



পাওয়ার গ্রিড কোম্পানি অফ বাংলাদেশ লি:
POWER GRID COMPANY OF BANGLADESH LTD.

(An Enterprise of Bangladesh Power Development Board)



Memo. No. 27.21.0000.101.07.055.23.357

Date: June 13, 2023

**Consultancy Service for "Transmission Grid Network Expansion for Rural Electrification (TGNERE)" Project
Request for Expression of Interest (EOI)**

Ref. No.: 27.21.0000.101.07.055.23.345; Date: June 06, 2023.

Addendum-1

With reference to the above, an addendum against the above REoI is hereby issued. This addendum attached herewith will form part of the ToR.

All other terms and conditions for the above REoI shall remain unaltered.

Enclosures: Addendum-1.

Thanking you.


13/06/2023

(A.K.M Gause Mohiuddin Ahmed)
Chief Engineer (Project Monitoring)

Request for Expression of Interest (EOI)

For

Procurement of

Consultancy Service for “Transmission Grid Network Expansion for Rural Electrification (TGNERE)” Project

[No. 27.21.0000.101.07.055.23.345; Date: June 06, 2023]

Addendum 01

Changes in ToR

Position	As in ToR	Revised version
Page:06 Section: 3.7	Electrical Works ▪ Protection, control, and metering drawings shall be developed and shall indicate types of protection, zones of protection and timing requirements, re-closing requirements, signaling and communications requirements, schematic drawings showing the equipment protection to be provided, etc. ▪ Panel arrangements in the control room and extensions to the room, electrical auxiliaries, DC batteries or extensions of DC battery banks, etc. ▪ Provision of necessary RTUs to allow integration of the substations into PGCB's remote control system	Omitted
Page:06 Section: 3.7	Communications and SCADA Communication and SCADA systems shall be provided for the new substations that shall have proper compatibility with the NLDC. Amongst others, the required signaling facilities, data transmission and communication channel requirements, telephone systems, and SCADA facilities shall be considered. Fiber Optical Communication System based on Optical Ground Wire (OPGW) on the new transmission lines shall be considered. Concerning the extension of existing substations, the Consultant shall review the existing communication and SCADA system and if found adequate, extend the existing system to cover the new equipment. PLC	Omitted

	extension may be more advantageous for the extension of existing substation systems. In any case, the data transmission shall consider the requirements for the integration of the new or extended network components into the PGCB's NLDC. System compatibility and a description of all control integration work into the NLDC shall be addressed by the Consultant to safeguard the functionality and compatibility with the existing PGCB systems on transmission networks.									
Page:06 Section: 3.7	Civil, structural, and architectural works Preliminary and tentative layout drawings shall be prepared for all civil, structural engineering, and architectural works and equipment including site improvements, access roads, fencing, drainage, grading, water supply, sewage, and waste disposal, and equipment foundations for the substation extensions and proposed new substations. If it is deemed necessary, for an extension of the control building or/and room in the existing substations, the Consultant shall prepare the design and drawings for the extension works.	Civil, structural, and architectural works Preliminary and tentative layout drawings shall be prepared for all site improvements, access roads, fencing, drainage, grading, water supply, sewage, and waste disposal, and equipment foundations for the substation extensions and proposed new substations. If it is deemed necessary, for an extension of the control building or/and room in the existing substations, the Consultant shall prepare the layout drawing for the extension works.								
Page: 16, Section: 08	Expertise requirement <table> <tr> <th rowspan="2">Position</th><th colspan="2">Minimum Experience</th></tr> <tr> <th>As in ToR</th><th>Revised version</th></tr> <tr> <td>Team Leader/ Project Manager</td><td> Team Leader shall at least have twenty (20) years of professional experience in the related field. Must have experience in a multidisciplinary team conducting Feasibility Studies, Topographic surveys, Route Survey, IEE/ESIA & RP in power sector projects. Experience in leading a consultants' team as Project Manager or Deputy Project Manager: 5 projects (at least two as PM) with at least two (2) projects outside home country. Experience working in ADB-funded Projects and familiarity with ADB's latest policies is desirable. </td><td> Team Leader shall at least have twenty (20) years of professional experience in the related field. Must have experience in a multidisciplinary team conducting Feasibility Studies, Topographic surveys, Route Survey, IEE/ESIA & RP in power sector projects. Experience in leading a consultants' team as Project Manager or Deputy Project Manager: 5 projects (at least two as PM). Experience working in ADB-funded Projects and familiarity with ADB's latest policies is desirable. Excellent knowledge of English language for coordination and technical report writing skills; </td></tr> </table>		Position	Minimum Experience		As in ToR	Revised version	Team Leader/ Project Manager	Team Leader shall at least have twenty (20) years of professional experience in the related field. Must have experience in a multidisciplinary team conducting Feasibility Studies, Topographic surveys, Route Survey, IEE/ESIA & RP in power sector projects. Experience in leading a consultants' team as Project Manager or Deputy Project Manager: 5 projects (at least two as PM) with at least two (2) projects outside home country. Experience working in ADB-funded Projects and familiarity with ADB's latest policies is desirable.	Team Leader shall at least have twenty (20) years of professional experience in the related field. Must have experience in a multidisciplinary team conducting Feasibility Studies, Topographic surveys, Route Survey, IEE/ESIA & RP in power sector projects. Experience in leading a consultants' team as Project Manager or Deputy Project Manager: 5 projects (at least two as PM). Experience working in ADB-funded Projects and familiarity with ADB's latest policies is desirable. Excellent knowledge of English language for coordination and technical report writing skills;
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	Sub-station Engineer	Must have at least 10 years of experience in the relevant field out of which at least five (5) years of experience as a consultant engineer for 132kV or above voltage GIS and AIS substation designing and implementation projects and at least 03(three) projects experience to work as a consultant engineer for the high voltage substation designing project outside home country. Should be fluent in the English language for day-to-day communication.	Must have at least 10 years of experience in the relevant field out of which at least five (5) years of experience as a consultant engineer for 132kV or above voltage GIS and AIS substation designing and implementation projects and at least 03(three) projects experience to work as a consultant engineer for the high voltage substation designing project. Should be fluent in the English language for day-to-day communication.
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	Transmission Line Engineer	Must have at least 10 years of experience in the relevant field out of which at least five (5) years of experience as a consultant engineer for 132kV or above voltage transmission line designing and implementation projects and at least 03(three) projects experience as a consultant engineer for transmission line designing and implementation project outside home country. Should be fluent in the English language for day-to-day communication.	Must have at least 10 years of experience in the relevant field out of which at least five (5) years of experience as a consultant engineer for 132kV or above voltage transmission line designing and implementation projects and at least 03(three) projects experience as a consultant engineer for transmission line designing and implementation project. Should be fluent in the English language for day-to-day communication.
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		voltage transmission line designing and implementation projects. Should be fluent in the English language for day-to-day communication.	
	Civil Engineer (Transmission Line & Substation)	He must have at least 10 years of experience in the relevant field out of which at least five (5) years of experience as a consultant engineer for designing and implementing 132kV or above voltage transmission line & substation projects and at least two (2) projects experience as a consultant engineer for transmission line & substation project outside home country. Should be fluent in the English language for day-to-day communication.	He must have at least 10 years of experience in the relevant field out of which at least five (5) years of experience as a consultant engineer for designing and implementing 132kV or above voltage transmission line & substation projects and at least two (2) projects experience as a consultant engineer for transmission line & substation project. Should be fluent in the English language for day-to-day communication.
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	Route Survey Expert	10 years of total Experience in conducting Route surveys, land surveys, and GIS Mapping. He/She shall have practical experience in conducting route surveys of at least 3 no's Projects (Minimum 500 km) of 132 kV and above High Voltage transmission system. Must have good communication skills, acquainted with the technical terminology of the survey.	10 years of total Experience in conducting Route surveys, land surveys, and GIS Mapping. He/She shall have practical experience in conducting route surveys of at least 3 no's Projects (Minimum 100 km) of 132 kV and above High Voltage transmission system. Must have good communication skills, acquainted with the technical terminology of the survey.
	Biodiversity Expert	He/ She must have a Master's Degree in Biology/ Zoology/ Botany/Ecology with more than 05 years of professional experience in works related to biodiversity studies in Transmission Line Projects.	He/ She must have a Master's Degree in Biology/ Zoology/ Botany/Ecology with more than 05 years of professional experience in works related to biodiversity studies preferably in Transmission Line Projects.

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