

## GUJRANWALA ELECTRIC POWER COMPANY GEPCO

# REQUEST FOR PROPOSALS (ICB-RFP-03)

HIRING OF CONSULTANCY SERVICES FOR SURVEY, PREPARATION OF CONCEPT DESIGN AND BIDDING DOCUMENTS, IMPLEMENTATION SUPERVISION AND HANDING OVER OF THE PROJECT FOR A MODERN AND STATE OF ART LOAD DISPATCH CENTER, SCADA/DMS AND COMMUNICATION NETWORK FOR GEPCO 132/11.5 KV, DISTRIBUTION NETWORK.

**Gujranwala Electric Power Company (GEPCO)** is an Electric Distribution company which supplies electricity to 06 Districts of the Province Punjab namely Sialkot, Narowal, Gujranwala, Gujrat, Hafizabad and Mandi Bahaud-din. GEPCO network comprises of 60 No. of 132/11.5-kV Grid stations and 934 No. 11kV Feeders. The network operations/rehabilitation are performed through 05 No. Operation Circles, 02 No. Construction Circles, 01 No. M&T Circle & 01 No. GSO Circle.

For reliable Power supply to its consumers, GEPCO invites proposals for hiring of Consultancy Services for Survey, Preparation of detailed design and Bidding Documents to establish a SCADA/DMS Network, Implementation Supervision, taking and handing over of SCADA system for new and existing 132/11.5 KV Distribution Sub-Stations upto 11kV/0.4kV Distribution system.

#### 1. OBJECTIVE OF THE PROJECT

The project will implement digital technologies for:

- Automatic fault location, isolation and service restoration.
- Optimal network reconfiguration (ONR) at the substation and feeder level.
- · Improve service reliability by reducing outage frequency and duration time
- · Reduce electricity losses.
- Power & Distribution transformer monitoring
- To implement substation automation for remotely controllable and implement functionalities from the control center.
- · To Integrate the AMI and GIS systems.
- A redundant communication infrastructure will be put in place to continuously assure the service reliability.

## 2. SCOPE OF THE PROJECT

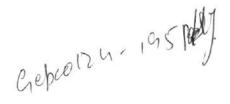
The scope of the Project will be as follows:

- Modern Load dispatch center with required Data, Application and Engineering servers, HMI, Display board and ancillary systems.
- SCADA/DMS System covering 132/11.5KV Network.
- Substation/network adaptation work, including RTU, MDF and transducers etc.
- Feeder Automation.
- Power & Distribution Transformer monitoring.
- · Redundant Telecommunication Network.

### 3. SCOPE OF CONSULTING FIRM

The scope of Consulting firm will be as follows:

- · Survey of Existing Network under GEPCO's jurisdiction.
- Preparation of road-map for future extensions and applications.
- Preparation of Bid Documents for implementation of above mentioned scope of the Project.
- · Clarifying bidder's queries during bidding stage.
- · Verifying contractors design and Modifications.



- · Post contract Design Review phase.
- Construction/implementation Supervision
- Transfer of Technology and Training
- 4. The GEPCO invites sealed cover bids through <u>International Competitive bidding</u> on the basis of Single-Stage Two envelope procedure from eligible consultants to indicate their interest in providing the services. The Consultant / joint ventures registered with Pakistan Engineering Council having minimum ten (10) years of similar consultancy experience in implementation of SCADA system in Power sector as a consultant may apply with complete and comprehensive details.
- The RFP will be available at the office of Chief Engineer (Development) PMU, 565-A Model town GEPCO Headquarter Gujranwala up to 18.05.2022 on payment of Rs. 10,000/- (Rupees Ten Thousand Only) (Non-Refundable).
- 6. The technical and financial proposal along-with all informations as per RFP documents are to be submitted (one original and two copies) in sealed cover by 10:30Hrs dated: 19.05.2022. The technical proposal shall be opened by the committee on 19.05.2022 at 11:00Hrs in the presence of bidders / the representative who wish to be present. The date of opening of financial proposals shall be communicated to the technically successful bidders accordingly.

**7.** Bids received after the prescribed time and date shall be rejected. GEPCO reserves the rights to accept or reject any / all applications at any stage without assigning any reason thereof.

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