



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Visitors' Hostel & Allied Facilities

Phone: +91 512 259 6666

+91 512 259 7202

+91 512 259 7235

No. VH/IITK/12-13/002

October 23, 2012

Sub: "Enquiry-Cum-Quotation for Up-gradation of Existing AVSI System under Buyback Scheme"

Dear Sir/Madam,

Sealed quotations are invited from the supplier/distributors of branded equipment, as per the specification mentioned below, for In-charge, Outreach Centre, I.I.T Kanpur latest by 1700 hrs on 29th Oct. 2012.

S No	Make	Description	Qty
1. FRONT OF HOUSE			
1.1	JBL, Bose	FOH Speakers with 150W@8 ohm rating, Components: 5.25 in Polypropylene coated woofer, .75 in Titanium coated horn loaded tweeter. , Built-in InvisiBall® mounting hardware*. Weather resistant enclosure and transducers. Readily paintable. 90° x 90° high frequency horn. Overload Protection Circuitry. Sensitivity: 88 dB SPL, 1W, 1m. Frequency Range : 80 Hz to 16 kHz (-10 dB), Power Capacity : 150 W Continuous Program Power 75 W Continuous Pink Noise., Sensitivity : 88 dB SPL, 1 W, 1m.	2
1.2	Crown, Sony	Amplifier with 240W/channel @ 8 ohms, □ Housed in a rugged, all-steel 2U chassis (3U in the XLS 5000) □ Efficient forced-air fans prevent excessive thermal buildup □ Electronically balanced XLR inputs; touchproof binding post and Speakon® outputs □ Precision detented level controls, power switch, power LED, and six LEDs which indicate signal, clip and fault for each channel, Frequency Response (at 1 watt, 22 Hz - 20 kHz) +0 dB, -1 dB, Total Harmonic Distortion (THD) at 1 full bandwidth power, from 20 Hz to 1 kHz, < 0.5%,	1
2. STAGE MONITORS			
2.1	JBL, Bose	FOH Speakers with 300W@8 ohm rating, Extended bandwidth, extremely smooth Frequency response 110° x 85° HF coverage, rotatable horn. 110 Watt transformer for 70V or 100V lines, with 8Ω thru. Sonic Guard overloads protection. 200 mm (8") Kevlar cone woofer,™ 25 mm (1") titanium diaphragm compression driver. Mounting hardware, plus ten 6 mm attachment points for suspension and optional U-bracket. Includes InvisiBall™, Sealed input panel cover and screw down input terminals.	2
3. PROCESSORS & ELECTRONICS			
3.1	Soundcraft, Sony, Yamaha	16Channel mic mixer with inbuilt effects processor, 26 inputs , 16 mono microphone channels. 4 stereo returns, 4-bus architecture, with sub-group routable to mix, Built-in 24 bit Lexicon digital effects processor, 32 FX settings , Tap Tempo, 3 FX parameter adjust rotaries, User FX settings store function, Direct outputs for multi-track recording individually switch-able for pre-post-fade operation, Inserts on all mono channels, Inserts on stereo mix output ,Classic Soundcraft 3-band EQ with swept mid-band , Stereo 18dB/octave 100Hz high-pass filter , Dual global +48V phantom power split channels 1-8 and 9-16 , Channel Mute control , 10-segment tri-coloured metering , Two sub-group outputs , Separate mono sum output , Integral universal power supply	1



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Visitors' Hostel & Allied Facilities

Phone:

+91 512 259 6666

+91 512 259 7202

+91 512 259 7235

3.2	Kramer/Extron	1:6 distribution VGA + audio Distribution amplifier, Number/signal type6 VGA-UXGA RGBHV, RGBS, RGSB, RsGsBs computer video, and HDTV component video Connectors6 15-pin HD female Nominal level0.7 Vp-p for RGB Minimum/maximum levelsAnalog: 0.3 V to 1.5 Vp-p with no offset Impedance75Ω Horizontal frequency15 kHz to 145 kHz Vertical frequency30 Hz to 170 Hz Return loss-40 dB @ 5 MHz Input couplingDC, Output Number/signal type1 VGA-UXGA RGBHV, RGBS, RGSB, RsGsBs computer video, and HDTV component video Connectors(1) 15-pin HD female Nominal level0.7 Vp-p for RGB Minimum/maximum levels0.3 V to 1.5 Vp-p (follows input) Impedance75Ω Return loss-43 dB @ 5 MHz DC offset±5 mV maximum with input at 0 offset	1
3.3	Behringer/Sony	Headsets	1
4. MICROPHONES			
4.1	AKG, Shure	Handheld wireless microphone	4
4.2	AKG, Shure	Wireless lapel microphones	4
5. OTHER SOURCES			
5.1	Kramer , Extron	Input:- 4 VGA/XGA on HD-15F connectors, 4 s-Video, 1Vpp (Y), 0.3Vpp (C)/75Ω on 4p connectors, 4 composite video 1Vpp/75Ω on BNC connectors. Each input is accompanied by the appropriate balanced audio stereo channels: + 4dBm/50 kΩ on detachable terminal block connectors. Mic: 3 mV/10 kΩ condenser/dynamic on an XLR connectors Output: x VGA/XGA, 1 s-Video - 1Vpp (Y), 0.3Vpp (C)/75Ω on a 4p connector,1 composite video 1Vpp/75Ω on a BNC connector. Each output is accompanied by the appropriate audio stereo channel: + 4dBm/150Ω,;1 Master audio + 4dBm/150Ω. BANDWIDTH (-3dB): XGA/VGA: 315MHz; s-Video (Y): 260MHz; composite video: 470MHz; audio: 40kHz.	1
5.2	UPS	5 KAV online UPS System with ½ hour battery backup	1
6. BASIC VIDEO REINFORCEMENT			
6.1	Infocus, Hitachi	4000 ANSI Lumens Multimedia Projector SXGA (1400X1050), with 2 VGA,1 CV, 1 SV and 1 Component Video input, Standard Projection Lens Manual Focus and Zoom. Four Optional Lenses Available Zoom Ratio 1.2:1 Throw Ratio 1.5 - 1.8:1 (distance/image width), F No. 1.74 - 2.06, Minimum Distance 3.75 ft / 1.14 m,	1
6.2	Infocus, Hitachi	Ultra Long Throw Projection Lens (LENS-040) Zoom Ratio 1.85:1, Throw Ratio 3.9-7.4:1, F No. 2.24-3.10 Throw Ratio 1.7:1-2.1:1, Short Throw Projection Lens (LENS-038), Zoom Ratio 1.6:1, Throw Ratio 1.2-2.0:1, F No. 1.94-2.55	1

Terms & Condition:-

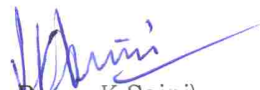
1. The quantity may be decrease or Increase at the time of finalization and the equipment will be installed in the Outreach Centre, IIT Kanpur.
2. The indenter reserves the right to withhold placement of final order.



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Visitors' Hostel & Allied Facilities

Phone: +91 512 259 6666
+91 512 259 7202
+91 512 259 7235

3. The indenter reserves the right to change specification without notice if it found suitable for the proposed usage.
4. The committee is free to reject any bid without assigning any reason whatsoever if it suspects that the bidder has intentionally kept the lowest price in order to achieve the status of L-I and the committee feels that quality of the items would be compromised by the bidder at the time of delivery.
5. Partially quoted is not accepted.
6. The committee is free to reject any bid without assigning any reason whatsoever if it suspects that the bidder has intentionally kept the lowest price in order to achieve the status of L-I and the committee feels that quality of the items would be compromised by the bidder at the time of delivery.
7. An EMD of Rs.50, 000/- in the form of FDR in favor of the Director, I.I.T Kanpur for a period of 6 months should be attached in a separate envelope. No interest shall be paid on the FDR.
8. All the bidder shell is provide AVSI order copy (last 4 year) in Kanpur region.
9. Two Bid Systems. One Technical Bid & One Financial Bid.
- 10 The items should carry a minimum of one year warranty period for its workmanship and for the used material in normal uses. Items that require replacement or repair due to defects in material or workmanship during the warranty period shall have to repaired or replaced at no cost to the institute.


(Dr. Pavan K Saini)
Officer In-Charge,
VH & Allied Facilities
