



## WEST ZONE POWER DISTRIBUTION COMPANY LTD.

(An Enterprise of Bangladesh Power Development Board)

Office of the Chief Engineer (ESC&S), Bidyut Bhaban, 35/Boyra Main Road, Khulna.



Memo No: 27.22.4785.008.50.01.21/ 553

Dated: 21/03/2021

### Request For Expressions Of Interest (EOI)

1	Ministry / Division	Power Division, Ministry of Power, Energy & Mineral Resources.
2	Agency	West Zone Power Distribution Company Ltd. (WZPDCL)
3	Procuring Entity Name	Chief Engineer (ESC&S), WZPDCL, Khulna, Bangladesh.
4	Expression of Interest for Selection of	Consultancy Services for feasibility study of "Distribution System Improvement Project up to '2030 (Phase-1)"
5	EOI Ref. No.& Date	Memo No.: 27.22.4785.008.50.01.21/553 Date: 21/03/2021
6	Procurement Method	Quality and Cost Based Selection (QCBS).
7	Budget and Source of Funds	Revenue Budget (WZPDCL's Own Fund)
8	EOI Closing Date & Time	Date: 07 -04 -2021 Time: 15:00 hours BST.
9	EOI Opening Date & Time	Date: 07 -04 -2021 Time: 16:00 hours BST.
10	EOI Closing and Opening Place	Office of the Chief Engineer (ESC&S), WZPDCL, Bidyut Bhaban, 35/ Boyra Main Road, Khulna-9000, Bangladesh.
11	Brief Description of Assignment	Available in our website ( <a href="http://wzpdcl.org.bd">http://wzpdcl.org.bd</a> )
12	Name, Designation of Official Inviting EOI	Engr. Md. Mustafizur Rahman, Chief Engineer (ESC&S), Bidyut Bhaban, 35/Boyra Main Road, Khulna.
13	The procuring entity reserves the right to reject all EOIs without showing any reason thereof.	

Mobile: 01713-850211, e-mail: [wzce.escs@gmail.com](mailto:wzce.escs@gmail.com)

(Engr. Md. Mustafizur Rahman)  
Chief Engineer (ESC&S), WZPDCL, Khulna.



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11.	Brief Description of Assignment	<p>West Zone Power Distribution Company Limited (WZPDCL) wants to implement a project named "Distribution System Improvement Project up to '2030 (Phase-1)" with a view to introduce advanced technology in the operation &amp; maintenance of distribution system for supply of reliable electricity to meet increasing electricity demand up to 2040.</p> <p>Scope of major services under the proposed assignments include but not limited to the following:</p> <p><b>I. Complete Survey, feasibility study and engineering analysis:</b></p> <ol style="list-style-type: none"><li>Detailed physical Survey of WZPDCL's existing system, scope of work from other on-going and upcoming projects to determine consumer growth and load forecast up to 2040.</li><li>Based on survey &amp; scope of work from on-going and upcoming projects, engineering analysis of WZPDCL's existing distribution system to determine area specific (S&amp;D/ESU) extent of electrical works (Construction/renovation), civil &amp; IT infrastructure, logistic support required for sustainable operation of the distribution system.</li><li>Complete Engineering analysis to identify specific potential locations/load center for installation of 33/11 KV and 11/0.4kV distribution sub-station, towers for river/highways crossing and possible routes of distribution lines (Construction/renovation), necessity for the use of 11 KV insulated conductor.</li><li>S&amp;D/ESU wise distribution system analysis including load flow, power factor, system loss etc. with support system.</li><li>Remedy for interruption due to insulator crack.</li><li>Feasibility study for installation of feeder pillar in distribution transformer.</li><li>Feasibility study for installation of Fault Passage Indicator in 33 KV and 11 KV distribution system.</li></ol> <p><b>III. Planning, design, drawing and technical specification:</b></p> <ol style="list-style-type: none"><li>Complete planning of distribution system up to 2040 with detailed design, drawing, technical specification (if any), network diagram for existing and proposed -<ul style="list-style-type: none"><li>33/11 KV substation and 11/0.4 KV distribution substation</li><li>Construction/ renovation of 33 KV, 11 KV, 11/0.4 KV overhead line</li><li>33 KV, 11 KV submarine cable line &amp; river crossing route (if required)</li></ul>scope of work of other on-going and upcoming projects, necessary protection schemes, standard guideline, limitation and challenges should be considered.</li><li>Detailed design and drawing for distribution system automation with central monitoring system as well as SCADA integration.</li><li>Preparation of basic design parameters for construction/renovation of substations and distribution lines, installation of river crossing &amp; highway crossing tower based on electrical system parameters and environmental circumstances etc.</li><li>Recommendation with complete design and drawing for construction/ renovation of required civil infrastructure like office/ substation building or other necessary civil works for drainage/security purpose.</li><li>Detailed planning &amp; design of IT infrastructure (with recommendation of necessary IT support/ hardware/ software etc.) for modernization of ICT based virtual office management system.</li><li>Preparation of project implementation schedule including bar chart as per priority list.</li><li>Preparation of plans and strategies to mitigate undesirable barriers, challenges and adverse weather conditions.</li></ol> <p><b>II. Financial and Environmental Analysis :</b></p> <ol style="list-style-type: none"><li>Financial &amp; economic analysis (NPV, BCR, IRR etc.), preparation of BOQ (as per WZPDCL's existing rate schedule) and cost estimation for the proposed project in prescribed format of DPP.</li><li>Financial analysis of revenue due to the load growth and consumer.</li><li>Environmental Impact Assessment &amp; mitigation plan.</li></ol> <p><b>IV. Preparation of Detailed Final Report:</b></p> <ol style="list-style-type: none"><li>Preparation of Detailed final report with necessary drawing &amp; design including technical specification, Procurement plan, cost estimation and BOQ (as per WZPDCL's existing rate schedule) of all necessary materials, priority List, project implementation schedule and methodology in prescribed format based on technical and financial aspects,</li><li>Financial &amp; economic analysis (NPV, BCR, IRR etc.).</li><li>Any other scope felt essential by the consultant for successful completion of the study as</li></ol>



		<p>well as for future scope may be included (if any).</p> <p><b>V. Capacity building of WZPDCL personnel:</b></p> <p>i) For successful implementation of the project as well as sustainable operation of the system, Assessment of WZPDCL's employees capacity and recommendation of detailed capacity building measure like training/workshop including topics, task, methods, objectives, impact, qualification profile etc.</p>						
12.	Experience, Resources Delivery Capacity Required	<ol style="list-style-type: none"> <li>The consultant shall submit <b>audited balance sheets and income statements</b> or, if not required by the law of the applicant's country, other financial statements acceptable to the employer for the last 3 (three) years to demonstrate the current soundness of the applicant's financial position and its prospective long-term profitability.</li> <li>The consultant (partners in case of JV) shall have at least <b>5 years overall experience in the field of electrical consultancy services</b> in Bangladesh Govt. power system utility.</li> <li>The consultant shall have specific experience of satisfactory completion of similar (<b>consulting services for survey of electricity distribution network, load center analysis, overhead electricity distribution line, river crossing route, preparation of DPP &amp; tender document, design, planning, preparation of BOQ/material estimate etc.</b>) 2 (two) contracts over a period during the last 5 (Five) years amounting to minimum BDT 8,00,000.00 (Eight Lac Taka Only) or equivalent. The above experience shall be supported by client's certificate in their letterhead indicating their address, telephone number and details of project, (i.e. name of the project, name of the employers, description of the work, duration and contract amount). Certificates as evidence must be written in English.</li> <li>The consultant shall have requisite number of appropriate <b>key professionals</b> like minimum graduate in Electrical/ Computer Science/Civil Engineers/Financial Experts, Environment Expert, Survey Expert and experienced in the relevant fields (e.g. electricity distribution system analysis, overhead &amp; submarine electricity distribution line, river crossing route analysis, BOQ, DPP &amp; tender document preparation, financial &amp; environmental analysis, civil works, ICT etc.) to carry out the proposed consulting services and shall furnish the list of key professionals and their signed CV with photograph, active mobile no &amp; email address.</li> <li>The firms should be capable of undertaking this assignment and are requested to submit their EOI for the services required under the Scope of Service. The EOI shall be submitted by a firm either individually or in a consortium. If any firm submit EOI individually and again in a consortium, both EOI will be rejected.</li> </ol>						
13.	Other Details	<ol style="list-style-type: none"> <li>Short listing will be made in accordance with the document of EOI &amp; corresponding guideline of PPR 2008.</li> <li>Interested firms shall provide information indicating that they are qualified to perform the service (brochures, description of similar assignments, experience in similar working conditions, availability of appropriate qualification and experience among staff with signed curriculum vitae, list of the technology, database, software &amp; hardware etc. to be used for engineering analysis, financial and managerial capacity should be submitted.)</li> <li>The Expression of Interest (EOI) shall be submitted in 2 (Two) sets (One Original &amp; One Copy) on or before the specified date and time to the office of the undersigned. The proposals /applications will be opened as mentioned in presence of the representatives of the EOI applicant (if any). The Expression of Interest shall be submitted in sealed envelope and clearly marked with name of the assignment to the office of the Inviting official.</li> <li>Any EOI submitted after closing time and date or submitted through telex / fax / mail shall not be entertained.</li> <li>Interested applicants may obtain further information from the undersigned during the office hours (9:00 to 17:00 hours BST).</li> </ol>						
14.	Package no.	<table border="1"> <thead> <tr> <th>Identification of package</th> <th>Location</th> <th>Completion time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>WZPDCL Area.</td> <td>Maximum 3 (Three) months after contact signing.</td> </tr> </tbody> </table>	Identification of package	Location	Completion time	1	WZPDCL Area.	Maximum 3 (Three) months after contact signing.
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1	WZPDCL Area.	Maximum 3 (Three) months after contact signing.						
15.	Name, Designation, Address and Contact Details of Official Inviting Expressions of Interest (EOI)	<p>Engr. Md. Mustafizur Rahman, Chief Engineer (ESC&amp;S), Office of the Chief Engineer (ESC&amp;S), WZPDCL, Bidyut Bhaban, 35 Boyra Main Road, Khulna-9000, Bangladesh, Tel: 041-730484, Mobile: 01713-850211, e-mail: <a href="mailto:wzce.escs@gmail.com">wzce.escs@gmail.com</a></p>						
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(Engr. Md. Mustafizur Rahman)  
 Chief Engineer (ESC&S)  
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**Copy (Not in seniority):**

1. Managing Director, WZPDCL, Khulna – For kind information.
2. Executive Director, Engineering / Finance, WZPDCL, Khulna.
3. Deputy General Manager (Accounts), WZPDCL, Khulna.
4. Manager (Procurement), WZPDCL, Khulna.
5. Executive Engineer (MIS), WZPDCL, Khulna -Please publish the notice in the WZPDCL website.
6. Executive Engineer (Technical) WZPDCL, Khulna.
7. Notice Board