



PRASAR BHARTI  
BROADCASTING CORPORATION OF INDIA  
Office of the Chief Engineer  
All India Radio & Television  
Swami Sivananda Salai, Chennai – 600 005.

**SPEED POST**



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

Dated.16.5.2011.

Sub: Enquiry for the Supply of **RF Signal Generator** – Reg.

Dear Sirs,

This office invites sealed quotations for the purchase of **RF Signal Generator** as per the specification mentioned below:-

Sl.No	Description	Qty	Unit/Rate	Amount
1.	Supply of RF Signal Generator as per the Specifications enclosed.	3 Nos.		

**1. CONSIGNEE-**

Main Godown O/o.Chief Engineer(SZ), AIR &Doordarshan, Chennai-5.

**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. The Quotation/Tender shall be accompanied by Earnest Money Deposit of **Rs.27,000/-** in cash/Demand Draft of a Scheduled Bank issued in favour of **Chief Engineer (SZ), AIR & TV, Chennai – 600 005.****

**5. Printed terms and conditions of tendering firms will not be considered as forming parts of their tender.**

**6. GUARANTEE PERIOD:** One year from the date of delivery.

**7. DELIVERY OF EQUIPMENTS:**

a) The delivery of the entire Equipment to consignee shall be completed at the earliest from the date of placement of order. Delivery period may also be quoted separately.

b) Equipments shall be inspected before acceptance.

**8. TECHNICAL MANUALS:** Technical Manuals covering operating instruction, detailed circuit descriptions, schematic/circuit drawings for operation & maintenance/ service, in printed as well as electronic format, shall be supplied along with each equipment.

**9. SPARES:** Essential and recommended spares (Discrete and Modules) shall be quoted separately. If not recommended the same may be specified.

- 10. ACCESSORIES:** The equipment shall be supplied along with all the standard accessories such as connectors for input, output, remote interface and power supply chord etc.
- 11. OPTIONS:** Optional items, if any may be quoted separately.
- 12. 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.
- 13. TERMS OF PAYMENT:** - 100 % Payment on receipt of stores in good working condition at the destination.
- 14.** The quotation should be sent in a sealed cover addressed to the undersigned, by name, so as to reach on or before **03.6.2011 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.**
- 15.** The Quotations will be opened in this office at **3.00 P.M.** on **03.6.2011** in the presence of tenderers or their agents such as they may choose to attend.
- 16. QUOTATIONS NOT PROPERLY SUPERSCRIBED WILL NOT BE CONSIDERED:**
- 17.** 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.
- 18.** 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.
- 19.** In case of supply of any Specific or Manufacturer item, the Manufacturer's Test Certificate should be enclosed with the supply.
- 20. 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.
- 21.** 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.
- 23.** 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.
- 24. AFTER SALES SERVICE:** The Tenderer shall specify the repair/service facility available for the equipment in India with address, Phone/Fax nos., E-mail etc. The supply of Equipment may require after sales services. Therefore full details of facilities for carrying out after sale service may be given.

- 25. 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.
- 26.** 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 15 above unless we hear from you.
- 27. Successful tenderer should deposit 10% of total value of bid amount as performance guarantee in form of Demand Draft / Bank guarantee drawn in the name of " The Chief Engineer (SZ), AIR & TV, Chennai-5" from any nationalized /commercialized bank valid for a period of one year.**

Tenders also available in <http://tenders.gov.in>, [www.allindiaradio.org/tender.html](http://www.allindiaradio.org/tender.html)  
& [www.cesairdd.org.in](http://www.cesairdd.org.in),

Yours faithfully,

**(R.ALAGARSAMY )**  
ASSISTANT ENGINEER  
FOR CHIEF ENGINEER (SZ)

## SPECIFICATIONS

### R.F. SIGNAL GENERATOR

<b>1</b>	<b>Frequency</b> 1.1 Range 1.2 Resolution 1.3 Stability	250 KHz to 2.0 GHz ≤1.0 Hz 1 x10 <sup>-9</sup> y or batter
<b>2.</b>	<b>Spectral Purity</b> <b>2.1</b> Non-harmonics ( offset ≥ +10 KHz)  2.2 Phase noise (20kHz carrier offset, 1Hz Measurement BW) a) <b>At f = 1GHz</b>	< -70 dBc  --120 dBc/Hz
<b>3.</b>	<b>Output level Range</b>	-120 to + 13 dBm
<b>4.</b>	4.1 Digital Modulation a) Modulation Modes  b) Symbol rate	QPSK QAM ( 16, 32 64, 256)  : upto 1.5 Mbps or better (Adjustable)
<b>6.</b>	<b>General</b> 6.1 Temperatue range a) Operating 6.2 Relative humidity 6.3 Power Supply	0 to + 40° C 95% at 40° C 230V ± 10%, 50± 2Hz, single phase