. Government of Bangladesh is strongly committed to provide reliable and quality electricity to all people of Bangladesh. Demand of electricity has been increasing day by day. In the recent years, peak demand was more than 11,000 MW and the generation capacity is more than 13,000 MW. Out of total 13,621 MW, 7,476 MW in public sector and 5,485 MW in private sector and 660 MW is being imported from India. During FY 2016-17 53.60% net energy is generated by private sector. At present there are 111 power plants out of which 45 plants in public sector and 66 plants in private sector. Due to change in policy, regulatory and legislation framework, participation of private sector investment is increasing day by day.
2. Power Grid Company of Bangladesh (PGCB), a state owned company, owns 10,436 circuit kilometers transmission line. It has grid substation capacity of 31,000 MVA. National Load Despatch Centre (NLDC) under PGCB is entrusted with the responsibilities to oversee voltage and frequency. Generation scheduling, plant despatch, plant outage etc. are operated by BPDB (Single Buyer) through NLDC. There are six state owned distribution entities including BPDB having total 401,000 kilometer distribution lines. The role of NLDC (PGCB's unit) is to play an independent role for plants operation and merit order despatch between public and private sector. Sometimes conflict arises during load sharing at grid level by the distribution entities. Under this context, government intends to establish an Independent System Operator (ISO) through separating NLDC from PGCB. Accordingly, to establish ISO, a provision has been incorporated in the proposed Electricity Act, 2017 which is under enactment by the Parliament.
3. The People's Republic of Bangladesh has received a fund from the International Development Agency for the Rural Electrification and Renewable Energy Development-II (RERED- II) Project and it intends to use a part of the proceeds of this credit for the Appointment of international consultant for implementation of Independent System Operator (ISO).
4. Now, Power Cell under Power Division, Ministry of Power, Energy & Mineral Resources invites EOI to appoint an international individual consultant. The consultant should have at least 15 years working experience in transmission network operation, load despatch center and Independent System Operator (ISO). The Consultant will prepare a model document to establish ISO in Bangladesh power sector.
5. Qualification of the consultant: Minimum Master Degree in Electrical/Mechanical Engineering (PhD preferable).
6. The consultant will be selected based on educational qualification, total experience, specific experience, professional skill, service record and availability. Expression of Interest (2 copies) has to be delivered with a full CV to the office of Director General, Power Cell by December 21, 2017, 1700 hours BST. Any submission received after the deadline will not be accepted.
7. Detail scope of work will be available in the Terms of Reference (TOR) which can be downloaded from the website of Power Cell (www.powercell.gov.bd).
8. The Authority reserves the right to accept or reject all EOIs.



(Mohammad Hossain)

Director General

Power Cell

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