

MODERN AUDIO VIDEO SYSTEM – 1No.
Doc. No: ST/12/Audio System/2016-17/35

FRONT SPEAKERS : 8" Two-way, Indoor System -2nos.

SITC of a high output, two way passive speaker system with single 8" driver. Must be able to handle a long term power of 200W, and a peak of 800W RMS at a nominal impedance of 8 ohms. Frequency range output 48Hz -20kHz (-10dB). It should have a horizontal coverage angle of 90 degrees or more and vertical coverage angle of 50 degrees or more. Must have a very high axial sensitivity of 94 dB/1W/1m, and produce a maximum SPL of 123 dB or more. Must contain integrated mounting bracket for mounting the speaker.

DELAY SPEAKERS: 8" Two-way Indoor system-2nos.

SITC of a high output, two way passive speaker system with single 8" driver. Must be able to handle a long term power of 200W, and a peak of 800W RMS at a nominal impedance of 8 ohms. Frequency range output 48Hz -20kHz (-10dB). It should have a horizontal coverage angle of 90 degrees or more and vertical coverage angle of 50 degrees or more. Must have a very high axial sensitivity of 94 dB/1W/1m, and produce a maximum SPL of 123 dB or more. Must contain integrated mounting bracket for mounting the speaker.

STAGE MONITORS: 200 Watt 8" 2 way Speaker System 8" 2 way S-2nos.

SITC of a high output, two way passive speaker system with single 8" driver with a non-wood cabinet. Must be able to handle a long term power of 200W, and a peak of 800W RMS at a nominal impedance of 8 ohms. Frequency range output 48Hz -20kHz (-10dB). It should have a horizontal coverage angle of 90 degrees or more and vertical coverage angle of 50 degrees or more. Must have a very high axial sensitivity of 94 dB/1W/1m, and produce a maximum SPL of 123 dB or more. Must have an integral body angle for use as a stage/foldback monitor.

AMPLIFIER FOR FRONT AND DELAYS :Power Amplifier, 2x450W @ 4ohms-1no.

SITC of Dual channel power amplifier with specification as below or BETTER to suit the power requirement of proposed speakers; Max Midband Output Power:430W @ 4 ohms,210W @ 8 ohms, Frequency Response:20Hz - 20 KHz, THD:<0.1%,Max input level:+21dBu,input impedance:20kohm, signal to noise ratio : >102dB ,with built in protection such as Audio Limiters, Temperature, DC, HF Short Circuit, Peak Current Limiters, Turn on delay operating on 230VAC, 50Hz.

AMPLIFIER FOR STAGE MONITORS :Power Amplifier, 2x450W @ 4ohms-1no.

SITC of Dual channel power amplifier with specification as below or BETTER to suit the power requirement of proposed speakers; Max Midband Output Power:430W @ 4 ohms, 210W @ 8 ohms, Frequency Response:20Hz - 20 KHz, THD:<0.1%,Max input level:+21dBu,input impedance:20kohm,signal to noise ratio : >102dB ,with built in protection such as Audio Limiters, Temperature, DC, HF Short Circuit, Peak Current Limiters, Turn on delay operating on 230VAC, 50Hz.

WIRELESS HANDHELD :Handheld Wireless Mic with Cardioid pattern, Dynamic microphone-1no.

SITC of Handheld Wireless Mic with Cardioid polar pattern, Dynamic microphone ,frequency response 80Hz-18kHz,RF sensitivity < 1.0 Uv, Image rejection>55dB,Dyanmic range >95dB and receiver having 32 channels possible, S/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz, modulation:+/-40kHz

WIRELESS LAPEL :Wireless Mic Lapel with condenser, response 100Hz-15kHz, Cardioid polar pattern-1no.

SITC of Wireless Mic Lapel with condenser, frequency response 100Hz-15kHz, Cardioid polar pattern,, RF sensitivity < 1.0 Uv, Image rejection >55dB, Dynamic range >95dB and receiver having 32 channels possible, S/N ratio >100dB A, dynamic range >95dB B, distortion <1 %, frequency band: 618-634MHz, modulation: +/-40kHz **18"**

GOOSENECK MIC :Freestanding Gooseneck Mic with base for podium having back electret condenser microphone element-1no.

SITC of Freestanding Gooseneck Mic with base for podium having back electret condenser microphone element, Hyper Cardioid polar pattern, programmable switch for Push to Talk or Push to Mute, LED mic status display, frequency response 55Hz-20kHz, sensitivity 5.5mV/Pa, clipping level >130dB SPL, output impedance 200 ohm.

WIRED VOCAL MIC :Corded Vocal Microphone with Dynamic Neodymium Magnet microphone-2nos.

SITC of Corded Vocal Microphone with Dynamic Neodymium Magnet microphone element, with frequency response 50Hz-18kHz, Cardioid polar pattern, sensitivity of 3.2mV/Pa and output impedance 600 ohm

MIXER: 12 Channel microphone mixer – 1no.

12 channel audio mixer 6mic/12 line inputs (4 mono + 4 stereo) in remarkably lightweight, portable design with operating voltage 230VAC and 50Hz. .

High-quality Neutrik™ balanced XLR connectors on mono microphone/line channels and XLR-equipped stereo channels.

Two AUX with master send controls for convenient processing and monitoring

Return level controls for the AUX and STEREO buses.

Digital meters for visual level monitoring & rack mountable

DVD Player : SITC of DVD/CD player with MP3, audio files over CD-R/RW disc with frequency response dynamic range : 98dB, signal to noise ratio : 108dB, total harmonic distortion : 0.003%, digital output : optical/coaxial with operating voltage : 230VAC and 50Hz.

LCD Projector:

SITC of LCD Projector, 4500 Lumens Brightness, XGA Resolution, Wireless Projection, Panel Size 16.0mm (0.63in) diagonal (4:3 aspect ratio)

Display method Transparent LCD panel (x 3, R/G/B)

Pixels 786,432 (1024 x 768) pixels

Lens manual zoom (1.6x) (throw ratio: 1.2-1.9:1), manual focus, F 1.60-2.12, f 15.30-24.64 mm

Screen size (diagonal) 0.76-7.62m (30-300in), 4:3 aspect ratio

Resolution 1,024 x 768 pixels*3

Brightness*2 4,500 lm (input signals: PC, lamp power: Normal, picture mode: Dynamic)

Motorised Screen: SITC of 120" diagonal matt white motorized screen, 4:3 aspect ratio

Ceiling mount kit: SITC of ceiling mount kit for projector

Essential :

1. To supply required Speaker cable – 2core 2.5 sq.mm for loudspeakers.
2. To supply required Speaker Cable – 2core 4sq.mm for sub-woofers
3. To supply required 2 core shielded microphone cable and 15meters VGA cable
4. To supply required speaker sockets/phono socket/connectors with suitable accessories
5. To supply all the necessary cables and accessories like PVC Conduite, loud speaker cable, microphone cables
6. To quote for suitable rack to house the entire audio system.
7. To quote for branded PC with latest configuration and necessary interconnectivity cables to integrate with the audio-video system.

THE OFFER SHOULD BE COMPLETE IN ALL RESPECTS ALONG WITH COMMISSIONING INSTALLATION & TESTING.

Only below branded makes with local service support should quoted.

Makes :

AV System: EV, Martin Audio, Nexo, Tannoy, Shure,
Mixer : Yamaha, Behringer, Allen & Heath
DVD Player : Sony, Denon, Philips
LCD Projector : Panasonic, Nec, Barco
Motorized screen : Liberty, Draper, dalite
VGA/ Speaker cables : Bestnet/mx, Finolex, Neutrik etc