

SOUTH BIHAR POWER DISTRIBUTION COMPANY LIMITED: PATNA
(A SUCCESSOR COMPANY OF BIHAR STATE ELECTRICITY BOARD)

Expression of interest

SBPDCL seeks Expression of Interest (EoI) from reputed bonafide Firms having requisite experience in design, engineering, manufacture, assembly, stage testing, inspection, installation and maintenance of prepaid metering system etc. with a view to shortlist the eligible and prospective Firms qualified to take up the assignment to undertake the work of supply, installation & maintenance for five years including vending system of prepaid meters for Single Phase(Two wire systems of LT single phase) Three phase (four wire LT three phase) in PESU as Pilot town. The estimated installation & maintenance for five years including vending system of single phase prepaid metering system is 3000 nos & three phase prepaid metering system is 3000nos.

Based on the learning and experiences, decision will be taken and incorporated during the full roll-out of the prepaid metering system, post incorporation of changes/suggestions if any.

The proposed system architecture of prepaid metering shall comprise of four component:-

1. Meter
2. Consumer interface unit with required cable
3. Vending station
4. Operation and maintenance for five years

The intending applicants should submit their applications in sealed envelope super scribing “Expression of Interest for supply, installation and maintenance of Single and Three Phase Pre-paid static Energy Meters for a period of 5 years” to Office of the **Chief Engineer (Commercial), South Bihar Power Distribution Company Limited, Patna -800001** on or before 3.00 pm on 16th August 2013 supported by relevant documents to ascertain the technical experience and the financial ability to take up the job. The necessary information in this regard can be downloaded from portal www.bshpcl.nic.in /www.sbpdcl.in

After presentation , supply/ installation and maintenance methodology and other modalities along with the closer period will be finalized by SBPDCL and technical and financial bid will be invited subsequently from interested eligible parties through portal www.bshpcl.nic.in & www.sbpdcl.in. The necessary information in this regard shall also be published in the leading news papers as per prevailing practices of SBPDCL.

Participating agency(bidder/firms) submitting healthy and technically feasible proposal will only be given opportunity for presentation before management of SBPDCL Vidhut Bhawan, Baily Road,Patna, However undersigned reserves right to reject any or all the EOIs received without assigning any reason there off. Further detail can be seen on website of SBPDCL Patna ie. -www.bshpcl.nic.in /www.sbpdcl.in.

For complaints regarding corruption Vigilance Help Line No.- 9431821485, 0612-2504969. Consumer can deposit electricity bills via Sahaz Vasudha Centre or via bsebbills.org .

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Chief Engineer(Commercial)-SBPDCL

Notice Inviting Expression of Interest (Eoi) for Pre-Qualification for Supply, Installation and Maintenance for Single and Three Phases Pre-Paid static Energy Meters for 5 years

1. Background of the utility:

SBPDCL seeks Expression of Interest (Eoi) from reputed bonafide Firms having requisite experience in design, engineering, manufacture, assembly, stage testing, inspection, installation and maintenance of prepaid metering system etc. with a view to shortlist the eligible and prospective Firms qualified to take up the assignment to undertake the work of supply, installation & maintenance for five years including vending system of prepaid meters for Single Phase(Two wire systems of LT single phase) Three phase (four wire LT three phase) in PESU as Pilot town. The estimated installation & maintenance for five years including vending system of single phase prepaid metering system is 3000 nos & three phase prepaid metering system is 3000nos.

Based on the learning and experiences, decision will be taken and incorporated during the full roll-out of the prepaid metering system, post incorporation of changes/suggestions if any.

The proposed system architecture of prepaid metering shall comprise of four component:-

1. Meter
2. Consumer interface unit with required cable
3. Vending station
4. Operation and maintenance for five years

2. Scope of Work:

- 1.1 This Expression of Interest (Eoi) intends to the supply, installation and maintenance of Single and Three Phase Pre-paid static Energy Meters for a period of 5 years. The bidder shall explain the detailed methodology of take over procedure of;

Supply of meters:

Supply of Three Phase Pre-paid Static Energy Meters

Supply of Single Phase Pre-paid Static Energy Meters

Installation of meters:

Installation of Three Phase Pre-paid Static Energy Meters

Installation of Single Phase Pre-paid Static Energy Meters

Maintenance of meters (including vending system)

Maintenance of the pre-paid metering system for a period of 5 years from the date of successful installation.

Co-ordination With Utility For Resolution of Implementation Issues/Queries

The supplier shall assist SBPDCL for resolving any project implementation and maintenance issues post completion of implementation.

- 1.2 The estimated consumers of single phase prepaid system are 3000 nos and Three phase metering system are 3000 across all divisions.
- 1.3 On account of high set-up cost, risks associated with new technology and to get a first-hand experience of prepaid metering system, proposed prepaid metering shall be first implemented on Pilot basis in one sub-division in a circle (Exact locational details shall be intimated subsequently after allotment of work) for 250 connections of single phase and

three phase in first two months. The pilot implementation time would be 2 months from the date of award of contract.

- 1.4 The implementation of prepaid system for above 250 connections (single and three phase) shall be closely monitored for all the applicable categories of consumers. Based on the learning and experiences from the pilot decision can be taken and incorporated during the full roll-out of the prepaid metering system, post incorporation of changes/suggestions if any.
- 1.5 The evaluation of the pilot will be done for a period of 1 month to give sufficient time to the vendor for cover-up of initial brocades that may occur in implementation of a new technology.
- 1.6 Based on the success of the pilot project, a go-ahead shall be given to the vendor for complete roll-out of the prepaid metering project for the envisaged categories of consumers in entire operational jurisdiction of PESU.
- 1.7 The Vendor shall maintain the prepaid metering system for a period of 5 years from the date of successful installation and commissioning of the prepaid metering system.
- 1.8 Performing periodic checks on sample field prepaid meters and other associated field infrastructure; in case of foreign bidders, they should either camp their own maintenance team at the project site or engage the local contractors to ensure that the operation and maintenance activities are handled all the time in an efficient manner
- 1.9 Periodic testing and necessary upgrading of the BCS software and hardware;
- 1.10 Timely responding and attending to various operational queries and troubleshooting of teething problems and system malfunctioning;
- 1.11 The periodicity of checks and timelines shall be finalized with the supplier before initiating the project.
- 1.12 Bidders will have to clarify the requirement of the space at various collection centres of PESU.
- 1.13 It is expected that the said scope of work will be carried out by a team of suitably qualified persons with prior experience in supply, installation and maintenance of pre-paid utility metering system.
- 1.14 Bidders are required to propose the approach and methodology to undertake the project along with the manpower deployment plan required for demonstrating the scope of work till the period of 5 years.
- 1.15 Bidder should ensure that the prepaid metering system installed should be inter-operable among different makes of meters. Bidder shall explain the approach & methodology to meet this objective.
- 1.16 The Prepaid metering application shall provide the functionality to configure the parameters to define the SBPDCL's business rules with the application. These parameters shall not be hard-coded in the application.
- 1.17 Bidder shall explain the architecture to be used for prepaid metering system in their Expression of Interest. The vending software for the metering system shall be preferably based on web based architecture. However, bidder shall explain its own technology in detailed along with various Scenarios.

- 1.18 The meter must have the feature of inter operability / inter portability at vending end. The software version shall be supported by the software vendor for a minimum period of next five years.
- 1.19 The prepaid metering solution shall be integrated with SBPDCL's billing solutions, SBPDCL website & payment gateway.
- 1.20 South Bihar Power Distribution Company Ltd now invites eligible bidders to indicate their interest to supply, install and provide maintenance services for single and three phase static pre-paid Energy meters. Interested bidders must provide the following information indicating that they are qualified to provide the Services:
- *Technological architecture to be deployed for the pre-paid metering system including inter-operability and inter-portability for different meter makes, vending mechanism etc.*
 - *Past Experience of description of similar assignments with completion certificates.*
 - *Availability of appropriate qualification & skills among staff.*
 - *Brief about the plan for maintenance services for the pre-paid metering system for a period of 5 years.*

Time Frame for completion of the Assignment:

The overall timeframe for installation of work shall be six months including phase of pilot project. Any delay in completion shall attract penalty as per accepted techno-commercial terms and conditions.

Qualifying Requirement:

- i. The bidder Should have completed manufacturing and the order for supply of 5 lacs Nos. Energy Meter during last five years.
- ii. Tenderers should have valid BIS license on the due date & should remain valid till contractual period.
 - a) Experience under contracts in the role of contractor, management contractor or subcontractor for at least 5 years with prior experience in field of Electricity meter supply & installation.
- iii. The bidder must provide evidence of prior experience in the supply, installation, commissioning and operation and maintenance of Prepaid Metering System for electricity distribution companies, as per details noted below;
 - a) *Experience (own or through sub-contractors) in the installation at customers' premises and commissioning of at least 1000 Prepaid meters in last 5 years. Proof of Experience-Completion Certificate on Client letter-head (System should be running successfully for the last six months at least).*
- iv. The Firm should have adequate financial stability and status to meet the financial obligation pursuant to the scope of the work. The Bidder should provide the financial details of Annual Turnover, Liquidated Asset for previous three financial years i.e. FY10-11, FY11-12 and FY12-13.

Methodology of Pre-qualification:

- 1.21 The pre-qualifying criteria of the bidders will be examined based on the documents submitted and shall be short-listed considering experience and the financial resource.
- 1.22 The short-listed bidders will be called for discussion/presentation, at a suitable date to be intimated later on, wherein the techno-commercial terms and conditions for execution of the assignment shall be finalized. The techno-commercial terms, as agreed upon at the end of the discussion, shall be tabulated in a standard format, which shall be signed by the bidders or their authorized representatives as an authentication of their acceptance. No deviation at a later stage on the accepted techno-commercial terms and conditions shall be entertained by SBPDCL
- 1.23 The pre-qualified bidders shall be intimated through "Invitation to Tenders (INT)" to collect the "Bid Documents" for submission of Price Bid observing formalities spelt out in the INB.
- 1.24 SBPDCL reserves the right to verify the applicant's credibility to perform similar type of work and also reserves the right to reject any or all the applications without assigning any reasons whatsoever.

Submission of Bids for Pre-qualification:

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- List of similar job handled along with copy of the orders and experience certificate
- Copy of profit and loss account and balance sheet for the last three (3) years.
- Manpower strength of the Firm and CVs of the key personnel to be employed for the project, their qualification, experience, etc.
- Detailed write up in respect of the architecture, technology adopted along with approach and methodology to complete the project in given time frame covering all points of scope of work given above.

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Chief Engineer(Commercial)-SBPDCL