



## 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.

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- Post contract Design Review phase.
  - Construction/implementation Supervision
  - Transfer of Technology and Training
4. The GEPCO invites sealed cover bids through International Competitive bidding 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.
  5. 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.

  
**Chief Engineer (Development) PMU**  
**GEPCO, Gujranwala**

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