

REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES – FIRMS SELECTION)

MONGOLIA SECOND ENERGY SECTOR PROJECT

Loan No.: IDA-61020
Assignment Title: Technical audit for power transmission network and relay protection and automatic system
Reference No.: A-CQS-C-24

The Government of Mongolia has received financing from the World Bank toward the cost of the Second Energy Sector Project, and intends to apply part of the proceeds for consulting services.

The consulting services (“the Services”) include the support to the Technical Audit for Relay Protection and Automatic of 110 kV- 220 kV Substations in the Power Transmission Grid of Mongolia.

The Ministry of Energy now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are:

- The Consulting firms’ ability to make conclusion about to renovate and make research work in operations of main protection, high frequency protection and phase high frequency’s differential protection of electric transmission overhead lines that creates system
- Ability to be with wide knowledge of mechanical and micro-processor’s relay protection, operational principle of automatic structure, advantages and disadvantages and skilled to make final conclusion.
- Ability to make a calculation of system dynamic and static stabilization, calculation of short circuit and skilled to determine midpoint of oscillation correctly. Ability to make all mentioned calculation on the Power factor or same suitable software /it’s an advantage to have own software/. Static stabilization, calculation of short circuit and determining midpoint of oscillation have successfully accessed to the current industry and confirmation of those should be send by official letter.
- Employee of this consulting crew should be with not less than 10 years working experience in energy sector and specialized in relay protection, automatic, operation of secondary circuit and maintenance, with theoretical and practical experience, should be with experience in previously done third party technical audit in the relay protection and automatic structure. Confirmation of those experiences should shown by official letter of previous energy company, certificate or other related documents etc.

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank’s *Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers*, January 2011 (“Consultant Guidelines”), setting forth the World Bank’s policy on conflict of interest.

Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications.

A Consultant will be selected in accordance with the Selection based on the Consultant's Qualifications (CQS) method set out in the Consultant Guidelines.

Further information can be obtained at the address below during office hours 09:00 to 17:00 hours.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by fax, or by e-mail) by 10:00 hours (Ulaanbaatar time) 31 May 2019.

Project Management Office of the Second Energy Sector Project

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