

Ref: CL/PP/BID-04(07-08)

Date: 12-04-2007

Subject: SUPPLY OF 3 Nos Test Corners of 36 Channels with Software and 1 No. Test Corners of 144 Channels with Software for testing of Appliances for CL.

Dear Sirs,

Technical & Commercial Bids are invited for the supply of **3 Nos Test Corners of 36 Channels with Software and 1 No. Test Corners of 144 Channels with Software for testing of Appliances for CL**, in **separate SEALED** covers, which should reach the undersigned latest by 1700 h, on **03 May 2007**, at the following address.

Director & Head (Planning & Purchase)
BUREAU OF INDIAN STANDARDS
Central Laboratory
Plot No.20/9, Site-IV,
Sahibabad Industrial Area, Sahibabad,
Distt. Ghaziabad-201010 (U.P.)

- 2.The detailed specification of the above mentioned equipment(s)/item(s) are given in **Annex- I**
3. Terms and conditions of supply are given in **Annex-II**
4. The technical Bids shall be opened in the **Conference Hall**, of the Central Lab, at the address mentioned above at **1500 h on 04 May 2007** and in the presence of such tenderers or their duly authorized representatives, who may like to attend.
5. Please note that the envelopes containing Technical & Commercials Bids are sealed properly i.e. either wax sealed or with adhesive cello tape on both ends. **Unsigned & Unstamped Bids in Unsealed /stapled envelopes** and bids **without EMD** shall be summarily rejected. **No exemption whatsoever** for payment of EMD shall be accorded.
6. The specification and terms & conditions can also be downloaded from BIS Website – www.bis.org.in

Thanking you,

Yours faithfully,

Encl.: **as above**

-Sd/-
Director & Head (Planning & Purchase)

TERMS & CONDITIONS

1. The BUREAU gives FIRST PREFERENCE in its purchase to goods bearing ISI CERTIFICATION MARK and second preference to those which conform to the relevant Indian Standard Specifications.
2. The delivery of the stores is required to be made within 30 days of receipt of order. If, it is not possible for you to effect delivery within the period, you are required to specify the date by which you can guarantee delivery of the stores.
3. The **Technical & Commercial Bids should be sealed and sent separately in sealed envelopes & duly superscribed (giving Equipment name, technical/financial bid, due date of opening & Ref. No. on the top of the envelope)**. Such Bids shall remain valid for a period of 90 days from the date of opening.
4. Quotations/Bids, qualified by indefinite expressions as “Subject to immediate acceptance, Subject to prior sale” etc. and incomplete quotations are liable to be summarily rejected.
5. The Bids should clearly give break-up of cost of each equipment. The rates quoted should separately indicate Basic Cost, Excise Duty, Sales Tax, P&F charges, Freight, Insurance, VAT etc. Rates quoted should specifically state Sales Tax, Excise Duty or any other taxes/charges. In absence of any such stipulation, it will be presumed that the prices include all such charges and no claim for the same shall be entertained. **Form C/D shall not be provided by BIS.**
6. Each tender document shall be accompanied with **EMD of 3% of cost of the equipment.** The demand draft for the EMD amount shall be drawn in favour of BUREAU OF INDIAN STANDARDS payable at Sahibabad/Ghaziabad. The sealed envelope containing EMD should be super scribed “EMD” and **stapled separately with the envelope containing the commercial Bids. No disclosure of EMD in Tech. Bid.**
7. BIS shall pay **90%** of the cost after satisfactory installation & commissioning and the Balance of **10% as contract performance security** would be paid after expiry of warranty period. However other terms of payment for contract performance security can also be considered, if so stated clearly.
8. The **warranty period** of the equipments **may be stated clearly** in the Technical Bids. In case the **same is not found stated**, it will be presumed that **warranty period as mentioned in their respective specifications of the tender document (if specified), is applicable**
9. Please mention clearly in the Technical Bids regarding address of **arrangements for service/repair** of the equipments are available. Suppliers having such arrangements near Delhi/Ghaziabad would be preferred.
10. All goods received would be subjected to inspection, by BIS before or after receipt or commissioning (as applicable) and the decision of BIS shall be binding. Rejected items/goods/stores shall be removed by the supplier at his own cost and risk, within 30 days of receipt of notice for the removal of such goods, and no liability, whatsoever, on the Bureau shall be attached for the rejected/disapproved goods/items/stores.
11. The Bureau reserves the right to accept or reject summarily and or all tenders in whole or part without assigning any reason whatsoever.
12. The Bureau takes no responsibility for delay, loss or non-receipt of tenders after dispatch.
13. **In case of non compliance with the Terms & Conditions of the contract, the Bureau reserves its right to:**
 - a) Cancel/rescind/revoke the order if supply is not made in time and is not conforming to the required specification.
 - b) Impose Penalty up to 1% of the total value of the order for a delay of every seven days after the schedule date subject to the ceiling of a maximum of 10% of the total value of the order.
14. All questions, disputes or difference arriving under, out of or in connection with this tender enquiry shall be subject to the exclusive jurisdiction of Delhi/ Ghaziabad Courts.

**BUREAU OF INDIAN STANDARDS
CENTRAL LABRATORY
EQUIPMENT SPECIFICATION**

EQUIPMENT /SPECIFICATION CODE	:	ACE 04
NAME OF THE EQUIPMENT	:	TEST CORNERS WITH WINDOWS BASED SOFTWARE
	[ACE 04 (A)]	: Test Corners with 36 channels Quantity : Three
	[ACE 04 (B)]	: Test Corner with 144 channels Quantity : One
	[ACE 04 (C)]	: Windows Based Software Quantity : One
PROPOSED FOR BIS LABS	:	CL ELECTRICAL
TOTAL QUANTITY REQUIRED	:	Three + One (As above)

Purpose	:	To carry out 'Temp.-rise' and 'Abnormal Operation Test' on electric appliances.
Reference IS	:	As per Cl. 11 & 19 of IS: 302 (Part I) -1979
Temperature Range	:	0 to 300°C
Least Count	:	1°C
Power Supply	:	Single phase, 230 Volts, 50 Hz, AC.
Specifications	:	
a) Test Corners:	:	[ACE 04 (A) & ACE 04 (B)]
i)		The Test Corners shall be made strictly as per Cl. 11 & 19 of IS: 302 (Part I) -1979.
ii)		Three Test corners each of 36 Channels shall be made of following dimensions: Size : 600mm x 600mm x 600mm Thickness : 20 mm

- iii) One Test corner of 144 Channels shall be made of following dimensions:
Size : 1200mm x 1200mm x 600mm
Thickness : 20 mm

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- iv) Material of the test corner shall be dull black painted plywood/ plyboard (Block board).
- v) Test corners shall consist of two walls at right angle, a hinged ceiling and a floor fixed over a stand at a height of 750 mm from ground.
- vi) Thermocouple used for determining the temperature of the surface of walls, ceiling and floor are embedded in the surface or attached to the back of small blackened disks of copper or brass, 15 mm in diameter and 1 mm thick, which are flush with the surface.
- vii) Thermocouple disks shall be evenly distributed over the inner surface of two walls, floor and ceiling.

b) Windows Based Software: [ACE 04 (C)]

- i) All four test corners [ACE 04 (A) & ACE 04 (B)] shall be connected through a suitable port to a PC having a Windows Based Software for the development of suitable data base for the following parameters to be captured during each scan for each individual sample:
- a) Scanning time (as minimum as possible);
 - b) Scan interval from 0 to 99 minutes (Settable);
 - c) Date and Time;
 - d) Test Voltage (0 to 600 V);
 - e) Test Input (0 to 9999 W);
 - f) Temperature measured by each thermo couple (upto 400 °C);
 - g) Ambient Temperature (upto 100 °C)
- ii) The PC/ Windows Based Software shall be connected through UPS with 1 h line back up.
- iii) Suitable printer shall be supplied which shall be able to print the following:
- a) *Heading*: BIS Central Laboratory (Electrical);
 - b) Date and Time of printout;
 - c) Sample Number (e.g. E-1237890);

d) All parameters captured by data base.

c) All measuring devices shall be supplied with calibration certificate from NABL approved calibration agency.