

PDS - 9900/14

THRISSUR CORPORATION - ELECTRICITY DEPARTMENT

TENDER NOTICE

Sealed super scribed Tenders are invited for Energy audit of Electrical distribution system of Electricity Department, Thrissur Corporation, from BEE approved, EMC ^{anelled} empowered so as to reach the undersigned on or before 2 PM on 7/7/2015 (Including Postal). The tender form will be available up to 1 pm on the same day. The Tender will be opened at 3 PM on the same day in the presence of available Tenderers. If this day happens to be a holiday, the next working day will be operative for the same purpose. The cover containing the Tender should be super scribed as **Tender for the " Energy Audit of Electrical distribution System at Thrissur Corporation Electricity Department "**

Cost of tender form: Rs. 5,000/- + S.T (Rs.100 postal charge)
E M D : Rs. 33,750/-
Security Deposit : 5%
Estimate : 13,50,000/-

Details of the feeders to be Audited

Ramanilayam : 6730KVA From 23 TXRS, 7 HT Consumers With 1837.02 KW, 2KW HT Line and 500M Cable, 5000M LT Lines

Paravattani : 3030KVA From 13 TXRS, No HT Consumers, 3000M HT Lines and 1800M Cable, 2600M LT Lines.

Koorkkancheri : 5300KVA From 23 TXRS, 2005.21KW By 4 HT Consumers, 3200M HT Lines and 1600M Cable, 16300M LT Lines.

1. Methodology & Scope of Work :

1.1. Verification, Monitoring and Analysis of energy usage in the corporation and submission of Technical Report containing details regarding system distribution loss in the three selected feeders and suggest suitable measures to minimize the same. The audit will be "Detailed Electrical System Energy Audit" including the following.

1.2 Methodology :

- 1.2.1. Review of Present electrical energy consumption in the facility and analysis of Energy use.
- 1.2.2. Assessment of distribution losses at different areas of electrical system in the feeders with the help of highly precise power measuring instruments.
- 1.2.3. Submission of Technical Report containing details of loss in the distribution system of the three selected feeders and Recommendations of minimizing the same within the acceptable limit.

1.3 Scope of Work

1.3.1. The detailed Electrical System Energy Audit will cover power distribution system starting from the meter, drawing power from the KSEB grid up to the metering points of the HT & DHT consumers and distribution points of LT consumers. The audit will be conducted in the following areas coming under the three selected feeders.

- a) Electrical System Network, Power Distribution, Metering and Monitoring Status, Present power consumption pattern etc.
- b) Performance evaluation through measurement of major electrical parameters on H.T. and L.T. side and rationalization of transformer loading if required.
- c) Measurement of distortion and displacement power factor at various points viz PCC, MCC Load centres etc. and analysis of the same for optimizing the network losses.
- d) Analysis total system harmonics in the park and the impact of the same in the distribution losses will be checked.
- e) Verification of Energy Meters provided for different consumers in the corporation area to find out any anomaly in energy metering on a random basis (LT consumer meters will be selected for random checking based on its make & type)
- f) Calculation of cable and transformer losses for the assessment of present distribution loss in the park.
- g) System imbalance with respect to voltage and current will be checked.
- h) Review of existing consumer number coding system and suggest modification to improve the coding system covering feeder name, transformer location, post number, area etc for better tracking of the consumers.

Acceptable documents proof for each of the criteria is provided below.


No.	Criteria	Acceptable Proof
1.	Must have done two auditing for DISCOMS in India	Certificate from client, on official letter head with signatures, seal
2.	EMC Empanelment	Certificates
3.	BEE Accreditation	Certificates
4.	Two Staff Member, should be BEE auditing of Five years of experiance	Certificates

1.4 Eligibility Criteria

1.4.1 To be eligible to bid for this tender, the bidder should fulfill the following criteria.

- 1.4. a). Must have BEE accreditation
 - 1.4. b). Must be EMC empanelled.
 - 1.4. c). Must have done atleast Two similar works in any DISCOMS in INDIA.
 - 1.4. d). Must Possession latest quality energy, auditing equipments
 - 1.4. e). At least Two members should be qualified BEE auditors having at least five years of experience in auditing.
- 1.4.2. Documentary proof of meeting eligibility criteria should be submitted along with the bid.

The audit report should be submitted to the undersigned within 120 Days from the date of receipt of the work order. Further details can be had from the office during office hours. The amount quoted should be including of all expenses, taxes etc. Tender without remitting the cost of tender form and E M D will not be considered. The E M D can be paid by cash or D D drawn in favour of Assistant Secretary, Electricity Department, Thrissur Corporation. The undersigned reserves the right to accept or reject the tender without assigning any reason. The successful tenderer should remit 5% Security Deposit including Earnest Money Deposit. Further details can be had from the office during working hours.


ASSISTANT SECRETARY.