

Tender No : 04026/2021-2022/23479  
 Name Of Work : Supply, Erection & commissioning of mini conference hall communication system in FACT-CD, Ambalamedu  
 Completion Period : 45 Days  
 Guarantee Period : All the items supplied must be guaranteed for one year unless specified

I hereby submit my / our lowest rates for carrying out the above mentioned work. The work will be carried out strictly as per instruction of the Engineer-in-charge. I / We also agreed to carry out the works per the General and Special Conditions of the contract which I / We have signed and attached herewith as a token of acceptance of the same.

SLNo.	Description	Nature	Unit	Quantity	Rate	Amount
<b>Supply, Erection &amp; commissioning of mini</b>						
1.	CD-ELE-CFH-01 Supply of medium wattage PA mixer amplifier having following specifications: Power Input: 230V AC,50HZ Power Output: 160W Max,120W RMS at10%THD,105W RMS at 5%THD,95WRMS at2%THD Output Regulation: # 2 dB, no load to full load at 1kHz Input Channels: 5 × Mic 0.65mV/4.7k#, 2 × Aux 100mV/470 k# Frequency Response: 50-15,000Hz ±3dB Signal to Noise Ratio: 60dB Tone Controls: Bass: ±8dB at 100Hz, Treble: ±8dB at 10kHz Output: Preamp 200mV/600#, Line 1V/1k# Speaker Outputs: 4#, 8#, 16#, 70V & 100V Digital Player: MP3 Player with USB, SD and MMC Card Reader Make: Ahuja/Studiomaster/Yamaha or Equivalent	RATE	NO	1	_____	_____
2.	CD-ELE-CFH-02 Supply of cordless microphone system having following specifications: Microphone Type: High quality 4 channel UHF wireless microphone system Features:	RATE	NO	1	_____	_____

Date: \_\_\_\_\_

Signature and Address Of Contractor

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SLNo.	Description	Nature	Unit	Quantity	Rate	Amount
	# 4 channel UHF Microphone System with 4 conference microphones. # Individual channel frequency display on receiver & Transmitter # All 4 Transmitters ( Microphones ) can be used at the same time with one receiver # Individual channel volume control Polar Pattern: Cardioid Frequency Response: 50Hz # 16KHz Receiver: 4 Channel Non-Diversity Output: Individual channel XLR out & ¼" Jack mix out Make: Studiomaster/Shure or Equivalent.	RATE	NO	2	_____	_____
3.	CD-ELE-CFH-03 Supply of Wall mount 60W loud speaker system having following specifications: Size: 6" woofer and 1" Tweeter speakers installed in high quality ABS enclosure. Features: # Compact, versatile & weather resistant hi-fidelity system with clear sound reproduction # Great sensitivity, dispersion & wide frequency range # Ergonomically designed to integrate in any architectural environments. # Convenient mounting accessories shall be provided Frequency : 80Hz-20KHz Make: Studiomaster/JBL or Equivalent.	RATE	NO	1	_____	_____
4.	CD-ELE-CFH-04 Supply of video conference camera system with following specifications: Connection/Interface: USB interface, Wall mount/Ceiling mount 3mtr USB 3.0 cable, Visca to RS232 control. Video Resolution: 1920 x 1080 pixels (1080p @ 30fps) should support on Board H.264 or better on board Encoding to save PC processing power and should support USB 3.0 Plug and play.	RATE	NO	1	_____	_____

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	Field of View: Minimum of 58.5 degree or above field of view Colour: 24 bit color or better Aspect Ratio: 16:9 or higher Anti-flicker compensation: Required Video S/N Ratio: > 55dB Pan range: The Camera should have a PAN rotation angle of -170degree to +170degree or better Tilt range: The Camera should have a tilt rotation of -30degree to+90degree or better Accessory: The Camera should be supplied with IR remote control as an included accessory Auto Focus: Should support Auto focus Optical Zoom: The camera should support Pan-tilt-zoom (PTZ) type and optical 10X zoom Make: Peoplelink/Logitech or Equivalent					
5.	CD-ELE-CFH-05	RATE	NO	1		
	Supply of video conference sound system with following specifications: Audio Technology: The system should have a DSP based Echo Cancellation>-65dB with echo tail of 500ms or better and bi Directional noise suppression of >-18dB or better Audio Mic: It should have a frequency response of 20Hz-16KHz or better with a Microphone coverage of 3m, 360 degrees or better with 4 bi-directional microphone. These microphones can pick up sound equally from all directions. It should cover up to 5m or more with the help of 2 external microphones which can be extended with cables for larger room coverage. Audio Output Speaker: The Speaker volume should be 92dB or better. Audio for USB VoIP Network: It should have a Microphone and Speaker frequency band of 100Hz to 16 KHz or better Ports: It should have USB, Ext1, Ext 2,					

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6.	<p>Power jack and PSTN (Standard RJ-11)                      Buttons: It should have PSTN Hold Key, USB Hold Key, Redial Key, PSTN On/Off Key, Menu Key, Selection Key, MUTE Key, VOL Key, Dial Pad and Play Key                      Features: It should support Acoustic Echo Cancellation, Automatic Gain Control and Acoustic Noise Suppression or better.                      Make: Peoplelink/Logitech or Equivalent</p> <p>Supply of interactive panel with following specifications:                      IFPD:                      Panel Size:65 inch                      Display Type: TFT LCD                      Display Panel Diagonal size (mm): 1650 (min)                      Backlight Technology: D-LED                      Display Resolution (Pixels): 3840(H) x 2160(V)                      Panel Brightness (Nits): 350 cd/m2                      Display Colour: 1.07B (10bit)                      Display Aspect Ratio: 16:09                      Viewing Angle: 178 Degree                      Life Time: 50,000 Hours                      Touch interface: Touch sensitive as well as pen driven                      Touch Technology: Infrared (IR)                      Number of touch points (Number): 20                      Response time (milli seconds): &lt;8ms                      Operating System Compatibility: Dual Built in Operating System: Android 8 or higher                      Quick Tools on Both Sides of IPPD: Yes                      CPU: Dual Core A73 + Dual Core A53                      RAM: 3GB DDR4                      Storage: 32GB                      Number of Input HDMI ports (4K): 3                      Number of output HDMI ports (4K/60HZ): 1                      Number of USB 2.0 ports (Nos.): 3</p>	RATE	NO	1		

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	Number of USB 3.0 ports (Nos.): 3					
	Number of Audio Input ports (Number): 1					
	Number of audio output ports (Nos.): 1					
	Number of RS-232 C ports (Nos.): 1					
	Number of RJ 45 ports (Nos.): 1					
	Number of VGA-IN ports (Number): 1					
	Provision of in built speakers: Required					
	Provision for wall mounting: Required					
	Provision Wi-Fi connectivity: Required					
	Number of electronic pen or stylus to be supplied with the board (Nos): 2					
	Power Supply Voltage in AC (Volts): 100-240V ,50HZ					
	Operating Humidity (%) RH: 10% - 90%					
	Fixed wall mount Bracket for 65" IFPD: Required					
	All connecting Cables and accessories to be supplied along with the Panel: Required					
	Inbuilt video conferencing options: Required					
	Bluetooth Connectivity, Toughened Glass with level 7 of Mohs Standard: Required					
	OEM Warranty (Year): 3Year,Onsite Software:					
	Inbuilt document viewer, DOC,Excel,PDF,PPT: Required					
	White board software suit for android and windows: Required					
	Embedded chrome Browser: Required					
	Annotations & collaboration software-for Windows: Required					
	Annotations & collaboration software-for Android: Required					
	Air Class-Polling Option: Required					
	Capture-Session Recording option: Required					
	Free access to software for life time and entity account: Required					
	OTA Update: Required					
	Acceptable make: Panasonic/LG/Viewsonic					
	02 pen or stylus to be supplied at no extra cost. All accessories and					

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SLNo.	Description	Nature	Unit	Quantity	Rate	Amount
	installation kit to be supplied by seller at no extra cost. 4K OPS and 4k UHD display experience					
7.	CD-ELE-CFH-07 Supply & installaton of Confrence table Connectivity pop up flush mounting module with data ports HDMI,VGA,LAN,USB,Audio.3.5mm and two power ports (230 V, 5/6A).Make: legrand or equivalent. Cable connection between interactive panel and laptop to Pop up module(VGA,HDMI,LAN,Audio and USB Type -A-B) -15Meter	RATE	NO	1	_____	_____
8.	CD-ELE-CFH-08 Installation, Training,Testing and commissioning of above supplied items in FACT-CD conference hall . All the connectors, all types of cables required for the successful commissioning of the system is in the the scope of vendor	RATE	NO	1	_____	_____

Total Quoted Value:

Amount Quoted in Words ( \_\_\_\_\_ )

The Rate quoted is subject to the general and special conditions attached.

EMD Cr./DD No.: \_\_\_\_\_ Dated: \_\_\_\_\_ Amount: Rs. \_\_\_\_\_

Date: \_\_\_\_\_

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