

**By Speed-Post**  
**Extension - II**

PRASAR BHARATI  
(Broadcasting Corporation of India)  
O / O ADDITIONAL DIRECTOR GENERAL (E) (SZ),  
ALL INDIA RADIO & DOORDARSHAN  
Swamy Sivananda Salai, Chennai - 600 005

No. CE (SZ)/PUR/ AIR-IEBR/10/MHLS/2011-12

Date: 09.11.2011

Sub: Enquiry for Supply of Dynamic Cardioid Microphones & Head Phones All India Radio, Bijapur, Karnataka - reg.

Ref: 1. This office enquiry of even No.Dt: 04.10.2011.

2. This office Extension of Due Date letter of even No.Dt: 01.11.2011.

Sir,

This has reference to this office Enquiry letter of even No. Dt.04.10.11 & Extension of Due Date letter of even No. Dt. 01.11.11, referred above, for Supply of Dynamic Cardioid Microphones & Head Phones to All India Radio, Bijapur, Karnataka .

The due date for the opening of quotation is hereby extended up to **18.11.2011 at 3.00 P.M.**

Please submit your quotation before **12.30 Hrs**, on or before **18.11.2011**. All the Terms & Conditions remains same as in the original enquiry.

Yours faithfully,

R.Vasumathi  
Assistant Engineer (PUR)  
For ADG (E) (SZ)

PRASAR BHARATI  
(Broadcasting Corporation of India)  
O / O ADDITIONAL DIRECTOR GENERAL (E) (SZ),  
ALL INDIA RADIO & DOORDARSHAN  
Swamy Sivananda Salai, Chennai - 600 005

No. CE (SZ)/PUR/ AIR-IEBR/10/MHLS/2011-12

Date: 04.10.2011

Sub.: Enquiry for Supply of **Dynamic Cardioid Microphones & Head Phones** - 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.

Sl. No.	Description	Quantity.	Consignee:
	Dynamic Cardioid Microphones. As per Specifications enclosed.	4Nos.	<b>Delivery at:</b> Assistant Engineer, All India Radio, Bijapur, Karnataka.
	Head Phones. As per Specifications enclosed	4Nos.	

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 **Delivery at Consignee's Premises (as mentioned above)** and Inclusive of charges as packing customs, etc., wherever applicable.

3. In case of Quotation of **Delivery at Consignee's Premises (as mentioned above)**, 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 **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:** One year from the date of delivery of Equipments.

7. **DELIVERY OF EQUIPMENTS:** The delivery of the entire Equipment at AIR's site shall be completed within **Two Months** 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 **01.11.11** 12.30 P.M.

10. The quotation should be sent in a sealed cover addressed to the undersigned, by name, so as to reach on or before **01.11.11** 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 **01.11.11** 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.

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>

**Encl:** DG: AIR Specification No: SSE-5001 Dt.April, 2004(Microphone).  
DG: AIR Specification No: SSE-5025 Dt.Nov, 2006(Headphone)

(R.VASUMATHI)  
ASSISTANT ENGINEER  
FOR THE ADG (E) (SZ)

PRASAR BHARATI  
(BROADCASTING CORPORATION OF INDIA)  
DIRECTORATE GENERAL: ALL INDIA RADIO  
(P & D UNIT)

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Specification No. SSE-5001 ✓

Dated: April, 2004.

SPECIFICATION FOR DYNAMIC CARDIOID MICROPHONE

1. GENERAL

- 1.1 This specification briefly describes the electro-acoustical and physical requirements of a high quality dynamic microphone suitable for use inside broadcasting studios. The microphone shall have sturdy construction and shall withstand temperature and humid conditions prevailing in tropical zones without deterioration in quality.
- 1.2 The tenderer must submit following documents along with the tender document:
- (i) A point to point compliance statement highlighting deviations, if any, on all clauses of the specification from the manufacturer of the offered equipment duly signed in original.
  - (ii) Detailed printed literature of the equipment giving complete electrical and mechanical data including detailed dimensions and mounting requirements.
  - (iii) The quote should either be from the manufacturer or their authorized representative/dealer. In case the quote is from the authorized representative/dealer, a certificate from the original manufacturer that the tenderer is authorized representative/dealer should be enclosed with the tender.
- 1.3 The tenderer may be required to submit a sample of microphone for subjective and objective evaluation at the time of technical evaluation in New Delhi, if necessary. Non-submission of sample shall debar the offer from consideration.
- 1.4 Incomplete offers liable to be rejected outright.

2. FREQUENCY RESPONSE

The frequency response shall be within  $\pm 3$  dB over a range of 150 Hz to 12 kHz and having presence going up to maximum of 8 dB peak with reference to 1 kHz in the high frequency range starting from approximately 3 kHz to 10 kHz. BASS roll-off giving roughly 8 to 10 dB attenuation at 50 Hz shall be available.

3. DIRECTIONAL CHARACTERISTICS

3.1 The microphone shall have cardioid/super cardioid pattern over frequency range of 250 Hz to 4 kHz.

3.2 Typical polar diagrams at different frequencies shall be supplied with the tender.

4. FRONT TO BACK RATIO

The front to back ratio shall be at least 10 dB from 250 to 4 kHz along vertical axis.

5. SENSITIVITY

The sensitivity shall be equal to or better than 2.4 mV/Pa (-52.4 dBV - reference 0 dBV = 1 volt/Pa)

6. OUTPUT IMPEDANCE

Not more than 600 ohm.

7. HUM PICKUP

In a 50 Hz A.C. field of 0.001 Gauss, the hum pickup by the microphone shall not exceed -130 dBV. (reference 0 dBV = 1 volt).

8. DISTORTION

The total harmonic distortion shall not exceed 1% at SPL at 120 dB at 1 kHz.

9. WEIGHT

Net weight of the microphone, without cable, shall not exceed 350 gms.

10. VIBRATION ISOLATION

The microphone shall have shock proof mounting to reduce mass related or "SEISMIC" type vibrations without compromising its acoustic properties.

11. ACCESSORIES

11.1 Standard accessories manufactured by original manufacturer of the microphone like carrying case, stand adapter and gold plated mating connectors (a pair of male and female) shall be supplied along with the microphone.

11.2 Adaptors, accessories and stands suited for the microphones and not included as standard accessories shall be quoted separately as additional items and shall be accompanied by illustrative leaflets.

12. TESTS

Each microphone shall be accompanied with its test data sheet incorporating sensitivity, polar pattern, frequency response etc. from the manufacturer.

13. ENVIRONMENTAL CONDITIONS

The microphone shall be suitable for operation within dry temperature range of 0 °C to +45 °C and humid conditions of 90% RH at 40 °C.

14. INSPECTION

The inspection of microphones will be carried out at the supplier's premises free of cost. Inspection will include physical checkup & subjective listening of 100% microphones. Frequency response, polar pattern and THD of at least 3% of microphones shall be measured at a mutual agreed laboratory/institute at supplier's cost. All the necessary equipment for carrying out the inspection will be arranged by the supplier.

15. GUARANTEE

The equipment shall be guaranteed for satisfactory performance and against all manufacturing defects for a period of one year from the date of supply. Servicing facility shall exist for servicing of the quoted equipment within India.

**PRASAR BHARATI  
BROADCASTING CORPORATION OF INDIA)  
DIRECTORATE GENERAL: ALL INDIA RADIO  
PLANNING & DEVELOPMENT UNIT.**

**SPECIFICATION FOR STUDIO HEADPHONE WITH VOLUME CONTROL**

**1. GENERAL**

The headphone shall be designed to reproduce full audio spectrum faithfully (without any colouration) for quality monitoring in broadcast studios. It shall be lightweight in construction and shall have provision for stereo/mono monitoring. Left and right earpieces shall be matched to reproduce stereo images correctly. The headphone shall have integrated volume control.

**2. ELECTRICAL REQUIREMENTS**

The headphone shall conform to the following electrical requirements:

- a) Frequency range : The headphone shall reproduce faithfully a range of 40-16000Hz.
- b) Electrical impedance : 2 x 50 ohms
- c) Sensitivity at 1 KHz : 90 dB SPL for 1mw input.
- d) Max. power handling Capacity : 200 mW
- e) Total harmonic distortion : 0.5% at max. permissible input level.

**3. MECHANICAL REQUIREMENTS**

The diagram may be made of hard polyvinyl chloride or similar material and housed in polystyrene housing. The ear cushions shall be circum-aural / super-aural and may have foam filled material. The headphone shall be comfortable for extended use.

The headphone shall further conform to the following mechanical requirements.

- a) The head strap shall be made of spring steel wire encased in or supported by leather or flexible plastic and the length shall be adjustable.
- b) Average pressure on ears : Max 4 / 6 N
- c) Cord of at least 5 m length shall be provided. The cord may be detachable.

- d) Standard stereo/mono phone plug 6.35 mm dia. shall be provided.
- e) The headphone shall have integrated volume control.
- f) Weight of the headphone without cord shall not exceed 250 grams.

**4. GUARANTEE**

The headphone shall be guaranteed against any manufacturing and design defects for a minimum period of one year.

**5. SAMPLE**

A sample of the offered headphone shall be supplied along with the tender for evaluation. Due weightage shall be given for subjective performance of the headphone. Tenders, which are not accompanied by the sample, shall not be considered. The sample shall be returned after evaluation.

*Sm*  
26/8/11

*h*  
29/8/11