



Energy Management Centre

State Designated Agency to Enforce Energy Conservation Act 2001)
Department of Power, Government of Kerala

EMC/284/2022-ETB-2(EED)

25-01-2024

QUOTATION NOTICE

Sealed quotations are invited from authorized suppliers of Power Clamp meters as per the following specification and supply to the office of Energy Management Centre.

Sl. No.	Item	Quantity	Rate Excluding taxes	GST	Total cost including taxes
1	Power clamp meter	1			
Grand total					

Eligibility to apply: The applicant shall be an authorized dealer/supplier of Power clamp meter manufacturer company. The applicant shall submit a copy of authorization letter from the Power clamp meter manufacturer company.

Technical specifications: The Power clamp meter shall meet the minimum technical specification requirements mentioned in the Annexure - 1 of this quotation notice. The applicant shall share the catalogue/brochure of the product along with the quotation.

Period of completion: The equipment shall be supplied within 14 days after the date of receiving of the work order.

Payment Terms: 100% of the payment shall be made on the successful completion of work and its successful verification by Engineer in charge.

Sealed cover containing quotation, superscripted as "Quotation for Supply of Power clamp meter" should reach the Director, Energy Management Centre, Sreekrishna Nagar, Sreekariyam P. O, Thiruvananthapuram on or before 31-01-2024, 4 PM.


Director

**Sreekrishna Nagar, Sreekariyam PO
Thiruvananthapuram 695017**

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Annexure 1-

Minimum Technical specifications required for Power Clamp meter

- Clamping diameter: $\geq 34\text{mm}$
- Display: LCD/Backlit LCD
- Resolution: $\geq 6,000$ counts
- Type of acquisition: TRMS [AC, AC+DC]/DC
- Autorange: Required
- Automatic AC / DC detection: Required
- A AC: 0.25 to 600 A
- A DC: 0.25 to 900 A
- A AC+DC: 0.25 to 600 A(900 A peak)
- Best accuracy: 1 % L. + 3 cts
- V AC: 0.15 to 1,000 V
- V DC: 0.15 to 1,000 V
- V AC+DC: 0.15 to 1,000 V
- Best accuracy: 1 % reading + 3 cts
- Hz:
 - Current: 5.0 Hz to 3,000 Hz
 - Voltage: 5.0 Hz to 20.00 kHz
- Ohm: 0.1Ω to 59.99 k Ω
- Open-circuit voltage: ≤ 8 V
- Measurement current $\leq 680 \mu\text{A}$
- Audible continuity: adjustable from 1 to 599 Ω
- Single-phase and total three-phase power values: Required
 - Active power: 1 W to 600 kW
 - Reactive power: 1 var to 600 kvar
 - Apparent power: 1 VA to 600 kVA
- Harmonic analysis: Required
 - THDf / THDr : Required/ Required
- Phase rotation (2-wire method): Required
- True InRush (Overcurrent measurement): Required
 - Motor inrush: Yes
 - Load change: Yes
- Electrical safety as per IEC 61010: 600 V CAT IV

Note :

The firm should have supplied Power Clamp meter in reputed firms in Kerala for last 3 years and should provide service support in Kerala.