

SPECIFICATION FOR CLAMP POWER METER

1. Requirement/Function

The clamp power meter is required for measurement of power taken by cooling circuit of transformers and shunt reactors.

2. Quantity required - 1 No.

3. Technical Specification

3.1 Power Type: Battery operated

3.2 Type: Single phase

3.2 Measuring range

3.2.1 Voltage: 0-600 V AC

3.2.2 Current: 0-1000A AC

3.2.3 Watt: 0-600 kW

3.3 Accuracy

3.3.1 Watt: $\pm 2.5\% \pm 5$ dgt

3.4 Jaw capacity: 50 mm dia

3.5 Display: LCD

3.6 Cable : Suitable connecting cable with clamp is to be supplied meter

3.7 Safety : Instrument should have adequate and reliable safety interlocks / devices to avoid damage to the system, work piece and the operator due to the malfunctioning or mistakes.

4. Inspection: Inspection required at supplier's work before dispatch.

5. Packing

Item shall be suitably packed to prevent damage during transit and handling.

6. Installation &Commissioning:

6.1 Supplier to take full responsibility for carrying out the start up and commissioning of Clamp power meter.

6.2 Successful proving of BHEL components by the supplier shall be considered as part of commissioning.

6.3 Demonstration of all features of clamp power meter to the satisfaction of BHEL for their efficient and effective use.

7. Warantee: Supplier to give warrantee of 12 months from date of commissioning.

8. Evaluation Criteria and Qualifying Requirement

Only those vendors, who have supplied clamp on power meter of same or more rating for similar applications in last ten years with proven performance. A list of users shall be submitted along with the tender.
