

SECTION - I

INVITATION FOR BIDS (IFB)

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DATE OF ISSUANCE OF IFB : 4th January 2012
SPECIFICATION NO. : NRLDC/C&M/SL-II/PMU-Pilot/2011-12/591
FUNDING : DOMESTIC

- 1.0 This Invitation for Bids follows the procurement notice (Notice Inviting Tender) for the subject package which appeared in National and Regional Newspapers on 04.01.2012. This shall also be available on NRLDC's website given at para 11.0 below on the same date.
- 2.0 Power System Operation Corporation Limited (POSOCO) (A wholly owned subsidiary of POWERGRID) incorporated under the Companies Act, 1956, having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110 016 (hereinafter referred to as 'POSOCO' / 'Owner') has decided to set up, as an Owner, "[Phase-II of PMU Pilot Project of Northern Region](#)".
- 2.1 The procurement activities in respect of the aforesaid Project shall be carried out by the Owner himself and it intend to use domestic funding for eligible payments under the contract for the package(s) as mentioned above. For the purpose of all procurement activities, the Owner shall also be referred to as 'Employer'.
- 3.0 POSOCO, therefore, invites sealed bids from eligible bidders for the work as mentioned in para 2.0 on Domestic Competitive Bidding basis.

This Invitation for Bids extended through media, website or written communication or by any other means and issuance of Bidding Documents as per para 7.0 below shall not be construed to mean that the prospective bidders to whom the Invitation for Bids has been extended and/or Bidding Documents have been issued is deemed to be an eligible bidder. The eligibility of the bidders shall be determined as per the provisions of Bidding Documents.

- 3.1 The scope of work covered under Phase-II of PMU Pilot Project of Northern Region Package includes overall Project Management having Survey, Planning, Design, Engineering, Documentation, Integration, Supply, Delivery to site, Unloading, Insurance, Storing, Handling, transportation to final locations, Installation, Termination, Testing, Demonstration for acceptance, and Commissioning including overall Project Management of following:

- a) Supply and Installation of PMU, PDC, computer hardware and software along with associated items at respective locations. The new system shall be deployed in such a way that the operation of the existing system should not be disturbed.
- b) Integration of existing PDC installed at NRLDC and SRLDC with the PDC being supplied and installed under the subject package.
- c) All necessary protocol emulations required to integrate the existing PDCs without affecting the data at the existing Control center .
- d) Development of complete Database including the power system database by building new database and integrating all existing database of Owner.
- e) Data Exchange with existing PDC either on ICCP or IEC 60870-5-101/104 Protocol and Integration of State Estimates with PMU Data received from PDC (Hybrid State Estimator).The Energy Management system application should have the capability based on Phasor data based state measurement.
- f) Preparation of all the Displays and Reports including the displays and reports to be accessed from web-server. The text available in displays shall have both English and Hindi Language.
- g) Supply of Spares identified under AMC along with main items to meet the contingency during installation period.
- h) All cabling, wiring, and interconnections to the equipment being supplied and integrated including communication equipment.
- i) System integration of all the supplied equipment and existing system
- j) Additional Hardware, software and services necessary to ensure compatibility with existing equipment
- k) Auditing of Cyber Security implementation by CERT-In listed Auditors during FAT, SAT and as per Part A, section 4.
- l) Training Owner personnel.
- m) Comprehensive Maintenance of the supplied and commissioned system as per specification.

The above scope of work is indicative and the detailed scope of work is given in the Technical Specification (Volume-II) of the Bidding Documents.

- 3.2 The completion period for the work shall be the period as specified in ITB Sub-Clause 35.3 (b).
- 3.3 Bidding will be conducted through the domestic competitive bidding procedures as per the provisions of ITB/BDS and the contract shall be executed as per the provisions of the Contract. Bidders may note that the Employer shall use POWERGRID's 'Works and Procurement Policy and Procedures' (WPPP) document which is available at POWERGRID's website (www.powergridindia.com).

It shall be noted that no other party, including the Bidder/Contractor, shall derive any right from this 'Works and Procurement Policy and Procedures' (WPPP) document or have any claim on the Employer on the basis of the same. The respective rights of the Employer and the Bidder/Contractor shall be governed by the Bidding Documents/Contract signed between the Employer and the Contractor for the respective packages. The provisions of the Bidding Documents shall always prevail over that of 'Works and Procurement Policy and Procedures' (WPPP) document in case of contradiction.

- 4.0 The detailed Qualifying Requirements (QR) are given in appendix A of BDS.
- 5.0 The complete Bidding Documents including tender drawings (if, any) are available at NRLDC's website www.nrldc.org and www.nrldc.in. Interested bidders can download the Bidding Documents and commence preparation of bids to gain time.
- 6.0 Interested eligible bidders may obtain further information from and inspect the Bidding Documents at the office of Manager (C&M), NRLDC, POSOCO at the address given at para 11.0 below from 1500 hours (IST) to 1700 hours (IST) on all working days till the sale of Bidding Documents is open as per para 7.0 below.
- 7.0 Interested Bidders will be required to purchase the Bidding Documents from NRLDC, (for submission of the bid), which will be duly authenticated by the executive issuing the documents. In such case, a complete set of Bidding Documents in English may be purchased by interested Bidder or Bidder's authorised representative on the submission of a written application to the address below and upon payment of a nonrefundable fee of **INR 5,000/-** in the form of demand draft in favor of Power System Operation Corporation Ltd., payable at New Delhi on all working days up to **17.02.2012** between 1500 hours (IST) to 1700 hours (IST). The Employer shall not be responsible for any postal delay in respect of request for issuance of Bidding Documents and/or despatch of Bidding Documents and/or submission of bids.

In case of any discrepancy between the documents downloaded by the prospective bidder and the Bidding Documents (hard copy) issued by NRLDC official, the latter shall prevail.

The Bidding Documents are meant for the exclusive purpose of bidding against this specification and shall not be transferred to any other party or reproduced or used otherwise for any purpose other than for which they are specifically issued.

- 8.0 A "Single Stage Two Envelops" bidding procedure will be adopted and will proceed as detailed in the Bidding Documents.
- 9.0 Bids must be delivered to the address below at or before 1100 hours (IST) on **24.02.2012**. Bids in first envelop will be opened in the presence of the bidders'

representatives who choose to attend in person at the address below at 1130 hours (IST) on 24.02.2012. Bids in the second envelop will be opened in the presence of the bidders' representatives who choose to attend at the time and date which shall be intimated to the bidders who are qualified based on the bids contain in first envelop. Electronic bidding *will not* be permitted. Late bids will be rejected.

- 9.1 Bids in first envelop not accompanied with Integrity Pact in accordance with Clause 9.3(l) of ITB, in separate envelope shall not be entertained and shall be returned to the Bidder unopened.
- 9.2 All Bids must be accompanied with a bid security of **Rs. 4,00,000/-**.
- 9.3 Bids not accompanied with valid Bid Security in accordance with Clause 24 of ITB, in separate envelope shall not be entertained and shall be returned to the Bidder without being opened.
- 10.0 POSOCO reserves the right to cancel/withdraw this invitation for bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.
- 11.0 All correspondence with regard to the above shall be to the following address.
(By Post/In Person)

Chief Manager/Manager (C&M),
Northern Regional Load despatch Centre
Power System Operation Corporation Limited,
18-A,SJSS Marg Katwariasarai, New Delhi 110016.
Telephone Nos.:- (Direct) 0091-(0)11-26515943
(Thru Board) 0091-(0)11-26854861,26854015 Extn. 114/129
Fax Nos.:- 0091-(0)11-26852747, 26968280
For more information on NRLDC, POSOCO, visit our site at
<http://www.nrlc.org> <http://www.nrlc.in>

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