



Expression of Interest with Rate Quotation:- 01/EOI/SDA-Tripura/TSECL/2024-25

Date:-03.01.2024

Expression of Interest (EOI) with Rate Quotation

Name of Work:- Energy efficiency audit for rain water / flood pumps & motors in Agartala Municipal Corporation (AMC), Tripura along with submission of report.

Last date of Eoi submission:- 11.07.2024 up to 05:00 PM

Date of opening Eoi:- 12.07.2024 at 04:00 PM (If Possible)

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**State Designated Agency (SDA) Nodal (BEE Activities)
Bidyut Bhawan, Corporate Office
TSECL, Tripura**



EOI with Rate Quotation

Expression of interest (Eoi) in plain paper is hereby invited from the agency / firm / company registered / incorporated in India for offering rate for carrying out below mentioned work in the office of the State Designated Agency (SDA) Tripura as per the criteria mentioned below:-

Name of work:- Energy efficiency audit for rain water / flood pumps & motors in Agartala Municipal Corporation (AMC), Tripura along with submission of report.

Scope of Work:-

1. Evaluate operating efficiency of pump and record site conditions like KW, KVA, P.F,V, A and Hz etc. by using power analyzer for individual pump set.
2. Evaluate speed of driven equipment or motor using a stroboscope for individual pump set.
3. Evaluate loading performance percentage of pumps on flow, head and motor.
4. Overview and describe existing facilities (rainwater / flood pumping stations) in the Detailed project report (DPR).
5. Collect and report various details of existing systems such as pump details (number, Type, make, age, etc. from AMC/ DW&S records), status of meter (flow meter etc.) installation, power supply pattern, tariff etc.
6. Prepare General Information (GI) Diagram (not to scale) for each pump station.
7. Propose a Sensor based IoT Solution to operate the pumps automatically based on sump water level.
8. Prepare detailed energy audit performance evaluation of pumps at water pumping station by measuring suction and discharge head, power input and water flow etc.
9. Establish a baseline of energy consumption and identify major causes of low operating efficiency and recommended improvements / better operating practices.
10. Provide a detailed estimate of the costs associated with the implementation of each of the proposed energy conservation measure (ECM).
11. Quantify the extent of energy savings / performance improvement that can be achieved by upgrading and/or replacing the existing pumping system with the best efficiency pump sets available in the market based on the analysis of the measurements.

The Criteria for Agency / Firm:-

1. Should be an agency / firm / company registered / incorporated in India and necessary documents should be provided.
2. Should have at least 3(three) nos. BEE Certified Energy Auditors / Energy Managers as on the date of applying. A photocopy of the certificates of BEE Certified Energy Auditors / Energy Managers should be enclosed.
3. Should have adequate experience in similar nature of works.
4. Should have adequate consultancy experience of minimum 5 years in the field of Energy Efficiency and necessary documents and certificates of experience in relevant fields should be provided.
5. Should provide detailed curriculum vitae of the manpower possessing the minimum qualification criterion as stipulated above as well as with ability of reading writing and speaking Bengali / Hindi / English and necessary documents and certificates should be provided.
6. Should have a minimum annual turnover of INR 100.00 Lakhs (one hundred lacs) only (INR or its equivalent in foreign currency) in all of the last three years i.e. FY 2021-22, 2022-23 and 2023-24. The audited annual statements for the last three years should be submitted.

Details notice may be seen in the www.tsecl.in or Notice Board, Corporate Office, TSECL .

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State Designated Agency (SDA) Nodal (BEE Activities)
Bidyut Bhawan, Corporate Office
TSECL, Tripura



Expression of Interest with Rate Quotation

Sealed envelope / Soft copies of the quotations are invited from experienced agencies for carrying out mentioned works.

Name of work:- Energy efficiency audit for rain water / flood pumps & motors in Agartala Municipal Corporation (AMC), Tripura along with submission of report.

Nos. of locations:- 18 Nos.

Last date of Eol :- 11.07.2024 up to 05:00 PM

Date of opening Eol:- 12.07.2024 at 04:00 PM (If Possible)

Terms & Conditions

1. The rate quoted shall be Firm and exclusive of GST as applicable.
2. The Quotationer shall submit the following documents in sealed envelope along with the commercial offer:-
 - a. Photo copy of PAN Card and GST Registration Certificate duly attested by Govt. Officials / Notary.
 - b. Tax clearance certificate of current validity shall be attached.
 - c. Copy of Balance Sheet & Income Tax returns of the Quotationer in support of annual turnover for the last 3 (three) years.
 - d. The Verification / survey of the quantities shall be completed within 30 (thirty) Days from the date is issue of LOA.
3. Payment Terms:-On submission of the report and satisfactory certification by authority.
4. In case of submission through mail, quotation along with all related documents if any shall be submitted to email ID:- sdatripura.tsecl@gmail.com and in case offline submission sealed envelope consisting separate envelop for price schedule and other documents mentioning Eol No., Name of Work etc to be submitted in the office of the General Manager (Technical), Corporate Office, TSECL, Bidyut Bhaban, Banamalipur, Agartala, Tripura (West), Pin:-799001.
5. In case any items quantities / quantities mismatch, corrected report to be submitted without any delay.
6. Inspection/ Survey / Physical verification are to be carried out with AMC and SDA Tripura Officials.
7. Consignee:- The Energy Manager, Corporate Office, Bidyut Bhawan, TSECL.
8. Eol with rate quotation must include GST.

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State Designated Agency (SDA) Nodal (BEE Activities)
Bidyut Bhawan, Corporate Office
TSECL, Tripura



Expression of Interest with Rate Quotation

Sl No	Description of work	Unit	Qty.	Rate (in Rs)	Amount Excluding GST (In Rs)	% of GST applicable	GST Amount (In Rs)	Amount with GST (In Rs)
1.	Energy efficiency audit for rain water / flood pumps & motors at all locations in Agartala Municipal Corporation (AMC), Tripura along with submission of report. (18 locations)	Job	1					

(Rupees only)

TSECL

Signature & Seal of Quotationer