



Indian Institute of Technology Madras

I.I.T.P.O., MADRAS-600 036

STORES & PURCHASE SECTION

Ref.No.

ACD	VJK	CRC	03
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Date: 10/09/2018

Dear Sirs,

DUE DATE: 17/09/2018

1. Tender for **Audio System in CRC**

Scope: (a). To supply the following items (specification attached)

(1) UHF wireless microphone: 6 Nos

2. The Quotations are to be in two bid system as : Technical bid and Commercial bid. Two parts of the offer are to be clearly marked on the envelopes. The two parts of the offer in a separate envelop must enclosed in the one bigger envelop duly sealed and superscribed with reference number and due date and, should be addressed to the undersigned so as to reach him on or before the due date stipulated above. A blank price quote (identical to the Commercial bid with numbers removed) should be enclosed with the Technical Part.
3. The Quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
5. Local Firms : Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
6. Firms Outside Madras : Quotations should be for F.O.R. Madras. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
7. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
8. Goods should be supplied carriage paid and insured.
9. Goods shall not be supplied without an official supply order.
10. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later

Yours faithfully

DEAN, ACADEMIC COURSES
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI - 600 036, INDIA

Technical Specification : Audio System for CRC

1. Item Description: UHF wireless microphone

Quantity: 6 Numbers

Specification:

S.No	Description	Specification
1	System	
	Modulation mode	Wide band FM
	Frequency Range	A: 548 to 572 MHz GB: 606 to 630 MHz B: 614 to 638 MHz C: 766 to 790 MHz D: 794 to 806 MHz E: 821 to 832 MHz and 863 to 865 MHz K: 925 to 937.5 MHz
	Switching Bandwidth	up to 24 MHz
	Number of channel	Frequencies 8 frequency banks, each with up to 10 factory-preset channels
	SNR	>103dBA
	THD	<0.9%
	Transmitter synchronization	2.4 GHz, Low Power OQPSK (only active during synchronization)
2	Receiver	
	Receiver Principle	Double superheterodyne
	Diversity principle	PLL
	Sensitivity (at peak deviation)	< 3 μ V at 52 dB(A)rms S/N
	AF frequency response	50 to 16,000 Hz (-3 dB)
	Audio adjustment range	45 dB, adjustable in 5-dB steps
	Power supply	12V, 300mA
	Power Adapter	Should be provided to operate from 230V,50Hz AC (Adapter output voltage: 12V, Current 500mA)
3	Transmitter	
	RF output power	10 mW
	AF frequency response	Mic: 50-16,000 Hz
	Audio Input	3.5 mm jack socket
	Max. input voltage (Mic/LIne) at 3% THD	typ. 1.V rms Mic / typ. 2.6 V rms Line at -30 dB gain
	Transducer principle	condenser, pre-polarized
	Sensitivity	20 mV/Pa
	Pick-up pattern	omni-directional
	Max. SPL	130 dB
	Powered by	2 x 1.5V AA Size
	Battery life	10 Hours


