



Krishna Kanta Handiqui State Open University

Patgaon, Rani, Guwahati-781017

Advertisement no: KKHSOU/Advt./2017/40

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Quotations are invited for items used in Multimedia Production Unit. The following items are required from authorized dealer/distributors to be supplied and installed to the University office situated at Patgaon, Rani Gate Guwahati -17.

Sl. No	Name of the item	Total no.	Requirement	Rate
1	4 GB memory card	4	For audio recording	
2	Sound Card*	1	For audio editing	
3	Lavellier microphone or Lapel microphone	2	Microphone or Lapel microphone for interview purposes	
4	Headphones*	4		

The quotation addressed to the Registrar should reach the University office on or before 20th June, 2017.

- Specification are given separate papers.

Sd/-

Date: 12/06/17

Registrar

- **Headphones**

TECHNICAL SPECIFICATION

1. Essential features of Headphone

- i) The headphone shall be designed to reproduce full audio spectrum (without any coloration) for quality monitoring in broadcast studios.
- ii) It shall be lightweight in construction and shall have provision for stereo/mono monitoring.
- iii) Left & right earpieces shall be matched to reproduce stereo images correctly.
- iv) The headphone shall have padded headband so that it is comfortable for extended use.

2. Electrical Specification :

- i) Frequency Range: The headphone shall reproduce faithfully audio in the range of 20-22000hz.
- ii) Electrical impedance : Less than 75 ohms/Channel.
- iii) Sensitivity at 1 KHz : 100 dB SPL at 1 mW input
- iv) Max Power handling capacity : 100 mW
- v) Total harmonic distortion : 0.5% at max. permissible input level.

3. Mechanical requirement :

- i) Headphone Diaphragm material : Hard polyvinyl chloride or similar
- ii) Ear-pads Material : Leatherette and velvet
- iii) Sound coupling to ear/Transducer : Circum-aural/super aural
- iv) Average pressure on ears : Max 4/6 N
- v) Cord Length (may be detachable) : At least 5 Meter
- vi) Phone Plug : Gold plated stereo mini jack (3.5 mm) with gold plated screw-on adaptor (3.5 mm to 6.35 mm)
- vii) Head-strap shall be adjustable.

- **Sound Card Specification**

General

Sample rates (kHz): 44.1/48/88.2/96/176.4/192

Main Inputs

Max input: +14.0dBu (+4dBu setting), +6dBV (Consumer Setting), 0dBV (-10 DBV setting)

Dynamic range: 99dB @ (A-weighted)

THD +N: Less than 0.0024%, (at 0 dBFS)

Frequency response: 20Hz to 20kHz \pm 0.3dB,

Impedance 10K Ohms minimum

Main Outputs

Max output: +14.0dBu (+4dBu setting), +6dBV (Consumer Setting), 0dBV (-10 DBV setting)

Dynamic range: 103dB (A-weighted)

THD + N: Less than 0.0015%, (at 0 dBFS)

Frequency response: 20 Hz to 20kHz, \pm 0.3dB

Impedance (unbalanced): 150 Ohms