



ENERGY EFFICIENCY SERVICES LIMITED

(A JV of PSUs of Ministry of Power, Govt. of India)

A-13, IWAI Building, 4th & 5th Floors, Sector-1,

NOIDA - 201 301.

CONTRACTS DEPARTMENT

INVITATION FOR EXPRESSION OF INVITATION EOI

For

“Notice (Expression of Interest) for the Pre-Qualification of Local/ Overseas Competent Pre-Paid Meter Manufacturer to supply over 10 million LT Single Phase Pre-paid metering solutions (5-30 Amps)” on International Competitive Bidding (ICB) basis0”

EOI No.: EESL/06/EOI-ICB-Smart Meters- Single Phase-UP/171810052 dated 27.10.2017.

EOI DETAILS

Period during which the EOI document will be available on website www.eeslindia.org	From 27.10.2017 to 10.11.2017 (1400 hrs. IST)
Closing date and time for receipt of EOI	10.11.2017 (upto 1430 hrs. IST)
Time and date of opening of EOI	On 10.11.2017 (at 1500 hrs. IST)
Contact Person(s) for Technical Queries from EESL <i>(copy of the query to be marked to Contracts Dept. as well)</i>	Mr. Ajay Sharma, DGM (Tech.)/ Ms. Mayuri Chaukhande, AM (Technical) Energy Efficiency Services Ltd. Tel.: 0120-4908000. E-mail: asharma1@eesl.co.in ; mchaukhande@eesl.co.in
Contact Person(s) for Tender-related Queries	Mr. Birendra Kumar Singh, Dy. Manager (Contracts)/ Mr. Kumar Saurabh, DGM (T & C)/ Mr. Rajneesh Rana, Addl. GM (Contracts & BD). Energy Efficiency Services Ltd. Tel.: 0120-4040836/15/16 E-mail: eproc@eesl.co.in
RfP to be addressed to & Place of receipt of EOI	AGM (C & BD), Energy Efficiency Services Limited, C/o Projects & Development India Ltd., PDIL Bhawan, 1 st Floor, A-14, Sector-1, NOIDA-201 301, Distt. Gautam Budh Nagar, U.P.
EOT through E-mail	Bidder may also submit their EOI through e-mail at following e-mail addresses before the last date & time for receipt of EOI: asharma1@eesl.co.in ; mchaukhande@eesl.co.in ; eproc@eesl.co.in

Expression of Interest

Notice for the Pre-Qualification of Local/Overseas Competent Pre-Paid Meter Manufacturer to supply over 10 million LT Single-phase Pre-paid metering solutions (5-30Amp)

Expressions of Interest are invited from reputed meter manufactures from anywhere in the world having a strong R&D facility and state-of-the art production facilities with adequate experience in supplying Pre-paid meter solutions.

The prospective Project Partners should have the capacity to supply at least 5 M meters in a year and may be called for a presentation on their capability to execute these projects along with a detailed supply plan.

To be eligible for prequalification for EOI, the Applicant should be a reputed manufacturer of Prepaid Energy Metering Solution and should have satisfactory production facility.

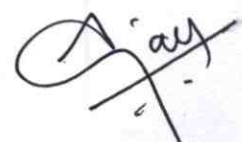
The Applicant/ Manufacturer (s) / shall have:

- Satisfactory production capabilities wrt envisaged quantity under this work.
- Supply of at least 50,000 nos. Prepaid Meters during last 3 (**three**) years, of which 25,000 nos. Prepaid Meters in a single contract
- Satisfactory performance certificate from the End User (must be a Power company / Utility of electricity) with at least 2(**two**) contracts of "Design, Manufacture and Supply of Pre-Paid Meter" at least 1(**one**) from outside the manufacturers country within last 3(**three**) years.

The Applicant/ Manufacturer should have a Research & Development team and infrastructure to approach and adopt the new technology and upgrade total system as and when required.

The technical requirement expected is given below for Technical solution:

- Compliant with BIS Standard IS15884, read in conjunction with latest amendments, or equivalent / higher specifications as certified by international labs in case of non-Indian suppliers and IS:13779, IEC 1036 & CBIP Technical report no.88 and its latest amendments, special circuit against tamper and fraud
- Support Bi-directional and Uni-directional measurement and Neutral current measurement
- Smart Card operation or Mobile phone app to interface with meter for (i) meter reading, (ii) recharge, (iii) tariff revision / any other upgrade provision requirement from utility to do MRI download facility with hourly or half hourly load survey. ToD energy record and billing provision if required at any stage. (iv) Consumption data.
- Ultrasonic welding
- Tamper detection including Magnet detection and any other tamper detection
- Build-in programmable load control relay control with action as specified by Utility
- Real time clock (RTC)
- Firmware update UIU (user interface unit) through mobile Bluetooth / any other "over the air" technology such as wifi / RF / GPRS with adequate security features for consumer data.
- Split design targeted for maximum security against fraud, while retaining customer convenience
- **Prepayment must provide STS protocol and meet the requirements for IEC 1036 standards and SABS 1524-1**
- **DLMS compliant**
- **Warranty period : 5 years post supply**



Type test report of applicants pre-paid meter from anyone of the following Independent testing laboratory:

1. KEMA, Holland.
2. CPRI, India
3. Bureau of Indian Standards (BIS)
4. UL International New Zealand/Parkside Laboratories, New Zealand.
5. South African Bureau of Standards (SABS).
6. ERTL (Electronic Research and Testing laboratory).
7. ERDA

All end user certificates shall be in English in their letter head pad, with detailed e-mail address, Telephone no. are to be furnished.

Special conditions of the supply which the supplier is required to fulfil are:

- The exact variant / version / brand / configuration of prepaid metering solution and technology being proposed by the Applicant should have been in operation successfully for at least one year of continuous operation, at one geographic location / zone, for at least 25,000 metered consumer connections, in the field of electricity measurement and billing. Applicant may be required to submit a Satisfaction Certificate from the Utility with regards to successful operations of this solution; UPPCL may choose to visit such shortlisted site(s) for verification of Applicant's claims.
- Deliveries of the prepaid metering solutions have to commence from January 2018 and to be completed by Dec. 2018.
- The supplier shall replace the faulty meters within 7 days under warranty obligation and shall maintain sufficient service / dealer network in India to cater post warranty obligation.
- Recharge centres have to be provided at every customer service centres all billing/collection center included (approximately 1000) for which separate price is to be quoted.
- The international supplier will be allowed to import first 25% meters as completely built up unit but will have to manufacture the rest in India, in the state of Uttar Pradesh. However supplies must be completed within one year.
- The funds for the scheme are provided by Govt. of India under Soubhagya Scheme.
- The servers & related IT infrastructure shall be implemented at Premise (DC at Lucknow/DR at Noida) of UPPCL/DISCOM.
- Energy Accounting, Security audit along with diagnostic tools shall be provided by the supplier.

Documents to be furnished:

1. Company profile
2. Financials of last 3 years – certified by Chartered Accountant
3. R&D Team
4. Production team and Production facilities
5. Supply history (of Prepaid meters in last 3 years)
6. Satisfactory performance certificate from End users

Interested parties are free to interact with the nodal officer of UPPCL (A. P. Singh, Superintending Engineer RAPDRP, Mob: 9650066788, Email:SEIT.UPPCL@GMAIL.COM) or EESL (Ajay Sharma, DGM (tech) Mobile No. 8800183887, email asharma1@eesl.co.in) before submission of EoI to seek any clarification etc. and introduce any advancement in technology to them, based on which the complete specifications will be frozen. They will have to refrain from contacting any one in UPPCL/EESL thereafter until the tender process is over except in the pre-bid meeting(s).

