

Our Ref: SROL/3:4:1

15 November 2006

Dear Sirs,

Quotations/Bids are invited for the supply of the above items(s) which should reach the undersigned latest by 1700 h, on **12 December 2006**, at the following address.

BUREAU OF INDIAN STANDARDS
Southern Regional Office Laboratory
CIT Campus, 4th Cross Road
Taramani, Chennai 600 113

2. The detailed specification of equipment(s)/item(s) and the figure are given in **Annex-I**

3. Terms and conditions of supply are given in **Annex-II**

Thanking you,

Yours faithfully,

Encls: as above

(J.T. DAVIDSON)
Sc.'F' &Head

- Name of the Equipment: a) **WATER BATH FOR CARRYING OUT AC/ DC HIGH VOLTAGE WATER IMMERSION TEST ACCORDING TO IS 694:1990 AND IS 1554 PART (1&2):1988. (DIGITAL)**
- AND**
- b) **UPS for the above.**
- Specification: a) (i) Internal Size: L=1.0 m, B=0.60 m, H=0.70 m.
Temperature Range: 0-100°C ±0.5°C.
- (ii) Least Count of Temperature Indicator : 0.1°C
- b) **UPS** Shall have standby capacity upto 2 hrs in the event of electric supply break-down. Make, specification of UPS and all critical parts used including battery shall be submitted.
- NOTE: (i) Motorised Stirrer shall be provided. Timer shall be used to adjust the frequency of operation of the stirrer.
- (ii) The make and specification of Motor, Timer, Heater and other critical components shall be submitted.

Design and other requirement:

- i) The inner walls of water bath shall be made of high quality corrosion resistant and heat resistant material (the material shall be specified) having good mechanical strength.
- ii) The Temperature Indicator shall be digital having accuracy class minimum 0.5.
- iii) The make of the Temperature Indicator, Stirrer, Motor, Timer and other critical components used shall be of reputed make and highly reliable.
- iv) Calibration certificate from NABL accredited laboratory shall be given for the Temperature Indicator used in the Water Bath.
- v) The Water Bath shall be designed to work satisfactorily in ambient temperature upto 45°C and RH up to -95: %.
- vi) The Water Bath shall be of sturdy in construction and the thickness of the steel sheet and other sheets used in the construction shall be given in the quotation.
- vii) The Water Bath shall have good aesthetic design value and the picture of the equipment along with dimension shall be submitted with the quotation.
- viii) The paint used shall be corrosion resistant and shall give an aesthetic finish and look.
- ix) The Water Bath shall be mounted on 4 strong wheels to enable its mobility.
- x) The warranty period shall be clearly stated in the quotation along with any terms and conditions.
- xi) The amount to be paid to enter into AMC for minimum three years after the warranty period and the terms and conditions shall be clearly stated.
- xii) Time required to attend a break-down of the equipment shall be given.
- xiii) A list of customers using your Water Bath in and around Chennai shall be given along with contact person name and telephone number and address.
- xiv) A brief write up about your organization shall be submitted.
- xv) Heating up time and power input shall be specified.

Name of the Equipment: **4 ½ DIGITAL MICRO OHM METER FOR MEASUREMENT OF RESISTANCE FOR CABLES AND CONDUCTORS**

Specification: Range 0-20 ohm
Least count – 0.0001 milli ohm
Accuracy of ± 0.0001 milli ohm.

Design and Technical requirements required to be specified:

- i) The 4 ½ Digital Micro Ohm Meter shall have an accuracy of ± 0.0001 milli ohm.
- ii) The ambient temperature range in which the equipment can work satisfactorily.
- iii) The ambient temperature range in which the equipment gives the best accuracy (to be given) and the deviation of accuracy per °C when the temperature deviates from the range.
- iv) The drift in accuracy at the end of one year and over a period of three years.
- v) Stability and the time by which the reading shall be taken to get the best accuracy.
- vi) Warming up time required to get the accurate reading.

Other requirements:

- i) The make of the Micro Ohm Meter has to be stated and the Manufacturers catalogue giving complete specification shall be enclosed.
- ii) Calibration certificate from NABL accredited laboratory shall be given for the Digital Micro Ohm Meter.
- iii) The Digital Micro Ohm Meter shall be designed to work satisfactorily in ambient temperature upto 45°C and RH up to -95%.
- iv) The Digital Micro Ohm Meter shall be of sturdy construction to withstand any rough handling by chance and shall be supplied with all the accessories.
- v) The Digital Micro Ohm Meter shall have good aesthetic design value and the picture of the equipment along with dimension shall be submitted with the quotation.
- vi) The paint used shall be corrosion resistant and give an aesthetic finish and look.
- vii) The warranty period shall be clearly stated in the quotation along with any terms and conditions.
- viii) The amount to be paid to enter into AMC after the warranty period for a minimum period of three years and the terms and conditions shall be clearly stated.
- ix) Time required to attend a break-down of the equipment shall be given.
- x) A list of customers using your equipment in and around Chennai shall be given along with contact person name and telephone number and address and testimonies from three customers.
- xi) A brief write up about your organization shall be submitted.

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. Your 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. If rates quoted do not state Sales Tax, Excise Duty or any other taxes/charges, the same should be specifically stated. 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.
6. 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.
7. 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 (if specified) is applicable
8. Please mention clearly in the Technical Bids regarding address of **arrangements for service/repair** of the equipments are available. Suppliers having such arrangements near Chennai shall be preferred.
9. All goods received would be subject to inspection before approval. 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.
10. The Bureau reserves the right to accept or reject summarily and or all tenders in whole or part without assigning any reason whatsoever. All questions, disputes or difference arriving under, out of or in connection with this tender enquiry shall be subject to the exclusive jurisdiction of Chennai Courts.
11. The Bureau takes no responsibility for delay, loss or non-receipt of tenders after dispatch.
12. 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.