

PRASAR BHARATI
(Broadcasting Corporation of India)
OFFICE OF THE ADG (E) (SOUTH ZONE)
ALL INDIA RADIO & DOORDARSHAN
Swamy Sivananda Salai, Chennai - 600 005

No. ADG (E) (SZ)/PUR/87/PSEA/2011-12

Date: 12.01.2012

Sub.: Enquiry for the Supply of Surge Protector for 14 LPTs, DD HPT Ananthapur DD HPT Visakhapatnam and DD HPT Mehaboob Nagar (Each One) Total 17Nos - Reg.

Dear Sir,

This office is interested in the purchase of the following **Stores/Works** as per specification given below/attached and invites your quotation.

1.

Sl.No.	Description	Qty	Consignee
1	Surge protector (Specification Enclosed)	17Nos.	AE(Main Godown), O/o The ADG(E)(SZ), All India Radio & Doordarsan, Swami Sivananda Salai, Chennai-600 005.

2. The quotation should specifically mention **Make & Type of the items**, delivery date, terms and condition of supply. The prices should be firm and given as under.
 - (a) The 'Unit' Price should be for the Unit as indicated in the tender enquiry.
 - (b) Prices quoted should be for F.O.R. Station of destination in India and Inclusive of charges as packing customs, etc., wherever applicable.
3. In case of Quotation of F.O.R Station of dispatch basis, the purchaser will not pay separately transit insurance and the supplier will be responsible until the stores arrive in good condition at the destination. Tender/quotation in which transit insurance has been specified as an additional item of expenditure is liable to be ignored.
4. **EMD:** Earnest Money amounting to **Rs.21000/--(Rupees Twenty one Thousand only)** in the form of Bank guarantee /Demand Draft from Nationalized Bank / Commercial Bank drawn in favour of **ADG (E) (SZ), AIR & DD, Chennai-5** should accompany the tender. Tenders without EMD shall be summarily rejected and their bid will not be opened at the time of tender opening (No exemption for payment of EMD is accepted by this office).However Exemption will be considered for the firm who will submit the proof of registration with NISC.
SECURITY DEPOSIT: The successful Tenderer shall furnish the Security Deposit within 2 weeks after placement of order at the rate of **10% of the Order Value**. The security deposit shall be furnished in the form of Demand Draft / Bank Guarantee drawn in favour of the **ADG(E)(SZ), AIR&DD, Chennai-5**. The Security Deposit will be returned in full on completion of successful Guarantee/Warranty Period.
5. Printed terms and conditions of tendering firms will not be considered as forming parts of their tender.
6. **Guarantee Period:** If any may be mentioned.
7. **Delivery of Stores:** The delivery of the entire stores shall be completed within **one month** from the date of placement of order.
8. **SALES TAX:** - Sales Tax leviable and intended to be claimed from the purchaser should be distinctly shown along with prices quoted. Where this is not done no claim for Sales Tax will be admitted at any later stage and on any ground whatsoever.
9. **TERMS OF PAYMENT:** - 100 % Payment on receipt of stores in good working condition at the destination.
10. The quotation should be sent in a sealed cover addressed to the undersigned, by name, so as to reach on or before **30-01-2012, 12.30 P.M.**

THE COVER SHOULD BE SUPERSCRIBED WITH THE FOLLOWING:

- a. **Material for which quotations are enclosed.**
 - b. **Reference to letter of enquiry.**
 - c. **Due date of opening quotation.**
11. The Quotations will be opened in this office at **30-01-2012**, 3.00 P.M. on in the presence of tenderers or their agents such as they may choose to attend.
 12. **QUOTATIONS NOT PROPERLY SUPERSCRIBED WILL NOT BE CONSIDERED.**
 13. The quotations submitted shall remain open for acceptance for a period of **90 days** from the date of opening of the Tender. If any Tenderer/ Suppliers withdraws his Tender/Quotation before the said period or makes any modifications in the Terms & Conditions on the Tender/Quotation which are not acceptable to the Department, then the Government shall, without prejudice to any other right or remedy, be at the liberty to forfeit 50% of the Earnest Money as aforesaid.
 14. Both your **PAN - Permanent Income Tax Account Number** and Income Tax Circle & your **TIN - Tax Identification Number** and the Tax circle should be definitely indicated in your quotation.
 15. In case of supply of any Specific or Manufacturer item, the Manufacturer's Test Certificate should be enclosed with the supply. The Goods are subjected to **Inspection before acceptance**. The date of Inspection of cable may be intimated to this Office before dispatch to the consignee.
 16. **RIGHT OF ACCEPTANCE:** The undersigned reserves the right to reject the lowest tender or all the tenders without assigning any reasons whatsoever. Further, the undersigned reserves him self the right for decreasing the quantity of material tendered depending upon the actual requirements. The unit rate quoted on the tender shall be applicable for the quantity for which order is placed. All Quotations/Tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected. The competent authority on behalf of President of India reserve himself the right of accepting the whole or any part of the Tender shall be bound to perform the same at the rate quoted.
 17. Canvassing whether directly or indirectly, in connection with Tender/quotation is strictly prohibited and the Tender/quotation submitted by the Contractors / suppliers who resort to canvassing will be liable to rejection.
 18. **Undersigned also reserves the right to place repeat order for 100% or less quantity for which the quotation has been originally invited/order placed.**
 19. **LANGUAGE / UNITS:** All information supplied by the Tenderer & all markings, notes, designation on the drawings & associated write-ups shall be in "**English language**" only. All dimensions, units on drawings, all references to weights, measures & quantities shall be in MKS.
 20. In case This is second enquiry, Your quotation in response to the first enquiry should be presumed to be valid up to 120 days from the last date mentioned in para 11 above unless we hear from you.
 21. **FAILURE AND TERMINATION CLAUSE**

Time and date of delivery shall be essence of the contract. If the contractor/supplier fails to deliver the stores / execute SITC / SETC, or any installment thereof within the period fixed for such delivery in the schedule or at any time repudiates the contract before the expiry of such periods the purchaser may without prejudice to any other right or remedy, available to him to recover demurrages for breach of the contract:-

 - a) Recover from the Supplier/Contractor as agreed, liquidated demurrages including administrative expenses and not by way of penalty, a sum equivalent to 0.5% per week upto maximum limit of 10% of the contract value for such delay or part thereof (this is an agreed, genuine pre-estimate of demurrages duly agreed by the parties) which the supplier/contractor has failed to deliver thereof is accepted after expiry of the aforesaid period, provided that the total demurrages so claimed shall not exceed 10% of the contract price of the stores / SITC / SETC. After full period of extension, termination of the contract will be considered by the Organisation.
 - b) Purchase or authorise the purchase elsewhere on the account and at the risk of the contractor/supplier, of the stores not so delivered / SITC / SETC not carried out or other of a similar description (where stores exactly complying with the particulars are not in the opinion of the purchaser, which shall be final, readily procurable) by serving prior notice to the contractor/supplier without canceling the contract in respect of the installment not yet due for delivery (or)

- c) Cancel the contract or a portion thereof by serving prior notice to the contractor/supplier and if so desired purchase or authorise the purchase of the stores not so delivered / SITC / SETC not carried out, or others of a similar description (where stores not delivered / SITC / SETC not carried out, exactly complying with particulars are not in the opinion of the purchaser, which shall be final readily procurable) at the risk and cost of the contractor/supplier. If the contractor/supplier had defaulted in the performance of the original contract, the purchaser shall have the right to ignore his tender for risk purchase even though the lowest, where the contract is terminated at the risk and cost of the firm under the provisions of this clause, it shall be in the discretion of the purchaser to exercise his discretion to collect or not, the Security deposit from the firm on whom the contract is placed, at the risk and expense of the defaulted firm.
- (d) Where action is taken under sub-clause (b) or sub-clause (c) above the contractor shall be liable for any loss which the purchaser may sustain on that account, provided the purchase or if there is an agreement, to purchase, such agreement is made in case of failure to deliver the stores/services, within 6 months from the date of such failure and in case of repudiation of contract the contractor/supplier shall not be entitled to any gain on such the entire discretion of the purchaser to serve a notice of such purchase on the contractor/supplier.
- (e) It may further be noted that clause (a) above provides for recovery of liquidated demurrages on the cost of contract price of delayed supplies (whole unit) at the rate of 0.5% per week upto maximum limit of 10% of the contract value for such delay or part thereof. Liquidated demurrages for delay in supplies thus accrued will be recovered by the paying authority on instruction as specified in the supply order, from the bill for payment of the cost of materials / works submitted by the supplier / contractor in accordance with terms of supply order on instruction from Purchaser regarding liquidated demurrages amount.
- (f) Notwithstanding anything stated above, equipment and materials will be deemed to have been delivered / SITC / SETC will be deemed to have been carried out only when all its components, parts are also delivered. If certain components of stores are not delivered in time / SITC / SETC not carried out in time, the stores / SITC / SETC will be considered as delayed until such time all the missing parts are also delivered.

**Web Site [http// www.cesairdd.org.in/tenders.html/](http://www.cesairdd.org.in/tenders.html/)
[http//www.allindiaradio.org/tender.html](http://www.allindiaradio.org/tender.html)
[http//tenders.gov.in](http://tenders.gov.in)**

Yours faithfully,

(Jyothi Vijayakumar)
ASSISTANT ENGINEER
FOR Addl.DG (E)(SZ)

SURGE PROTECTION DEVICES:

Technical specification for the Surge Protection System

The Main Surge Protection System is intended to be installed in the Sub switch board panel on the LT side. The system shall offer comprehensive protection against all types of transient Over Voltages. Hence it shall be of combined class B+C type. i.e. it shall be capable of handling Lightning as well as switching surges.

The surge protection system shall be configured such that the system offers all mode (Differential) protection. The protection shall be between each phase to neutral, each phase to earth and between neutral to earth.

The surge protection system shall comprise of multiple MOV based surge arrestors housed in an IP 65 enclosure. Each Surge arrestor shall consist of three elements for backup protection.

The Surge protection system design shall be modular in nature so that the individual surge arrestors can be replaced after its elements have fused. The surge arrestors shall be mounted on a DIN RAIL for ease of replacement and maintenance.

Each of the surge arrestors connected in the system shall have built in elements. Each surge arrestor shall have a minimum of 3 elements so that even when one element operates, the other three act as a backup. The design shall be such that when a given element fuses, the next two elements in the surge arrestor is brought into service automatically. When any element fuses, the respective status indicator flag shall turn red indicating that the element is out of service. In addition, potential free contacts shall be provided for remote indication of the status of each element.

It shall not permit any FOLLOW THROUGH CURRENT after a surge is effectively conducted to the earth.

Each individual element in the surge arrestor shall be rated as follows:

- 1) Maximum Continuous Operating Voltage (U_c) : 320 Volts
- 2) Minimum Lightning Impulse Current (I_{imp}) : 15KA. (10/350 μ s)/Phase
- 3) Switching Surge Current (I_{max}) : 100KA (8/20 μ s)/Phase
- 4) Switching Surge Current (I_{nom}) : 30KA (8/20 μ s)/Phase
- 5) Protection Voltage :1800 V between L-N,L-G N-G.
- 6) Residual Voltage at 5 KA : Less than 1000 V.
- 7) Response time: Less than 25 nano seconds.

The surge arrestor elements shall be designed to withstand the specified I_{nom} current for a minimum of 20 times without fusing.

The surge protection system shall be connected in parallel with the circuit and shall not draw the line current. The system shall be connected to the circuit with 10 / 16 Sqmm single core PVC insulated flexible copper conductor cables. The terminal connectors of the system shall be so designed to avoid any loose connections. flat conductors of 50 sqmm and above.