

**Centre for Applied Research in Electronics  
Indian Institute of Technology, Delhi**

Dated: 19<sup>th</sup> December 2016

**Notice Inviting Quotation for Supply of Microphones and accessories**

Due Date & Time: 4<sup>th</sup> January 2017, 5:00 pm

Sealed quotations are invited for the Supply of microphones (4 nos.) of reputed brand with the minimum specifications given below. The envelope may have the heading "Bid for Microphones".

**Microphone (4 nos.):**

S. No.	Item	Required Specification
1	Type	Condenser Microphone
2	Pick-up pattern	Omni-directional
3	Frequency Response	20 Hz – 20 KHz $\pm$ 2.5 dB
4	Sensitivity	5 mV/Pa $\pm$ 2.5 dB
5	Nominal Impedance	1000 $\Omega$
6	Minimum terminating impedance	4.7 K $\Omega$
7	Equivalent noise level	< 40 dB (CCIR 468-1) / < 28 dB (A-weighted DIN IEC 651)
8	Diameter	< 3.5 mm
9	Cable	Length $\geq$ 1.5 m, diameter $\leq$ 1mm
10	Weight (w/o connector and cable)	$\leq$ 0.1 g

**Compatible phantom power adaptor (4 nos.):**

S. No.	Item	Required Specification
1	Frequency Response	20 Hz – 20 KHz -1 dB
2	Pre-attenuation, switchable	0/-12 dB
3	Roll-off filter, switchable	125 Hz (-3 dB), 12 dB/oct
4	Max. output voltage at 0 dB pre-attenuation -12 dB pre-attenuation	1.8 V (P48); 0.6 V (P12) 0.45 V (P12 – P48)
5	Noise voltage at the output	CCIR: 12 $\mu$ V (0/-12 dB) A: 3 $\mu$ V (0/-12 dB)
6	Power supply	P12 – P48 10 – 52 V 2.6 – 2.8 mA
7	Connector	XLR-3 M
8	Input socket	3.5 mm jack socket, lockable
9	Dimensions	$\varnothing$ $\leq$ 22 mm, L $\leq$ 100 mm
10	Weight	< 80 g

**Terms and conditions:**

1. The model numbers must be mentioned along with the technical datasheet.
2. The bid must mention if the products comply with the required specifications.
3. The quotation must have a validity of at least 60 days.
4. The items must be covered with a warranty of 2 years.
5. If the quotation is submitted by representative of Principals / Manufacturers, a valid Agency / Dealership Certificate of the latest date should be enclosed. Else the bid will be rejected.
6. Quotation must clearly give a delivery schedule, which in no case should exceed 45 days from the date of placement of order.
7. Incomplete quotations will be summarily rejected.
8. The Institute reserves the right to accept or reject any or all of the quotations without assigning any reasons.
9. Payment will be made after delivery within 30 days as per IIT norms. Advance payment is not allowed.
10. The bids must be submitted exclusively in INR.

Sealed quotation marked “Bid for Microphones” may be submitted to the undersigned by the due date mentioned above.

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