

## Annexure A

**Name of the Work:** Designing, Supplying, Installation, Integration, Testing and Commissioning of Audio Visual Conferencing & Control System for Forest Department Building at North Block, Sector -19, Naya Raipur(C.G.)

NIT No.: 08/FDB-AV/EEC-IV/CE(E)/NRDA/2017-18,Naya Raipur, Dated: 26.04.2017

Sl. No.	Item Code in BOQ	Description As in BOQ	Modified Specification	Remark
1	<b>Conference Controller (Sr.No.1)</b>	<b>Conference Controller:</b> Fully Digital Central Conference Controller Unit, Frequency response 20 Hz to 16 kHz or better, Insertion for SD card up to 32 GB and record button to record audio signals, System Connection 2 x RJ45 socket, Conrol/ Service RS 232 interface 9-pin Sub-D socket, Temperature range 0 to +40 °C etc. <b>Make: Beyerdynamic / DIS / Brahler / Televic</b>	Fully Digital Central Conference Controller Unit, Frequency response 20 Hz to 16 kHz or better, Insertion for SD card or <b>USB Port upto</b> 32 GB and record button to record audio signals, Connection with redundancy, System Connection 2 x RJ45 socket, Conrol/ Service RS 232 interface 9-pin Sub-D socket, Temperature range <b>5</b> to +40 °C etc. <b>Make: Beyerdynamic / DIS / Brahler / Televic</b>	<b>No External Recorder</b>
2	<b>FOH Speakers (Sr.No.4)</b>	<b>FOH Speakers:</b> SITC of Loudspeakers with Drivers 1 x 8" LF / 1 x 1" HF, Frequency range -70 - 20000 Hz, Power capacity programm / peak: 400 / 800 W , Impedance-8 Ohm Coverage range (h x v) 90° x 60° HF-horn, rotatable, Sensitivity 1 W / 1 m - 95 dB ;SPLmax / 1 m / peak -124 dB, Connectors 4 Speakon NL4 Finish Warnex structure paint <b>Make: Bose / Martin Audio / Community / JBL / T W Audio</b>	SITC of Loudspeakers with Drivers 1 x 8" LF / 1 x 1" HF, Frequency range -70 - 20000 Hz, Power capacity programm / peak: 400 / 800 W , Impedance-8 Ohm Coverage range (h x v) 90° x 60° HF-horn, rotatable, Sensitivity 1 W / 1 m - <b>93 dB</b> ;SPLmax / 1 m / peak -124 dB, Connectors 4 Speakon NL4 Finish Warnex structure paint <b>Make: Bose / Martin Audio / Community / JBL / T W Audio</b>	
3	<b>LCD/ DLP Projector with Lens as per site requirement &amp; Dual Lamp (Sr.No.10)</b>	<b>LCD/ DLP Projector with Lens as per site requirement &amp; Dual Lamp</b> DLP, XGA (1024 x 768) / WXGA (1280 x 800) / WUXGA (1920 x 1200), 7700 / 6700 / 7000 lmns (Dual lamps, Standard lens), 2800:1, <b>Make: Christie / Barco / Sony / Ben Q</b>	<b>LCD Projector with Lens as per site requirement &amp; Dual Lamp:</b> WUXGA (1920 x 1200), 7000 lmns (Dual lamps, Standard lens), Contrast Ratio: 2800:1 <b>Make: Christie/ Sony / Barco/ Hitachi</b>	<b>LCD Only</b>

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4	<b>Ceiling Speakers (Sr.No.32)</b>	<b>Ceiling Speaker:</b> Frequency Range: 65 Hz - 20 kHz, Power Capacity: 60 Watts Continuous Pink Noise, Nominal Sensitivity: 90 dB SPL, 1W @ 1 m, 110° conical coverage, Rated Maximum SPL: 107 dB, Low-Frequency transducer: 152 mm (6 in) Polypropelene-coated 1" coil on aluminum former & High-Frequency transducer: Titanium coated polyester, Transformer taps: 70V/100V etc. <b>Make; Bose / Martin Audio / Community / JBL / Sonodyne / Tannoy</b>	Ceiling Speaker, Frequency Range: 65 Hz - 20 kHz, Power Capacity: 60 Watts Continuous Pink Noise, Nominal Sensitivity: <b>91 dB SPL, 1W @ 1 m</b> , 110° conical coverage, Rated Maximum SPL: 107 dB, Low-Frequency transducer: 152 mm (6 in) Polypropelene-coated 1" coil on aluminum former & High-Frequency transducer: Titanium coated polyester, Transformer taps: 70V/100V etc. <b>Make: Bose / Martin Audio / Community / JBL / Sonodyne / Tannoy</b>	
5	<b>LCD/DLP Projector with Lens as per site requirement (Sr.No.35)</b>	<b>LCD/DLP Projector with Lens as per site requirement</b> WUXGA (1920 x 1200), Brightness: 5000 AL, Contrast Ratio: 3000:1, Native: 16:10, Image Size: 60"~240", Zoom Ratio: 1.6X, Lamp Type: 370W, Lamp Life: 2000/2500 Hrs, Resolution: VGA (640 x 480) to UXGA (1600 x 1200), HDMI Input:2, Computer in (D-Sub, 15 pin), Speaker: 10W x 2, RS 232 (DB-9pin), IR Receiver x 2, <b>Make: Christie / Barco / Sony / Ben Q</b>	<b>DLP Projector with Lens as per site requirement:</b> WUXGA (1920 x 1200), Brightness: 5000 AL, Contrast Ratio: 3000:1, Native: 16:10, Image Size: 60"~240", Zoom Ratio: 1.6X, Lamp Type: 370W, Lamp Life: 2000/2500 Hrs, Resolution: VGA (640 x 480) to UXGA (1600 x 1200), HDMI Input:2, Computer in (D-Sub, 15 pin), Speaker: 10W x 2, RS 232 (DB-9pin), IR Receiver x 2, <b>Make: Ben Q / Hitachi / Panasonic / Christie</b>	<b>DLP Only</b>

**Note: The Changes made are only in the specification for the item as above.**

**For other items the specification remain same. All other terms & conditions remain same. This shall form part of the agreement.**