

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

No. CE (SZ)/PUR-I/27/ TRFO/2011-12

Date: 25.07.2011

Sub.: Enquiry for Supply of Transformer Oil - Reg.

**Dear Sir,**

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

**1.**

SI. No.	Description	Qty.	
1	'POWEROIL' Transformer oil Conforming to IS 335 / 1993 EHV Grade. 1. The oil should be supplied in non-returnable drums, each drum of 209 ltrs capacity. 2. The complete test report for the oil is to be given along with the supply.	58 Barrels [209 x 58 = 12,122 Ltrs.]	<b>Consignee:</b> DDG (E)/ Installation Officer, All India Radio, Super Power Transmitter, Doddaballapur - 561 203. Karnataka.

- 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.
- 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.
- The Quotation/Tender shall be accompanied by Earnest Money (unless exempted) of Rs.**17,000/-** in the form of Demand Draft from a commercial Bank issued in favor of Chief Engineer (SZ), AIR & TV, Chennai - 600 005. 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).  
**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 Chief Engineer (SZ), AIR&DD, Chennai-5. The Security Deposit will be returned in full on completion of successful Guarantee/Warranty Period.
- Printed terms and conditions of tendering firms will not be considered as forming parts of their tender.
- GUARANTEE PERIOD:** If any may be mentioned.
- DELIVERY OF STORES:** The delivery of the entire Stores at AIR's site shall be completed within 15 days from the date of placement of order. Delivery period may also be quoted separately.

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 **18.08.11**, 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 3.00 P.M. on **18.08.11** 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 (Ninety) 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 oil 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. The 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.

Web Site <http://www.cesairdd.org.in/tenders.html/>  
<http://www.allindiaradio.org/tender.html>  
<http://tenders.gov.in>

Yours faithfully,

Sd/-  
(R.VASUMATHI)  
ASSISTANT ENGINEER  
FOR CHIEF ENGINEER (SZ)

## SPECIFICATIONS FOR TRANSFORMER OIL

Remarks: Conforms to IS:335 – 1993 Specifications.

Sl. No	CHARACTERISTICS	TEST METHOD	SPECIFICATIONS
1	Appearance	Visual	Clear, transparent & free from suspended matter & sediments
2	Density @ 29.5°C, g/cc	IS: 1448 (P-16)	0.89 Max
3	Kinematic Viscosity, vst @ 27°C	IS: 1448 (P-25)	27 Max
4	Interfacial tension, N/m @ 27°C	IS:6104	0.04Min.
5	Flash Point (PMCC) °C	IS:1448 (P-21)	140 Min
6	Pour Point C °C	IS:1448 (P-10)	-6 Max
7	Neutralization Value (a) Total acidity, mg KOH/gm (b) After Filtration	IS: 1448 (P-2)	0.03 Max Nil
8	Corrosive Sulphur for 19 hrs @ 140°C	Annexure-B	Non-Corrosive
9	Electric Strength (Breakdown Voltage), KV (rms) (a) New Unfiltered Oil (b) After filtration	IS:6792	30 Min 60 Min
10	Dielectric dissipation factor (Tan delta) @ 90°C	IS:6262	0.002 Max
11	Specific Resistance (Resistivity) ohm-cm (a) @ 90°C (b) @ 27°C	IS:6103	35 x 10 <sup>12</sup> Min 1500 x 10 <sup>12</sup> Min
12	Oxidation stability 164 hrs @ 100°C (a) Neutralization value, mg KOH/gm (b) Sludge content % by mass	Annexure C	0.4 Max. 0.1 Max
13	Accelerated ageing Test 96 hrs @ 115°C (Open Beaker Method) (a) Sp.Resistance (Resistivity) ohm-cm, @ 27 °C (b) S.Resistance (Resistivity ohm-cm, @ 90°C (c) Dielectric Dissipation Factor @ 90°C (d) Total acidity, mg KOH/gm (e) Total sludge Wt. %	IS:12177 IS:6103 IS:6103 IS:6262 IS:1448(P-2) Annex. A of 12177	2.5x10 <sup>12</sup> Min 0.2x 10 <sup>12</sup> Min 0.2 Max 0.05 Max 0.05 Max
14	Presence of Oxidation inhibitor	IS:13631	The oil shall not contain antioxidant additives.
15	Water content, ppm	IS:13567	50 Max.
16	SK Value % V/V	IS:335, Annex D	8 Max.