

**NEPAL ELECTRICITY AUTHORITY**  
(A Government of Nepal Undertaking)  
**DISTRIBUTION and CONSUMER SERVICES DIRECTORATE**  
**GRID SOLAR AND ENERGY EFFICIENCY PROJECT**  
**Distribution Loss Reduction Master Plan (DLRMP)**

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

**First Publication Date: October 07, 2016**

**Country: Nepal**

**Name of Project: Distribution Loss Reduction Master Plan (DLRMP)**

**Assignment Title: Preparation of DLRMP, Design, Supervision and Monitoring of Loss Reduction Project**

**Reference No.: GSEEP/CS/QCBS-02**

1. The Government of Nepal (GoN) has received credits from the World Bank toward the cost of the **Grid Solar and Energy Efficiency Project (GSEEP)** and Nepal Electricity Authority (NEA), as the implementing agency, intends to apply part of the proceeds for consulting services on developing **Distribution Loss Reduction Master Plan (DLRMP)**.
2. Nepal Electricity Authority (NEA) is the vertically integrated national utility, which owns and operates generation facilities at around 66 percent of the total installed capacity. The transmission network in Nepal, owned by NEA, consists of more than 2,129 circuit km of 132 kV, 511 km of 66 kV, and around 4,000 km of 33 kV power lines. Customer services are provided with around 33,000 km of 11 kV distribution lines. NEA has about 2.9 million customers, which are categorized in commercial, industrial, domestic (or residential), etc. The system loss of NEA is stands at 24.4 percent, incorporating both technical and non-technical losses.

NEA intends to develop a Distribution Loss Reduction Master Plan (DLRMP) for reduction of distribution system loss of the entire country and carry out the investment in loss reduction activities based on the recommendation of the DLRMP in selected five distribution units of NEA.

3. The consulting services (“the Services”) for the Preparation of DLRMP; Design, Supervision and Monitoring of Loss Reduction activities in selected five distribution units of NEA based on the recommendation of the DLRMP. In particular, the principal activities will include, but not limited to the following:

Distribution Loss Reduction Master Plan

- Data Collection and Identification of Issues;
- Technical Loss Reduction;
- Non Technical Loss Reduction;
- Training of NEA Staff

Loss Reduction Activities Implementation

- Data Collection;
- Inventory Verification;
- Assessment of additional procurement needs;
- Prepare Bidding Document;
- Supervision and Monitoring of the implementation of loss reduction activities as Owners Engineers;
- Assessment and Evaluation of the result;
- Model Calibration.

It is expected that the consulting services for DLRMP will last about Thirty six (36) months in total: preparation of DLRMP – Twenty (12) months and implementation of Loss Reduction Activities- Twenty Four (24) months.

4. The NEA now invites eligible Consulting Firms/Utility 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. All the Consulting firms including JV firms must have been legally registered for at least **ten (10) years** from the last date of submission of EOI.

Following documents shall be submitted along with the EOI application by all the Consulting firms including JV firms.

- Copies of Certificates of incorporation or Registration of the consulting firm.
- Audited Financial Statements of the preceding five consecutive fiscal years but not earlier than the year 2010. Minimum average annual turnover of best three years over the last five years shall be **US\$ 13 Million**.
- Company Profile.

The consulting firms must provide information on jobs undertaken in **the last ten (10) years** giving a brief description of each job undertaken, the funding source(s), amount of contract and information on the employer. Consulting firms’ work experiences shall be evidenced by copies of client’s references with contact and email addresses on the letterhead of the client’s organization and shall be written in English. If the references are in other languages, it shall be accompanied by an accurate translation into the English language duly authenticated by notary agencies or the nationally/ internationally recognized translating body/ agency.

Evaluation will be based on the Distribution Master Plan/Distribution Loss Reduction Master plan which have been

developed, implemented and in operation; Loss Reduction Projects which are implemented. Under development and under implementation Master Plans and Loss Reduction Projects will not be considered for evaluation.

The **short listing criteria** are:

- (i) The firm shall have completed at least two Consulting contracts of Development and Preparation of Distribution Loss Reduction Master Plan in the last ten years. At least one of the Master Plans should have been in successful operation for at least one year. It is recommended that the firm have developed integrated software for calculation of cost benefit analysis of network development works.
  - (ii) The firm shall have completed at least one contract of Power system analysis with load flow studies that includes representation with indication of voltage and loss levels in the system components over the last ten years.
  - (iii) The firm shall have experience in the Design, Supervision and Monitoring of at least two Loss Reduction Projects for 11 kV or above Distribution Systems in the last ten years.
5. Interested Consultants shall refer to following clauses of 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") on the matters related to conflict of interest:
  6. Short listing of the Consultants will be carried out according to the World Bank's Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers - January 2011, Revised July 2014 ("Consultant Guidelines"). The attention of interested Consultants is drawn to paragraph 1.9 of theConsultant Guidelinessetting forth the World Bank's policy on conflict of interest.
  7. Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications. **Experience and Qualification of other firms, whether parent or subsidiary firm, will not be considered for evaluation. Likewise, qualification and experience of the consulting firm associated as a sub-consultancy will not be considered for evaluation for shortlisting.**
  8. All submittals from the consulting firms shall be in English language.
  9. A Consultant will be selected in accordance with the QCBS method set out in the Consultant Guidelines. The Terms of Reference (ToR) and this request for EoI can be either downloaded from the NEA's website: [www.nea.org.np](http://www.nea.org.np) or collected from the address mentioned below.
  10. Further information can be obtained at the address below during office hours.
  11. Expressions of Interest must be delivered in two printed copies (in hard copies, through mail or other means) to the address mentioned below on or before 13:00 hrs local time on November 11, 2016.. If the last date of submission happens to be a public holiday,the submission shall be made on the next working day.The submission shall be made in and the title shall be "**Expression of Interest (EOI) for Consulting Services: Distribution Loss Reduction Master Plan**".
  12. NEA reserves the right to accept or reject any or all applications, or to cancel the entire proceedings without giving any reasons whatsoever.

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