

SCOPE OF WORK AND BIDDER'S QUALIFYING REQUIREMENTS

BIDDER'S QUALIFYING REQUIREMENTS:

TECHNICAL EXPERIENCE:

Bidder should satisfy following criteria: -

- a) The bidder should be original equipment manufacturer (OEM) of Gateway, SCADA and Substation Automation System (SAS) or JV/consortium.

[Experience criteria of parent company can be applicable to its own Indian subsidiary].

AND

- b) The bidder should be the SAS software developer, system provider who has all tools, in house testing facilities, design, required infrastructure for implementation and maintenance of Substation Automation System & all related activities.

AND

- c) The Bidder shall have its own state-of-the-art SCADA, based on industry recognized open systems standards of:

1. System Architecture
2. Operating System
3. Relational Database
4. User Interface

AND

- d) The bidder shall have previous experience in the Design, Engineering, Manufacturing, Supply, Installation, Testing and Commissioning of at least two SCADA systems in India or international for power transmission system of 132 kV and above, and also meeting the following:

1. The project should consist of at least 10 EHV Substation (132 kV and above) with functions such as:
 - SCADA Software supporting real time data acquisition & control calculation, alarm, tagging, trending, Sequence of Events (SOE).
 - Data exchange on Inter-control Centre Communications Protocol (ICCP).
 - Software functional redundancy for SAS, SCADA function.

(Copy of order in support and certificate from authority not less than Executive Engineer & equivalent about satisfactory SITC and details of project shall be attached in support)

2. The Similar function Control center established by the bidder or its principal manufacturer should be in satisfactory service at least for the last 12 months as on the date of tender opening and have system availability more than 95% with single outage, on account of software/ hardware/ critical equipment failure, not more than four (4) hours in previous calendar year and should attach certificate in support of it.



(Certificate of availability of control center issued by authority not below the rank of Executive Engineer or equivalent)

AND

- e) The bidder should have manufacturing facility of IEC61850 compliant SAS, SCADA and after sales service facility in India.

AND

- f) The bidder should have proven expertise in integrating of both IEC 61850 compliant and non IEC 61850 multi-vendor protection relays / IEDs in an Automation and Remote Accessibility System.

AND

- g) The bidder shall be able to provide all required system support & services for maintaining the SCADA/ SAS commissioned at control centers after commissioning for a period of minimum 7 years. An undertaking in this regard is to be submitted by bidder which will be converted in Service line agreement (SLA) in case of successful bidder. The bidder shall ensure software/application compatibility with hardware and latest operating system. Version upgrades/ patch upgrades/ bug fixes shall be undertaken to ensure compatibility with hardware and latest operating system for a minimum period of 10 years.

FINANCIAL EXPERIENCE:

(a) Average Annual Turnover: INR 270 Million

(b) Contracts of similar Size and Nature:

Participation in at least :

One contract of value 160 MINR or equivalent USD each,

or

Two Contracts of value 100 MINR or equivalent USD each,

or

Three Contracts of value 80 MINR or equivalent USD each

that have been successfully or substantially completed within the last Seven (7) years and that are similar to the proposed contract. The similarity of the Bidder's participation shall be based on the physical size, nature of works, complexity, methods, technology or other characteristics as described in Section -1 (Technical Specification, Vol-II).

SCOPE OF WORK:

“Supply, Installation, Testing and Commissioning of Joint Control Centre (Main and Back Up) for remote operation and control of various substations of HPPTCL on Turnkey Basis (Complete Package)”.

The Main control centre is proposed to be installed at Kuniyar, Distt. Solan and backup control centre at Paonta Sahib Distt. Sirmour in existing building by making suitable additions /alterations.

