

POSTED UNDER POSTAL CERTIFICATE

BUREAU OF INDIAN STANDARDS

Phone : 28394955

28394956

28396324

FAX : 28398841

BIS BANGALORE LABORATORY

Peenya Industrial Area

1st Stage, Tumkur Road

Bangalore – 560 058

Ref : BNBL / 13:2 / 418

Date : 02 March 2007

Subject : **Tender Notice for the supply of “Servo controlled voltage stabilizer”.**

Dear Sir(s),

Quotation(s) is / are invited for the supply of the equipment(s) / item(s) required for testing various types of lamps such as GLS, CFL, TFL, etc.

1. The terms and conditions for submitting quotations and supply of the equipment are given in **Annexure – I** (Page 2 to 4).
2. The details of the equipment(s) / item(s) required along with specification(s) are given in **Annexure - II** (Page 5 to 7).
3. The quotation(s) should reach the undersigned latest by 1430 hours on **22 March 2007** at the above address.
4. The quotation(s) shall be opened at 1500 hours on **23 Sep 2006** in the presence of such tenderers or their duly authorized representatives who may like to attend.
5. Unless stated otherwise, quotation(s) shall be deemed to be for delivery at BIS Bangalore Branch Office Laboratory.
6. The tender is also posted in BIS Website – www.bis.org.in

Thanking you,

Yours faithfully,

(B.R. Narayanappa)
Director & Head BNBOL

Encl. : 1) Annexure - I
2) Annexure - II

TERMS & CONDITIONS

1. **The quotation(s) shall be submitted in two parts – Technical bid & Financial bid.** The technical bid and financial bid should be sealed by the bidder in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed “Quotations for the supply of servo controlled voltage stabilizer”. The financial bid will be opened after technical evaluation of technical bids. The date of opening of price bids will be informed to the bidders found suitable in technical evaluation.
2. **The offer/quotation must be strictly as per required specifications and the tender terms and conditions.**
3. The technical bid shall contain the technical leaflets/literature and complete specification of the quoted model(s) of the item. It must be ensured that the offers must be strictly as per our specifications. Deviations, if any from the specifications shall be clearly brought out along with justification.
4. The financial bid should clearly give break-up of cost of each equipment as per specifications. The rates quoted should separately indicate Basic Cost, Excise Duty, Sales Tax, Packing and Forwarding Charges, Freight, Insurance, VAT, etc. In the 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.
5. The bids shall remain valid for a period of 90 days from the date of opening of quotation(s) specified.
6. Documents in support of experience, past performance, technical capability, manufacturing facilities, and financial position of the supplier as well as client-list should be furnished along with the technical bid.
7. The bids shall be accompanied with Earnest Money Deposit(EMD) for an amount of Rs 16,000/- (Rupees sixteen thousand only) by demand draft in favour of “Bureau of Indian Standards”, payable at Bangalore. The sealed envelope containing EMD shall be superscribed “EMD” and stapled separately with the envelope containing Technical Bid. This will be returned to the unsuccessful bidders within 30 days of the award of the contract.
8. **The bidders shall mention in the quotation, the rate/amount of annual maintenance charges, if BIS opts for maintenance contract after expiry of the warranty period. This is mandatory to mention.**

9. **It shall be clearly mentioned in the technical bid of arrangements for after sales service.** Suppliers having the required infrastructure in or around Bangalore for providing timely and efficient service of the equipment will be preferred.
10. **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 Specification as applicable.**
11. The delivery of stores is required within 60 days of receipt of order. If however, it is not possible for you to effect delivery during working hours by that date, you should specify the date by which you can guarantee delivery of stores. Quotation(s) qualified by such vague and indefinite expressions as “ subject to immediate acceptance”, “subject to prior sale”, etc. and incomplete quotation(s) is/are liable to be summarily rejected.
12. The equipment should be installed/commissioned and demonstrated by the supplier at BIS Bangalore Laboratory immediately, but in any case within one month after receipt of the item in the lab, and the same will be put under operation to the satisfaction of BIS technical personnel who will test the performance of the equipment. **No separate charges for installation, etc. will be paid to the party beyond the quoted prices.**
13. BIS shall pay 90% of the cost after satisfactory installation and commissioning and training, 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.
14. The warranty period of the equipment shall be clearly stated in the Technical Bid. The warranty period of an item/equipment shall commence from the date of receipt of the item/equipment in good working condition and satisfactory installation / commissioning / demonstration at BIS Bangalore Laboratory. The warranty period and validity of contract performance security shall be extended for the period of delay in satisfactory installation.
15. Successful tenderer shall be required to provide comprehensive maintenance guarantee for the equipment, including replacement of spares if any.
16. Successful tenderer shall be required to provide training to BIS personnel at BIS Bangalore Laboratory in the use of the equipment at the supplier's cost.
17. All goods shall be received subject to approval on inspection. The decision of our inspecting officer 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.

18. This Bureau reserves the right of accepting the whole or any part of the quotation(s) or portion of the quantity offered and the successful tenderer shall supply the same at the rate quoted.
19. The institution reserves the right to accept or reject summarily any or all quotation(s) in whole or in part without assigning any reason whatsoever.
20. The institution takes no responsibility for delay, loss or non-receipt of quotation(s) after dispatch.
21. In case of non-compliance with the terms and 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 specifications.
 - b) impose penalty up to 1% of the total value of the order for a delay of every seven days after the scheduled date subject to the ceiling of a maximum of 10% of the total value of the order.
22. All questions, disputes or differences arising under, out of or in connection with this tender enquiry shall be subject to the exclusive jurisdiction of Bangalore Courts.
23. **Bidders must furnish a compliance statement of each and every clause of the terms and conditions of the tender along with the quotation. The deviations, if any, from the terms and conditions shall be clearly brought out in the statement. One copy of the terms & conditions along with equipment specifications may be duly signed and returned with the technical bid as an acknowledgement of having read and accepted the same.**

LIST OF EQUIPMENT REQUIRED

SL. NO.	EQUIPMENT / ITEM	EQUIPMENT SPECIFICATION CODE	QUANTITY
1.	Servo controlled voltage stabilizer	BBE01	01 no.

EQUIPMENT SPECIFICATION

EQUIPMENT SPFN. CODE	:	BBE 01
NAME OF THE EQUIPMENT	:	Servo controlled voltage stabilizer
PROPOSED FOR BIS LABS	:	BNBOL
TOTAL QUANTITY REQUIRED	:	01(ONE)

1.0 Scope

Covers the basic guiding requirements for the design of servo controlled voltage stabilizer required for providing stabilized power supply for testing of various types of lamps.

2.0 Technical specifications

- | | | |
|------|---|--|
| 2.1 | Capacity | : 150kVA(ie. 3 single phase voltage stabilizers each of 50 kVA, configured as a 3-Phase/4-wire system and housed in a single enclosure with each phase having individual and independent controllers.) |
| 2.2 | Input voltage range | : 340 – 460V, 3Phase/4wire AC, 50Hz |
| 2.3 | Output voltage | : 415V, 3Phase/4wire AC, 50Hz |
| 2.4 | Output voltage regulation | : $\pm 1\%$ or better |
| 2.5 | Type | : Indoor, floor mounting on wheels |
| 2.6 | Cooling | : Natural oil cooled |
| 2.7 | Duty cycle | : 100% load, continuous duty cycle |
| 2.8 | Efficiency | : 98% or better |
| 2.9 | No-load losses | : 2% max. |
| 2.10 | The stabilizer shall be capable of feeding high surge current of lamps. | |

3.0 Instruments and controls

- | | | |
|-----|--|--|
| 3.1 | Output voltage setting (by potentiometer in Auto Mode & by 'Raise' / 'Lower' Push Button in Manual Mode). | |
| 3.2 | Operation : Auto or Manual with by-pass mechanism. | |
| 3.3 | The stabilizer shall have built-in protections against the following abnormal line and load conditions with suitable audio and visual indications:
Over voltage / under voltage / overload / short circuit / single phasing | |

- 3.4 Indications and metering : Suitable LED/lamp indications for Input Voltage 'High' / 'Low', Mains ON & Output indicator. AC Voltmeter(Analogue) with / without selector switch for Input and Output.
- 3.5 The stabilizer shall have built-in provisions for surge suppression.
- 3.6 The stabilizer shall have built-in soft start circuitry to limit in-rush current during start up.
- 3.7 The control circuits shall be IC based solid-state, without relay.
- 3.8 The stabilizer shall be supplied with first filling of ISI marked transformer oil.

4.0 Documentation

Technical documentation such as instruction, operating, maintenance/service manuals containing schematic diagrams, list of component parts with performance data and list of spare parts, etc. shall be supplied along with the equipment.

5.0 Guarantee

The equipment shall be guaranteed for a minimum period of one year and thereafter comprehensive service support for a minimum period of two years.
