



NEPAL ELECTRICITY AUTHORITY

(A Government of Nepal Undertaking)

Request for Expressions of Interest (EOI)

For

Consulting Services for Power Transmission System Planning, Feasibility Study and Project Preparation for Major Cities of Nepal

(Date of First Publication: 24 May, 2020)

1. Government of Nepal has received grant assistance from Asian Development Bank (ADB) under Project Preparatory Facility for Energy (PPFE), part of which will support for Power Transmission System Planning for the year of 2050 (A.D.) including the Feasibility Study and Project Preparation for the major cities of Nepal. Nepal Electricity Authority (NEA) is the implementing agency for this part of PPFE. With the facility, NEA intends to undertake the Project Preparation Studies of the Transmission Lines and Substations for the cities as specified in Paragraph 2 through a consulting firm in a lump sum mode.
2. The Power Transmission System Planning for the major cities of Nepal taking into account of the future load growth till 2050 (A.D.) including their Feasibility Study and Project Preparation shall be referred as the "Project". The Project aim to cover following major cities of Nepal:
 - (i) Kathmandu Valley (Kathmandu, Lalitpur and Bhaktapur Districts) including Banepa City of Kabhrepalanchowk District.
 - (ii) Pokhara Valley (Kaski District)
 - (iii) Biratnagar, Itahari, Dharan, Biratchowk and adjacent Cities (in Morang, Sunsari and Jhapa Districts)
 - (iv) Janakpur and Bardibas Cities (in Danusha and Mahottary Districts)
 - (v) Hetauda, Simara, Parwanipur and Birgunj Cities (in Makawanpur, Bara and Parsa Districts)
 - (vi) Butawal, Bhairahawa and Sunawal Cities (in Rupandehi and Nawalparasi Districts)
 - (vii) Nepalgunj and Kohalpur Cities (in Banke District)
3. As Transmission system planning, feasibility and project preparation study, the principal activities for the consulting services shall include but not limited to inter alia the following: (the detail task is provided in the TOR)
 - a) Data collection and preparation of demand forecasts;
 - b) Site visits, study of power flows, identification and recommendation of new transmission infrastructures including reinforcement/up-gradation of existing transmission infrastructures;
 - c) Desk study, walk over survey and field reconnaissance survey; and recommend the most suitable option for transmission line;
 - d) Desk study, field visit and survey to recommend the suitable locations for new substation construction and accordingly recommend the type of substations in accordance with the available space;
 - e) Feasibility study of new overhead / underground Transmission line and substations (AIS, GIS, Compact GIS type) and of upgrading the capacity of existing Transmission line and upgrading/expansion of existing substation capacity
 - f) Basic design of Overhead Transmission Line, Underground Transmission Line and Substations including up-gradation of existing transmission infrastructure;
 - g) Detail design of a 132 kV Overhead Transmission line in Monopole, an Underground Transmission Line and a compact gas insulated substation (complete substation in a two or three storey building);
 - h) Preparation of Project Specific Requirements, Cost Estimates, Technical Specifications, Design and Drawings, Price schedules etc; required for Bidding Documents.
 - i) Economic analysis, financial analysis, sensitivity analysis and risk analysis of the Projects;
 - j) Social and environmental safeguard study of the projects and recommend the impact and their mitigation measures.
 - k) Preparation of Reports and Documents.

4. NEA seeks through this Expression of Interest (EOI) to engage a team of project preparation consultants through a firm in accordance with ADB's Procurement Policy (2017, as amended from time to time) and Procurement Regulations for ADB Borrowers (2017, as amended from time to time) to support in preparation of the Projects.
5. NEA ("the Employer") now invites eligible Consultant (a consulting firm or consortium of consulting firms or consulting arm of electric utility) to indicate their interest in providing the services. Expression of interest (EOI) will be assessed based on Management Competence (10%), Technical Competence (80%) and Geographical Competence (10%). Based on the evaluation of EOI, shortlisted consultants will be invited to submit a full technical proposal and financial proposal through the Request for Proposal (RFP).
6. The details of the package are accessible from ADB's consulting services recruitment notice (<http://csrn.adb.org>), and interested organizations are encouraged to submit their EOI through ADB's consultant management system (registration and access through <http://csrn.adb.org> or <http://cms.adb.org>). The same information (detailed request for EOI and Terms of Reference) can be found in the office of Project at NEA or downloaded from the website: www.nea.org.np. The interested Consultants must provide information stating their experience in the above principal activities as mentioned in S.No. 3. Also, additional information in the form of brochures, description of completed similar assignments, work experience in the specified areas, availability of appropriate skills among staff, etc. to show their technical, managerial and financial competence to perform the services should be provided. Such information must also include a brief description of the firm together with the organization structure and staffing. In particular, the information must include, among others, the following:
 - a) General and specific experience of the firm;
 - b) Experience of the firm in Transmission system Planning, feasibility study and project preparation for the metropolitan cities. The Consultant must provide information on jobs undertaken in the past 15 (fifteen) years giving a brief description of each job undertaken, the funding source(s), and amount of contract and information on the client/employer in the five principal activities mentioned above in paragraph 3;
 - c) Corporate profile of the firm with Quality Assurance Plan, ISO 9000, Complaint handling mechanism & Assurance of continuity of professional services and Social Protection practices of experts.
 - d) Information on organizational strength (organizational structure, number of permanent professional staffs and number of total staffs) and;
 - e) Duly filled up Attachment 1: Project Information Sheet (given in the website).
7. The application must be responsive to the requirements mentioned above and information sought in Attachment 1: Project Information Sheet. The application should be in sufficient details to be verifiable. Consultants may associate with others to enhance their qualifications. However a Consulting firm shall submit only one (1) EOI proposal as either a single entity or a partner in Joint Venture and an associate partner shall not associate with more than one (1) shortlisted consulting firm for RFP submission.
8. The services to be provided by the firm(s) are estimated at 48 person-months of international key experts and 60 person-months of national non key experts. The term of the consulting services shall be 15 months.
9. The bidding consultant must have more than Fifteen (15) years of consulting experience in the power sector. Here, bidding consultant shall mean the consultant who has submitted the EOI and not its parent company.
10. Within last 15 (fifteen) years, the Consultant must have completed, as minimum, the consulting job/contracts of project planning, feasibility study and design of (i) at least two nos. of 132 kV (and/or above) Voltage overhead Transmission line including the tower and foundation design (ii) at least two nos. of 132 kV or above Voltage level Air Insulated substations (iii) at least two nos. of 132 kV or above voltage level Gas Insulated substations and (iv) at least one 132 kV or above voltage level underground transmission line. Among the above, planning, feasibility study and design of one of the Transmission Lines and one of the Substations must have been completed for the metropolitan city as well as outside the Consultant's home country. In order to substantiate the aforementioned consulting contracts, the consultant shall submit the End User Certificate from Client depicting main scope of the contract. Incomplete or On-going Consulting Contracts will not be taken in to account and hence will not be evaluated.

11. The Consultant(s) will be selected and engaged in accordance with the ADB Procurement Policy (2017, as amended from time to time) and Procurement Regulations for ADB Borrowers (2017, as amended from time to time) under the Quality and Cost Based (QCBS at 90:10 ratio) selection method.
12. Tentative commencement date of the consultant will be December 2020.
13. The Expressions of Interest, EOI (one original and one duplicate) shall either be delivered to the address below by 13:00 hours Nepal Standard Time on July 01, 2020 or through CMS (online) is June 30, 2020. The EOI should be clearly marked with “Expression of Interest for Consulting Services for Transmission System Planning, Feasibility Study and Project Preparation for Major Cities of Nepal”.

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14. The interested Consultant(s) may obtain further information at the above address during office hours.
15. NEA reserves the right to reject any or all of the EOIs at any stage without assigning any reason whatsoever and without incurring any liability to the affected applicant(s). NEA will not be responsible for any cost of expenses incurred by the firms in connection with the preparation or delivery of the EOI.