

**CORRIGENDUM & REPLIES TO THE QUERIES RAISED BY VENDORS AGAINST NIT No: NU/Engg/14/5B/NIT/2019-20/04 Dated 22.07.2020 FOR Supply, Installation, Testing & Commissioning of Audio and Video System for all the Priority Building at the Permanent Campus of Nalanda University (NU), Nalanda, Rajgir, Bihar. Further comments have been added to make it for easier reading by providing cross referencing details. Kindly Note for correction slip due to typo error: Corrigendum (Technical) 01 dated 18.08.2020, at Page 7 first row (regarding amendment in make) should be read as BOQ Sr No. 1 only instead of mentioned 'BoQ Sr. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 68'. Though the 1st column of the same sheet refers Sr 01 even after this correction slip has been issued for more clarity as per the system requirement. With these corrections, this sheet will supersede on the pre-bid outcome published on 18.08.2020.**

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
<b>Bidder 1</b>				
1	Section I Invitation For Bids  Page 5/115	Pre-Bid Meeting	Request for Extension of Pre-Bid Meeting by minimum 07 days & hold prebid meeting online.	NIT Conditions will prevail. Pre bid has already been conducted.
2	Eligible Bidders & MAF  Page 13/115 & 81/115	Eligible Bidders & MAF Format	Request to delete MAF clause.	No Change. NIT Conditions will prevail.
3	LIST OF ACCEPTABLE MAKES / MANUFACTUR ERS  Page 69/115 to 71/115	Servers and Storage for Live Streaming and VoD Platform as above; OS platform and other environment such as databases etc., if any, shall be as per software application /in house or could OEM requirements	The approved makes for Video management platform are Dell / HP / Hitachi / Lenovo. Dell / HP and Lenovo are the makes of server providers. Only Hitachi is the make which provide the video management platform. Hence, Request you to kindly approve Wowza, Panopto, Impartus make which are approved in various IITs / IIMs also provide Video management platform for LMS as desired in the tender.  Request to amend List of Makes from: Dell / HP / Hitachi / Lenovo to: Dell / HP / Hitachi / Lenovo / Wowza / Panopto / Impartus	NIT Conditions will prevail. Bidder is free to quote NIT/IIT's/IIM/s approved solution in compliance to the minimum specifications specified in the NIT.
4	LIST OF ACCEPTABLE MAKES / MANUFACTUR ERS  Page 69/115 to 71/115	Ultra-Short Throw 3600 Lumens, LCD /DLP projectors	The approved makes for Ultra short throw projector are Epson, Optoma and Sony, Christie. 1. Sony does not manufacture Ultra short throw projector. 2. Optoma does not comply the asked tender specifications. 3: It seems that tender specifications are favouring only one make. Hence, Request you to kindly add Hitachi and Christie make for the same as you also approved the same for server and storage.  Request to amend List of Makes from: Epson / Optoma / Sony to Epson / Optoma / Sony / Hitachi / Christie	Please refer to the corrigendum

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5	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Audio Amplifiers	Request you to kindly add JBL make which manufactures commercial series amplifiers and Crown manufacture professional amplifier and the both make are under in the one Harman Group.  Request to amend List of Makes from Bose / Dynacord / Crown to Bose / Dynacord / Crown / JBL	NIT Conditions will prevail.
6	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. connector. • Video transmission: shall support video transmission over CAT6 up to (100 mtr)	Request you to kindly amend the mentioned changes, considering to below points: 1) There is a typographical error, Output of transmitter should be HDBaseT in place of HDMI. 2) 70 mtrs. And 100 mtr. Both Distance support asked in specification. Hence, Request you to kindly give clarity on the above points that what we have to consider?  be amended to:  3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDBaseT, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Video transmission: shall support video transmission over CAT6 up to (70 mtrs)	Please refer to the corrigendum
7	Technical Specifications Item Sr No 3  Page 39/115	HDMI TWISTED PAIR RECEIVER HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio length minimum 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. • The device shall receive HDMI plus control signal up to 330 feet (100 meters) over a shielded twisted pair CAT6 cable • Input: 1 x twisted pair on RJ-45 • Outputs: 1 x HDMI with audio • Shall be able to accept additional RS232 and IR signals over CAT6 cable	Request you to kindly amend the mentioned changes, considering to below points: 1) 70 mtrs. and 100 mtr. both Distance support asked in specification. Hence, Request you to kindly give clarity on the above points that what we have to consider?  be amended to:  HDMI TWISTED PAIR RECEIVER HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio length minimum 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. • The device shall receive HDMI plus control signal up to 230 feet (70 meters) over a shielded twisted pair CAT6 cable • Input: 1 x twisted pair on RJ-45 • Outputs: 1 x HDMI with audio • Shall be able to accept additional RS232 and IR signals over CAT6 cable	Kindly read Required signal distance as - 100 Mtr

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8	Technical Specifications Item Sr No 5  Page 40/115	HDMI ACTIVE WALL/FACE PLATE HDMI active transmitter wall/face plate, 1 x HDMI input & 1 x CAT6 output supporting length minimum 230 ft. (70 meters) device should support HDCP and EDID transmission. • The device shall transmit HDMI plus control signal up to 100 meters over a twisted pair shielded CAT6 cable.	Request you to kindly amend the mentioned changes considering to below points: 1) 70 mtrs. Distance support asked in BOQ and I the first line of technical specifications but 100 mtr. is also mentioned in the same specifications. Hence, Request you to kindly give clarity on the above points.  be amended to:  HDMI ACTIVE WALL/FACE PLATE HDMI active transmitter wall/face plate, 1 x HDMI input & 1 x CAT6 output supporting length minimum 230 ft. (70 meters) device should support HDCP and EDID transmission. • The device shall transmit HDMI plus control signal up to 70 meters over a twisted pair shielded CAT6 cable.	Kindly read Required signal distance as - 100 Mtr
9	Technical Specifications Item Sr No 7  Page 40/115	USB WIRELESS PRESENTOR SYSTEM Wireless Presentation Unit of HD content using laptops, tablets, and smartphones. Compatible with Windows OS X, Apple iOS, and Android, Supports Full HD 1080p display resolutions; shall provide minimum 1 x HDMI output. 2 Nos of USB dongle required with device. • Wireless connection for up to 64 devices • Should support collaboration features • Should support Web Browsers such as Internet Explorer, Mozilla and Chrome • Should support third party app such as Microsoft Office, Skype, Lync, and webex. • Simultaneous content display :- 4 user or higher	Request you to kindly amend the mentioned changes for generalising the specifications considering the below points: 1) Crestron does not comply with the specifications as it doesn't have below a) USB dongle not available b) Simultaneous content display :- 4 user or higher - Not available c) Audio Output - Not available 2) Vivitek does not comply with the specifications as a) USB dongle not available b) Simultaneous content display :- 4 user or higher - Not available c) Audio Output - Not available 3) Benq does not comply with the specifications as a) Audio Output - Not available b) Wireless connection for up to 64 devices - Not available 4) Extron does not comply with the specifications as a) USB dongle not available 5) only Barco CSE 800 is complying the specifications but in the commercial aspect, the transfer price of CSE 800 is approx. four times higher than the estimate price which is 90,000. Hence, Request you to kindly amend the specifications as requested.	NIT conditions shall prevail.
10	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER –  Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, 1 x audio output. It shall support resolutions upto 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable. • Output signals requirements: minimum 2 x HDMI plus minimum 1 x CAT6 output for transmitting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & 40W amplified audio output. • Video standards supported: the unit shall be EDID & HDCP compliant • The device shall support automatic input selection via last detected input source • Resolutions supported – minimum up to 1920 x 1200	1) All the approved makes manufacture 8 Input, 4 output matrix switcher having 6 or more HDMI Input, 2 or more twisted pair Inputs, 2 or more HDMI output and 2 or more twisted pair outputs. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement. 2) External audio amplifier has been already considered in the boq for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40 watt power amplifier is restricting all approved makes to comply and favouring to only specific manufacturer and if it is important then you may please approve external amplifier.  be amended to:  HDMI SCALAR CUM MATRIX SWITCHER –  Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, 1 x audio output. It shall support resolutions upto 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable. • Output signals requirements: minimum 2 x HDMI plus minimum 1 x CAT6 output for transmitting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay • Video standards supported: the unit shall be EDID & HDCP compliant • The device shall support automatic input selection via last detected input source • Resolutions supported – minimum up to 1920 x 1200	Please refer to the corrigendum

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11	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs; It shall support resolutions up to 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 4 x HDMI plus minimum 2 x VGA + Audio. • Output signals requirements: minimum 2 x HDMI <del>Other ports: minimum 1 x RJ-45 based Fast Ethernet</del>	1) All the approved makes manufacture 8 Input, 4 output matrix switcher having 8 or more HDMI Input, 4 or more HDMI output. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement.  2) External audio amplifier has been already considered in the boq for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40 watt power amplifier is restricting all approved makes to comply and favouring to only specific manufacturer and if it is important then you may please approve external amplifier.  be amended as:  HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs; It shall support resolutions up to 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 4 x HDMI plus minimum 2 x VGA + Audio. • Output signals requirements: minimum 2 x HDMI • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or 1 x IP port for control and for Delay	Please refer to the corrigendum
12	Technical Specifications Item Sr No 10  Page 41/115	1 x 8 HDMI DISTRIBUTION AMPLIFIER 1:8 Distribution Amplifier having 1 x HDMI input and minimum 8 x HDMI outputs, shall be EDID and HDCP compliant. • Input signals requirements : minimum 1 x HDMI • Output signals Requirements: minimum 8 x HDMI • Video standards supported: the unit shall be EDID & HDCP compliant . Approved Make: Crestron/Extron/AMX/Lightware	Request you to kindly amend the mentioned changes considering to below points: 1) AMX does not manufacture distribution amplifier. 2) Extron does not have 1 x 8 distribution amplifier. 3) Only Crestron has 1 x 8 distribution amplifier. Hence, Request you to kindly amend the same as 1 x 6 distribution amplifier to generalise the specifications and also it is not required as per design requirement.  be amended to:  1 x 6 HDMI DISTRIBUTION AMPLIFIER 1: 6 Distribution Amplifier having 1 x HDMI input and minimum 6 x HDMI outputs, shall be EDID and HDCP compliant. • Input signals requirements: minimum 1 x HDMI • Output signals Requirements: minimum 6 x HDMI	Please refer to the corrigendum
13	Technical Specifications Item Sr No 16  Page 43/115	SPECIFICATIONS FOR VIDEO MANAGEMENT PLATFORM (OVERVIEW): The video streaming platform should provide a complete solution to upload, manage, publish and measure video content. It should be possible to broadcast live events, upload existing videos and organize & distribute videos using the video streaming platform. Devices such as iPhones, iPads, Android phones, Android tablets, Windows tablets and all leading browsers and operating systems shall be recognized and supported. ESSENTIAL COMPONENTS OF VIDEO MANAGEMENT PLATFORM Admin features:	Request you to kindly provide clarity on below points: 1) Max no. of concurrent users on a same time 2) Max bandwidth availability? 3) Network Scope availability? 4) After ending the AMC period, who can take care the management of system.	Maximum No. of concurrent users - 1000 As per solution the required Bandwidth will be provided After end of AMC period, Nalanda University will take care of further process and management as per internal process and procedures.

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14	Technical Specifications Item Sr No 18  Page 44/115	CEILING MOUNT DOCUMENT CAMERA  SITC of Full HD/1080p, ceiling mounted Document Camera with minimum 16 x optical zoom — 1 x HDMI or DVI output and 1 x LAN port. DVi models shall be acceptable with external DVi to HDMI convertor interface unit or cable. • Type: Full HD/1080p Document Camera, Ceiling mounting • Output Resolution: XGA (1024 x 768), SXGA (1280 x 1024), UXGA (1600 x 1200), WXGA (1280 x 800), HD720p and Full HD 1080p • Frame Rate: Up to 30 fps or better with all resolutions	Request you to kindly amend the mentioned changes considering to below points: 1) You have asked 14x and 16x optical zoom for the same document camera. Request you to clarify what we have to consider. 2) Only one make is complying the specifications. 3) Wolfvision document camera has 15x optical zoom maximum. 4) Vaddio has 20x optical zoom ceiling camera with HDBaseT output. For comply the specifications, need to give 1 x HDBaseT to HDMI receiver. 5) Lumens is Taiwan based company and Wolfvision is Austri based. Hence, there is no price parity in the approved three makes. And also request you to generalize the specifications and approve three equivalent makes which should be technically and commercially equivalent.  be amended to:  CEILING MOUNT DOCUMENT CAMERA SITC of Full HD/1080p, ceiling mounted Document Camera with minimum 14x optical zoom — 1 x HDMI or DVI or HDBaseT output and 1 x LAN port. DVi models shall be acceptable with external DVi to HDMI convertor interface unit or cable. • Type: Full HD/1080p Document Camera, Ceiling mounting • Output Resolution: XGA (1024 x 768), SXGA (1280 x 1024), UXGA (1600 x 1200)	This item is optional requirement to avoid execution scarcity if any changes in interior of the room/hall layout will be happened at the site. Therefore quantity is very less for the rate backup purpose. Kindly read amended specifications as - " <b>Minimum 14 X Optical zoom or better</b> ".
15	Technical Specifications Item Sr No 19  Page 44/115	TABLE TOP MOUNTABLE DOCUMENT CAMERA  SITC of Full HD/1080p, Table Top Mountable Document Camera with minimum 20 x optical zoom — 1 x HDMI or DVI output and 1 x LAN port. DVi models shall be acceptable with external DVi to HDMI convertor interface unit or cable. • Type: Full HD/1080p Document Camera, • Output Resolution: XGA (1024 x 768), SXGA (1280 x 1024), UXGA (1600 x 1200), WXGA (1280 x 800), HD720p and Full HD 1080p • Frame Rate: Up to 30 fps or better with all resolutions • Zoom Capacity: Minimum 20x optical zoom	Request you to kindly amend the mentioned changes considering to below points: 1) Vaddio does not manufacture table top document camera. 2) Lumens is Taiwan based company and Wolfvision is Austri based. Hence, there is no price parity in the approved three makes. And also request you to generalize the specifications and approve three equivalent makes which should be technically and commercially equivalent.	NIT conditions shall prevail.

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16	Technical Specifications Item Sr No 25  Page 47/115	6500 LUMENS PROJECTOR SITC of Laser type Projector -LCD/DLP Technology, minimum 6500 ANSI Lumens, 16:10 Aspect Ratio, Resolution : WUXGA (1920 x 1200), Contrast Ratio: 3000000:1 Minimum Ports - 1x HDMI, 1 x D-Sub 15 pin VGA + 3.5 mm Audio Jack, 1 x HDBaseT (RJ-45) for receiving video over CAT6 or twisted pair, 1 x wired (RJ- 45) LAN port or 1 x RS232 for control. The projector shall be complete with mounting brackets	be amended to:  6500 LUMENS PROJECTOR SITC of Laser type Projector - DLP Technology, minimum 6000 ANSI Lumens, 16:10 Aspect Ratio, Resolution : WUXGA (1920 x 1200), Contrast Ratio: 100000:1  Minimum Ports - 1x HDMI, 1 x D-Sub 15 pin VGA + 3.5 mm Audio Jack, 1 x HDBaseT (RJ-45) for receiving video over CAT6 or twisted pair, 1 x wired (RJ- 45) LAN port or 1 x RS232 for control.  The projector shall be complete with mounting brackets and all such accessories for mounting including poles/rods for ceiling installation, as may be required.	NIT conditions shall prevail.
17	Technical Specifications Item Sr No 33  Page 48/115	SITC of Gooseneck Microphone with Cardioid polar pattern with a high gain before feedback, Filter to suppress wind or pop noise Non-glare surface, Connection via 3-pin XLR male connector length of gooseneck microphone 450mm or better Max. SPL 124 dB [SPL @ 1% THD] , Signal-to-noise ratio 64 dB [A, rms] ,Equivalent SPL 30 dB [A, rms]	Request you to kindly amend the mentioned changes considering to below points: 1) The specifications are specific to only one make. 2) Sennheiser and Electro voice gooseneck microphone does not have high gain before feedback, Filter to suppress wind or pop noise Non-glare surface. Hence, Request you to kindly delete the same.  be amended to:  SITC of Gooseneck Microphone with Cardioid polar pattern with a , Connection via 3-pin XLR male connector length of gooseneck microphone 450mm or better Max. SPL 124 dB [SPL @ 1% THD] , Signal-to-noise ratio 64 dB [A, rms] ,Equivalent SPL 30 dB [A, rms]	NIT conditions shall prevail.
18	Technical Specifications Item Sr No 34  Page 48/115	SITC of wireless Lapel microphone, with receiver (UHF),18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 40Mhz Or better	Request you to kindly amend the mentioned changes considering to below points: 1) The specifications are specific to only one make. 2) Sennheiser does not manufacture analog microphone with 50mw RF output and it has 80 - 18KHz frequency response and 30mw Rf output. 3) Electrovoice has 50 / 20 / 10mw (vary as per band) and it has 60 - 15KHz freq. response and 36 Mhz switching bandwidth. Hence, Request you to kindly amend the specifications as requested.  be amended to  SITC of wireless Lapel microphone, with receiver (UHF),18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 30mW or Better , Polar Pattern :- Omni directional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 80Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 36Mhz Or better	NIT conditions shall prevail.

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19	Technical Specifications Item Sr No 35  Page 49/115	SITC of wireless head worn microphone with True diversity receiver (UHF),12 Channel Present or better, Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter.Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth	Request you to kindly amend the mentioned changes considering to below points: 1) The specifications are specific to only one make. 2) Sennheiser does not manufacture analog microphone with 50mw RF output and it has 80 - 18KHz frequency response and 30mw Rf output. 3) Electrovoice has 50 / 20 / 10mw (vary as per band) and it has 60 - 15KHz freq. response and 36 Mhz switching bandwidth. Hence, Request you to kindly amend the specifications as requested.  be amended to  SITC of wireless head worn microphone with True diversity receiver (UHF),12 Channel Present or better , Display on Transmitter and Receiver , RF Power output 30mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 80Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter .Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth Minimum 36mHz Mhz Or better	NIT conditions shall prevail.
20	Technical Specifications Item Sr No 36  Page 49/115	SITC of wireless handheld microphone with receiver (UHF),18 Channel Pre-set or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Cardioids , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter , Receiver dynamic range 80 dB (A-weighted) Or better , switching bandwidth Minimum 40 Mhz Or better.	Request you to kindly amend the mentioned changes considering to below points: 1) The specifications are specific to only one make. 2) Sennheiser does not manufacture analog microphone with 50mw RF output and it has 80 - 18KHz frequency response and 30mw Rf output. 3) Electrovoice has 50 / 20 / 10mw (vary as per band) and it has 60 - 15KHz freq. response and 36 Mhz switching bandwidth. Hence, Request you to kindly amend the specifications as requested.  be amended to  be amended to:  SITC of wireless handheld microphone with receiver (UHF),18 Channel Pre-set or better , Display on Transmitter and Receiver , RF Power output 30mW or Better , Polar Pattern :- Cardioids , Carrier frequency range 500Mhz to 865Mhz , Frequency response 80Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter , Receiver dynamic range 80 dB (A-weighted) Or better , switching bandwidth Minimum 36 Mhz Or better.	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
21	Technical Specifications Item Sr No 44  Page 50/115	12 x 8 AUDIO DSP (with AEC feature) Digital Matrix Processors, with 12 mic/line inputs and 8 outputs with AEC - Acoustic Echo Cancellation features. • No. of Inputs Channels: should have minimum 12 mic/line inputs • Audio Input DC Phantom Power: should have +48 VDC • Audio Output Interface: should have minimum 8 balanced/unbalanced outputs • Acoustic echo cancellation (AEC) shall be supported • Control Interface: Minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or RS232 or USB port for control and configuration. • Frequency response: should be between 20 Hz to 20 kHz	Request you to kindly amend the mentioned changes considering to below points: 1) None of the approved make is complying the specifications. 2) BSS has <0.01% THD, 3.0kΩ input impedance, 40Ω output impedance. 2) Biamp has <0.006% THD. 3) Crestron discontinued AEC based DSPs product line. 4) Extron has 0.01% THD, 100Ω output impedance. Hence, none of the approved make is complying the specifications. Request you to kindly amend the same.  be amended to:  12 x 8 AUDIO DSP (with AEC feature) Digital Matrix Processors, with 12 mic/line inputs and 8 outputs with AEC - Acoustic Echo Cancellation features. • No. of Inputs Channels: should have minimum 12 mic/line inputs • Audio Input DC Phantom Power: should have +48 VDC • Audio Output Interface: should have minimum 8 balanced/unbalanced outputs • Acoustic echo cancellation (AEC) shall be supported • Control Interface: Minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or RS232 or USB port for control and configuration.	The specification is changed to "12 x 8 AUDIO DSP (with AEC feature) Digital Matrix Processors, with 12 mic/line inputs and 8 outputs with AEC - Acoustic Echo Cancellation features. • No. of Inputs Channels: should have minimum 12 mic/line inputs • Audio Input DC Phantom Power: should have +48 VDC • Audio Output Interface: should have minimum 8 balanced/unbalanced outputs • Acoustic echo cancellation (AEC) shall be supported • Control Interface: Minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or RS232 or USB port for control and configuration. • Frequency response: should be between 20 Hz to 20 kHz • THD + Noise: should have <b>0.01% or better</b> , 20 Hz to 20 kHz • Input Impedance: should be 8K ohm or better. • Output Impedance: should be <b>100 Ohms or better.</b> • S/N or Dynamic range: should have minimum 104 dB, 20 Hz to 20 kHz. • Mounting Type: should be rack mountable."
22	Technical Specifications Item Sr No 45  Page 50/115	6 x 4 AUDIO DSP Digital Matrix Processors, with 6 mic/line inputs and 4 outputs. • No. of Inputs Channels: should have minimum 6 mic/line inputs • Audio Input DC Phantom Power: should have +48 VDC • Audio Output Interface: should have minimum 4 balanced/unbalanced outputs • Control Interface: Minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or RS232 or USB port for control and configuration • Frequency response : should be between 20 Hz to 20 kHz • THD + Noise : should have minimum 0.01% , 20Hz to 20 kHz	Request you to kindly amend the mentioned changes considering to below points: 1) None of the approved make is complying the specifications. 2) BSS has <0.01% THD, 3.0kΩ input impedance, 40Ω output impedance. 2) Biamp has <0.006% THD. 3) Crestron is complying the specifications. 4) Extron has 0.01% THD, 100Ω output impedance. Hence, none of the approved make is complying the specifications. Request you to kindly amend the same.  be amended to:  6 x 4 AUDIO DSP Digital Matrix Processors, with 6 mic/line inputs and 4 outputs. • No. of Inputs Channels: should have minimum 6 mic/line inputs • Audio Input DC Phantom Power: should have +48 VDC • Audio Output Interface: should have minimum 4 balanced/unbalanced outputs • Control Interface: Minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or RS232 or USB port for control and configuration • Frequency response : should be between 20 Hz to 20 kHz • THD + Noise : should have minimum 0.01% , 20Hz to 20 kHz • Input Impedance : should be minimum 3K ohm or better • Output Impedance : should be minimum 40 Ohms or better • S/N or Dynamic range : should have minimum 104 dB, 20 Hz to 20 kHz • Mounting Type : should be rack mountable	The specification is changed to "6 x 4 AUDIO DSP Digital Matrix Processors, with 6 mic/line inputs and 4 outputs. • No. of Inputs Channels: should have minimum 6 mic/line inputs • Audio Input DC Phantom Power: should have +48 VDC • Audio Output Interface: should have minimum 4 balanced/unbalanced outputs • Control Interface: Minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or RS232 or USB port for control and configuration • Frequency response : should be between 20 Hz to 20 kHz • THD + Noise : should have 0.01% or better, 20 Hz to 20 kHz • Input Impedance : should be 8K ohm or better • Output Impedance : should be 100 Ohms or better • S/N or Dynamic range : should have minimum 104 dB, 20 Hz to 20 kHz • Mounting Type : should be rack mountable"



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
23	Technical Specifications Item Sr No 46 Page 50/115	<p>20W Ceiling Mount Speaker full-range or 2-way minimum 3" or better ceiling mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 95 Hz - 17 kHz (- 10dB), Power handling@70/100V : 20W or better, Sensitivity : SPL/W@1 Mtr - 86 db or better, Max SPL@1 Mtr - 103dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.</p> <ul style="list-style-type: none"> <li>• Frequency range (-10dB) : should be between 95 Hz to 17 kHz or better</li> <li>• Power Rating : minimum 20 W or better</li> <li>• Maximum Peak SPL @ 1m : 103dB or better</li> </ul>	<p>Request you to kindly amend the mentioned changes considering to below points: 1) Bose speaker has 87 dB sensitivity. 2) Electrovoice speaker has 87 dB sensitivity. 3) JBL speaker has 84 dB Sensitivity. Hence, Request you to amend sensitivity 84 dB to generalize the specifications. be amended to: 20W Ceiling Mount Speaker full-range or 2-way minimum 3" or better ceiling mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 95 Hz - 17 kHz (- 10dB), Power handling@70/100V : 20W or better, Sensitivity : SPL/W@1 Mtr - 84 db or better, Max SPL@1 Mtr - 103dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.</p> <ul style="list-style-type: none"> <li>• Frequency range (-10dB) : should be between 95 Hz to 17 kHz or better</li> <li>• Power Rating : minimum 20 W or better</li> <li>• Maximum Peak SPL @ 1m : 103dB or better</li> <li>• Drivers: Full range driver or 2-way - minimum 1 x 3" LF Driver &amp; minimum 1 x 0.75" HF Driver (Coverage (conical): 120 degrees or higher)</li> </ul>	NIT conditions shall prevail.
24	Technical Specifications Item Sr No 48 Page 51/115	<p>150W Column Loudspeaker full-range 150W or better column type left and right loudspeaker, 8-ohm impedance, frequency response: 80 Hz - 20 KHz, Sensitivity: SPL/W@1 Mtr - 93 dB SPL or better, Max SPL@1 Mtr - 115 dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.</p> <ul style="list-style-type: none"> <li>• Frequency range : should be between 80 Hz to 20 kHz or better</li> <li>• Power Rating (Average) : minimum 150 W or better</li> <li>• Power Rating (Max/Peak): minimum 600 W or better</li> <li>• Maximum Peak SPL @ 1m : 115dB or better</li> </ul>	<p>In the tender specifications, the asked frequency range is 80 Hz -20 KHz and the frequency response: 80 Hz - 20 KHz. Frequency range and frequency response cannot be same. Hence, Request you to kindly provide clarity on same. be amended to: 150W Column Loudspeaker full-range 150W or better column type left and right loudspeaker, 8-ohm impedance, frequency range: 80 Hz - 20 KHz, Sensitivity: SPL/W@1 Mtr - 93 dB SPL or better, Max SPL@1 Mtr - 115 dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.</p> <ul style="list-style-type: none"> <li>• Frequency range : should be between 80 Hz to 20 kHz or better</li> <li>• Power Rating (Average) : minimum 150 W or better</li> <li>• Power Rating (Max/Peak): minimum 600 W or better</li> <li>• Maximum Peak SPL @ 1m : 115dB or better</li> <li>• Sensitivity 1W @ 1m : 93dB or better</li> <li>• Coverage (conical): 125H x 20V degrees or better</li> <li>• Driver : should be full range type or three way driver Impedance : 8 Ohms or better</li> </ul>	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
25	Technical Specifications Item Sr No 54  Page 53/115	<p>Central control unit should have the following features,</p> <p>the central unit for powering, configuring and Controlling connected Chairman, Delegate units, and option to control up to 100 units without any power supply.</p> <p>The system should have in built digital processing and control/transmission of the Digital audio signals. It should have basic management facilities with at least 8 open microphones should have recording facility</p>	<p>Request you to kindly amend the mentioned changes to generalize the specifications as below:</p> <ol style="list-style-type: none"> <li>1) The Specifications are specific to one make only.</li> <li>2) Bosch can control 80 units and Sennheiser can control 40 units without power supply.</li> <li>3) Bosch and Sennheiser both have recording facility by USB memory which stores more data comparative to SD card. The Storage capacity of SD card is very minimum compare to USB memory stick.</li> </ol> <p>Hence, request you to kindly generalize the specifications as per Beyerdynamic, Bosch and Sennheiser make and remove SD card and amend USB memory</p> <p>be amended to:</p> <p>Central control unit should have the following features,</p> <p>the central unit for powering, configuring and Controlling connected Chairman, Delegate units, and option to control up to 100 units.</p> <p>The system should have in built digital processing and control/ transmission of the Digital audio signals. It should have basic management facilities with at least 8 open microphones should have recording facility USB memory.</p>	<p>Please refer to the corrigendum</p>
26	Technical Specifications Item Sr No 55  Page 54/115	<p>The digital Table Top wired Chairman Unit, should have clear button for deactivating all the microphone headphone connector and headphone volume control, that included detachable gooseneck microphone should be free from interference caused by mobile phones. Include the inbuilt Loudspeaker. It should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button RJ 45 connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better , 3.5 mm jack socket for headphone, microphone should be</p>	<p>Request you to kindly amend the mentioned changes to generalize the specifications as below:</p> <ol style="list-style-type: none"> <li>1) The Specifications are specific to one make only.</li> <li>2) Bosch and Sennheiser both have non detachable microphones, comes with built-in microphone.</li> <li>3) Bosch has proprietary connectivity for connection of chairman and delegate unit.</li> </ol> <p>Hence, request you to kindly generalize the</p> <p>be amended to:</p> <p>The digital Table Top wired Chairman Unit, should have clear button for deactivating all the microphone headphone connector and headphone volume control, that included gooseneck microphone should be free from interference caused by mobile phones. Include the inbuilt Loudspeaker. It should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button RJ 45 / as per OEM connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better , 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required.</p>	<p>NIT conditions shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
27	Technical Specifications Item Sr No 56  Page 54/115	The digital Table top wired delegate unit, should have headphone connector and headphone volume control, that include detachable gooseneck microphone, should be free from interference caused by mobile phones. Inbuilt Loudspeakers, it should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button, RJ45 connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better , 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required	Request you to kindly amend the mentioned changes to generalize the specifications as below: 1) The Specifications are specific to one make only. 2) Bosch and Sennheiser both have non detachable microphones, comes with built-in microphone. 3) Bosch has proprietary connectivity for connection of chairman and delegate unit. Hence, request you to kindly generalize the specifications as per Beyerdynamic, Bosch and Sennheiser make.  be amended to:  The digital Table top wired delegate unit, should have headphone connector and headphone volume control, that include gooseneck microphone, should be free from interference caused by mobile phones. Inbuilt Loudspeakers, it should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button, RJ45 / as per OEM connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better , 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required	NIT conditions shall prevail.
28	Technical Specifications Item Sr No 72  Page 56/115	Corded Vocal Microphone CORDED VOCAL MICROPHONE Corded Vocal Microphone with Dynamic Neodymium Magnet microphone element, with frequency response 80Hz-16kHz, Cardioid, Super-Cardioid polar pattern or better pattern, sensitivity of min. 2.2mV/Pa or better and min. impedance 600 ohm or better including microphone stand. • Frequency response: 80Hz to 15 KHz • Transducer Type: Dynamic • Polar pattern: Cardioid, Super-Cardioid or better • Connection: 3-pin XLR	Request you to kindly amend the mentioned changes to generalize the specifications as below: 1) Sennheiser has 1.8mv/pa sensitivity and 350 ohm impedance. 2) Neodymium magnet is specific to electrovoice make. Hence, request you to kindly generalize the specifications as per three makes.  be amended to:  Corded Vocal Microphone CORDED VOCAL MICROPHONE Corded Vocal Microphone with Dynamic microphone element, with frequency response 80Hz-16kHz, Cardioid, Super-Cardioid polar pattern or better pattern, sensitivity of min. 1.8mV/Pa or better and min. impedance 350 ohm or better including microphone stand. • Frequency response: 80Hz to 15 KHz • Transducer Type: Dynamic • Polar pattern: Cardioid, Super-Cardioid or better • Connection: 3-pin XLR	Kindly read amended specifications as - "Corded Vocal Microphone CORDED VOCAL MICROPHONE Corded Vocal Microphone with Dynamic microphone element, with frequency response 80Hz-16kHz, Cardioid, Super-Cardioid polar pattern or better pattern, sensitivity of min. 2.2mV/Pa or better and min. impedance 600 ohm or better including microphone stand. • Frequency response: 80Hz to 15 KHz • Transducer Type: Dynamic • Polar pattern: Cardioid, Super-Cardioid or better • Connection: 3-pin XLR"

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
29	Technical Specifications Item Sr No 73  Page 57/115	1x12" OR BETTER PASSIVE LOUDSPEAKER Loudspeaker • 2-Way Loudspeaker System with 1 x 12" LF • Frequency Range (-10 dB): 37 Hz – 20 kHz • Frequency Response(±3 dB): 43 Hz – 18 kHz • Coverage Pattern: 120° x 60° • Crossover Modes: Bi-amp/Passive switchable • Passive Crossover Frequency: 1.5 kHz • Transducer Power Rating: LF: 1600 W peak • HF: 160 W peak • Bi-amp mode SPL LF: 128 dB peak, HF: 135 dB peak	Request you to kindly amend the mentioned changes to generalize the specifications as below: 1) Bose do not manufacture 12" passive loudspeaker 2) Electrovoice speaker has 132 dB max SPL. 3) JBL has 133 dB max SPL. Hence, request you to kindly generalize the specifications and amend the SPL 132 dB peak.  be amended to:  1x12" OR BETTER PASSIVE LOUDSPEAKER Loudspeaker • 2-Way Loudspeaker System with 1 x 12" LF • Frequency Range (-10 dB): 37 Hz – 20 kHz • Frequency Response(±3 dB): 43 Hz – 18 kHz • Coverage Pattern: 120° x 60° • Crossover Modes: Bi-amp/Passive switchable • Passive Crossover Frequency: 1.5 kHz • Transducer Power Rating: LF: 1600 W peak • HF: 160 W peak • Bi-amp mode SPL LF: 128 dB peak, HF: 132 dB peak	NIT conditions shall prevail.
30	Technical Specifications Item Sr No 75  Page 58/115	2 x 600 W Class D Power Amplifier Class D Power Amplifier, 2 x 600 W, selectable 8 ohms operation, Power @ 70/100V: 450W or better, supporting short circuit, thermal, and undervoltage protection, 1U/2U form factor. • Two Channel Digital Power Amplifier, 600W@4 Ohms • On-board Digital Signal Processor and includes these integrated features: Input Router , Input Delay – Up to 1000ms , Input Parametric EQ – 8 band , Crossover , Output Parametric EQ – 8 band ,Output Delay – Up to 100ms , Limiter • Should be controllable, configurable and monitor be through standard TCP/IQ Network.	Request you to kindly amend the mentioned changes to generalize the specifications as below: 1) Bose has 24-bit / 48 kHz A/D converters. 2) Dynacord: A/D converts sampling rate not mentioned in datasheet. 3) Crown has 96 KHz / 24 bit A/D converters. Hence, Request you to kindly generalize the specifications as per three approved makes.  be amended to:  2 x 600 W Class D Power Amplifier Class D Power Amplifier, 2 x 600 W, selectable 8 ohms operation, Power @ 70/100V: 450W or better, supporting short circuit, thermal, and under-voltage protection, 1U/2U form factor. • Two Channel Digital Power Amplifier, 600W@4 Ohms • On-board Digital Signal Processor and includes these integrated features: Input Router , Input Delay – Up to 1000ms , Input Parametric EQ – 8 band , Crossover , Output Parametric EQ – 8 band ,Output Delay – Up to 100ms , Limiter • Should be controllable, configurable and monitor be through standard TCP/IQ Network. • Each output channel should be capable of providing either 70V or 100V for high	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
31	Technical Specifications Item Sr No 1  Page 59/115	SELF PACED LEARNING MODULES COMMUNICATION IN ENGLISH, A) Grammar, B) Pronunciation (Customizable) with Speech Recognition and Intelligibility Guide Specifications and pre-requisites for English Content Software Content should be available in Indian/British English as options and prepared by English Language experts for S. No A). Maybe supplied in single or several modules. <i>The content software should be available</i>	Request you to kindly consider below points: 1) Self-Paced learning system is very specific requirement. 2) This system is not related to Audio video and control system. 3) It seems very specific requirement, there will be some specific manufacturer who can provide this system. Hence request you to kindly remove this item in the tender and called a separate tender for this or share the approved makes for same so we can coordinate with them.	NIT conditions shall prevail.
32	Technical Specifications Item Sr No 79  Page 63/115	Full HD (1920x1080) PTZ Camera for capturing the Presenter and professor, Optical Zoom 20X, min 100 Presets, 60 Frames per Second, Ethernet Out, HDMI Out, 3G-SDI Out, Audio In, RS232/422/Ethernet Controls, -170° ~ +170° Panning angle, -30° ~ +90° Tilting angle	be amended to:  Full HD (1920x1080) PTZ Camera for capturing the Presenter and professor, Optical Zoom 20X, min 100 Presets, 60 Frames per Second, HDMI Out, Audio In, RS232/422/Ethernet Controls, -170° ~ +170° Panning angle, -30° ~ +90° Tilting angle	NIT conditions shall prevail.
33	Technical Specifications Item Sr No 80  Page 64/115	Digital presenter with Optical Zoom 20 x, Digital Zoom 12x, Output Resolution XGA, SXGA, WXGA, 1080p Frame Rate 30 fps, Shooting Area Max. 440 x 330 mm, A3 size Built-in Back Light Size 210 x 297 mm Lamps Dual LED side lamps supported by a gooseneck Input Interface VGA, HDMI Output Interface VGA x 2, HDMI, C-Video USB Image Transmission USB 2.0 (480 Mbps) high-speed transmission Audio & Video Recording One-touch records image and	be amended to:  Digital presenter with Optical Zoom 16 x, Digital Zoom 12x, Output Resolution XGA, SXGA, WXGA, 1080p Frame Rate 30 fps, Shooting Area Max. 440 x 330 mm, A3 size Built-in Back Light Size 210 x 297 mm Lamps Dual LED side lamps supported by a gooseneck Input Interface VGA, HDMI Output Interface VGA x 2, HDMI, C-Video USB Image Transmission USB 2.0 (480 Mbps) high-speed transmission Audio & Video Recording One-touch records image and sound synchronously Built-in Memory 240 JPEG USB Flash Drive for USB flash drives (up to 4TB) or wired / wireless mouse for annotation Built-in Microphone -Yes, Image Capture Single or continuous capturing Image Rotation, 0-180°, flip, mirror, Anti-Theft / anti-theft lock device.	Kindly read amended specifications as - " <b>Minimum 16 X optical zoom</b> ".

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
34	Technical Specifications Item Sr No 81  Page 64/115	Interactive Display: Interactive Panel Size of 21.5" Diagonal, Panel Type: IPS LCD , Display Ratio: 16:9, Resolution: 1920 x 1080 Pixel . Minimum Brightness: 400cd/m <sup>2</sup> , Contrast Ratio: 1000:1, Response Time : 14ms, Viewing Angle: Horizontal 178°, Vertical 178°, Surface Treatment: Tempered Glass. Touch Technology: Electromagnetic Touch Digitizer Battery less Pen with back side eraser.	be amended to:  Interactive Display: Interactive Panel Size of 21.5" Diagonal, Panel Type: IPS LCD , Display Ratio: 16:9, Resolution: 1920 x 1080 Pixel . Minimum Brightness: 200cd/m <sup>2</sup> , Contrast Ratio: 1000:1, Response Time : 14ms, Viewing Angle: Horizontal 178°, Vertical 178°, Surface Treatment: Tempered Glass. Touch Technology: Electromagnetic Touch Digitizer Battery less Pen with back side eraser.	NIT conditions shall prevail.
35	Technical Specifications Item Sr No 83  Page 65/115	Audio Mixer : 4 studio-grade compressors with super-easy "one-knob" functionality and control LED for professional vocal and instrumental sound mixer. Built-in stereo USB/Audio Interface to connect directly to your computer. Premium ultra-low noise, high headroom mixer with 4 state-of-the-art, phantom-powered XENYX Mic Preamps comparable to stand-alone boutique preamps. 3-band EQs for warm and musical sound. 2 aux sends per channel.	be amended to:  Audio Mixer : 4 studio-grade compressors with and control LED for professional vocal and instrumental sound mixer. Built-in stereo USB/Audio Interface to connect directly to your computer. Premium ultra-low noise, high headroom mixer with 4 state-of-the-art, phantom-powered Mic Preamps comparable to stand-alone boutique preamps. 3-band EQs for warm and musical sound. 2 aux sends per channel: 1 pre fader for monitoring applications, 1 post fader for external FX devices. Control room/phones outputs with multi-input source matrix.	"XENYX Mic and super-easy "one-knob" functionality" are optional or as per the OEM. Corrigendum section refers and may be read as optional or as per OEM for only knob facility.
36	Technical Specifications Item Sr No 84  Page 65/115	Wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omnidirectional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 20Hz to 20Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 30Mhz Or better.	be amended to:  Wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 30mW or Better , Polar Pattern :- Omnidirectional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 80Hz to 18Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 30Mhz Or better.	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
37	Technical Specifications Item Sr No 86  Page 65/115	2-way active studio monitors ideally suited for computer studios, audio and multimedia workstations and keyboard monitoring Built-in powerful 2 x 20-Watt amplifiers with immense headroom Powerful woofers and high-resolution tweeters provide an ultra-linear frequency response Ultra-high resolution 24-bit/192 kHz D/A converters for an incredible dynamic range Optical and coaxial inputs to directly connect digital audio sources by S/PDIF interface.	be amended to:  2-way active studio monitors ideally suited for computer studios, audio and multimedia workstations and keyboard monitoring via external audio interface, Built-in powerful 2 x 20-Watt amplifiers with immense headroom Powerful woofers and high-resolution tweeters provide an ultra-linear frequency response Ultrahigh resolution converters for an incredible dynamic range	Please refer to the corrigendum
<b>Bidder 2</b>				
1	Section I Invitation For Bids  Page 5/115	Pre-Bid Meeting	Bidder wants to know whether in view of Covid-19 situation the pre-bid meeting shall be a Physical Meeting at Campus or Online.	NIT conditions shall prevail.
2	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Line items from 1 to 13, 41-43, 46,47,50, & 57-68.  (Video Signal Equipment, USB WIRELESS PRESENTOR SYSTEM, Microphone, Speaker and Control Cable, Video Cables (HDMI, VGA + Audio, Display Port DP / miniDP) and USB, Shielded/FTP - CAT6/7a cable)	They have quoted various installation references where their systems are installed. They have requested to be included in the list of Acceptable Makes/Manufacturers.  Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel etc. - Crestron / Extron / AMX/Kramer  USB WIRELESS PRESENTOR SYSTEM - Crestron / Extron / Barco / Vivitek / BENQ/Kramer  Microphone, Speaker and Control Cable - Belden, Klotz, Krystal/Kramer  Video Cables (HDMI, VGA + Audio, Display Port DP / miniDP) and USB, Shielded/FTP - CAT6/7a cable - Crestron / Extron / Falcon / Belden/Kramer	NIT conditions shall prevail.
3	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER – Minimum 6 video inputs  Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & 40W amplified audio output.	be amended to:  Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
4	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio  Other ports: minimum 1 x RJ- 45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & 40 amplified audio output.	be amended to:  Other ports: minimum 1 x RJ- 45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay	Please refer to the corrigendum
<b>Bidder 3</b>				
1	Technical Specifications Item Sr No 1  Page 59/115	SELF PACED LEARNING MODULE	For the self-paced learning modules kindly clarify the following. 1. Does the University want the Grammar and pronunciation modules in Indian English or British? Kindly choose one. 2. The specifications for grammar content are vague while the pronunciation software specifications are elaborate. Can you elaborate on what aspects of grammar need to be covered? 3. For the grammar module is a stand-alone software required or a network version? 4. For self-paced languages in Indian and foreign languages, do you need network versions of the software or stand-alone versions? 5. If for any reason beyond our control such as the pandemic or any other act of God, can the installation of software and training be imparted online? 6. Can we supply an e-manual and instructions if required? Can we supply an installation/user guide? 7. For the self-paced languages in Indian and foreign languages, you have requested supporting documents to prove they are internationally used. Kindly specify what supporting documents are required?	1. British English 2. The grammar module should have elearning content suitable for Lower Intermediate to Advanced levels. Should have exercises on different aspects of grammar such as tenses, punctuation, sentence structure, supra-segmental pause groups, etc. Should have content covering LSRW skills. The module should be in the form of interactive software with exercises, video clips, tracking features to record progress, and feedback options. 3. The Grammar module software should be a perpetual license and only a network version should be supplied, 4. For self-paced languages in Indian and Foreign languages, only Network versions of the software (perpetual licenses) need to be supplied. 5. The installation of software and training can be done online if there are any unfavorable conditions caused by Force Majeure events 6. The supply of an e-manual and instructions is allowed. 7. Purchase order or a letter from the OEM indicating the client locations along with proper contact details may be provided for the purpose of verification.
<b>Bidder 4</b>				
1	Technical Specifications Item Sr No 1  Page 39/115	Modular configurable type flush mount/table top AV signal aggregation Cable Cubby/ Hydraulic Pop-Up box unit:	Cable Cubby/ Hydraulic Pop-Up Box should be included as separate category along with approved makes list as per other backend video products: Extron/Crestron /AMX	Kindly read amended specifications as - "Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel, <b>Cable Cubby/Hydraulic Pop-Up box unit</b> etc."
2	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING:	1. As per system requirement the three-input switcher transmitter doesn't need any HDMI output port, since the transmitter is required to transmit signal over twisted pair output to the matrix switcher. Only twisted pair output is sufficient. However, the tender specification asks for a HDMI output port which is favoring to specific manufacturer i.e. Crestron.  2. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Please refer to the corrigendum
3	Technical Specifications Item Sr No 3  Page 39/115	HDMI TWISTED PAIR RECEIVER:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
4	Technical Specifications Item Sr No 5  Page 40/115	HDMI ACTIVE WALL/FACE PLATE:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr
5	Technical Specifications Item Sr No 7  Page 40/115	USB WIRELESS PRESENTOR SYSTEM:	1. Not all approved manufacturers make wireless presentation system with USB dongle. Presentation can be shared with wireless presentation system over direct WiFi without need of any additional USB dongle. USB dongle limits to only to certain manufacturers. 2. Kindly clarify the functionality require for support with third party app such as Microsoft Office, Skype, Lync, and Webex. 3. All manufacturers do not make wireless presentation system with built-in in wireless access point. A separate WiFi access point should also be acceptable as there will be no difference in the performance.	NIT conditions shall prevail.
6	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER – Minimum 6 video inputs:	1. Kindly clarify total number of input and output required in the matrix switcher 2. The mentioned specification such as video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6 favors only single OEM. 3. All the approved makes manufactures 8 Input, 4 output matrix switchers having 6 or more HDMI Input, 2 or more twisted pair Inputs, 2 or more HDMI output and 2 or more twisted pair outputs. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement. 4. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40-watt amplifier is restricting all approved makes to comply and favoring to only specific manufacturer.	Please refer to the corrigendum
7	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio:	1. The mentioned specification such as Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs favors only single OEM. 2. All the approved makes manufactures 8 Input, 4 output matrix switchers having 8 or more HDMI Input, 4 or more HDMI output. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement. 3. All the three approved make do not manufacture HDMI matrix switcher with built-in VGA input. VGA input is favoring to a specific manufacturer i.e. Crestron. Request to kindly remove direct VGA input from the matrix switcher to give equal opportunity to all the approved makes. 4. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40-watt amplifier is restricting all approved makes to comply and favoring to only specific manufacturer.	Please refer to the corrigendum
8	Technical Specifications Item Sr No 10  Page 41/115	1 x 8 HDMI DISTRIBUTION AMPLIFIER:	1. Eight output distribution amplifier is not required as per application requirement, also not all approved manufacturer makes 1:8 distribution amplifier. The specification is favoring to only specific manufacturer.	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
9	Technical Specifications Item Sr No 15  Page 43/115	Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs ( HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 4 full motion video inputs in single frame along with audio, Should have minimum 1TB inbuilt storage:	1. Tender specification is favoring to only one specific manufacturer i.e. Lumens. Not all the approved makes comply with the tender specification. 2. Recording of 4 full motion video inputs in single frame is prominently OEM specific. Requesting to modify four full motion videos to minimum two full motion video in single frame which will make the specs generic for all approved OEMS and shall suffice the requirement too. 3. Not all approved makes come with built in 1 TB memory. Generally, the hard drives are prone to failure, it is suggested to go with built-in Solid-State Drive (SSD) over Hard Disk Drive (HDD) for long term reliability. For additional memory, a separate hard disk drive can be should be considered. Requesting to accept external hard disk drive (HDD) in place of built in HDD. 4. Recorder should have inbuilt video scaling feature to accept varied resolution input and record them at the desired resolution. Hence request to kindly include video scaling feature in recorder.	Please refer to the corrigendum
Bidder 5	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Gooseneck Microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless Lapel microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	Technical Specifications Item Sr No 34  Page 48/115	Wireless Lapel microphone,  SITC of wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 40Mhz Or better	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless head worn microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	Technical Specifications Item Sr No 35  Page 49/115	SITC of wireless head worn microphone with True diversity receiver (UHF),12 Channel Present or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter .Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth Minimum 40mHz Mhz Or better	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless Handheld microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	Technical Specifications Item Sr No 36  Page 49/115	SITC of wireless handheld microphone with receiver (UHF),18 Channel Pre-set or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Cardioids , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter , Receiver dynamic range 80 dB (A-weighted) Or better , switching bandwidth Minimum 40 Mhz Or better.	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	UHF antenna divider	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	UHF Passive Omni directional antenna	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Antenna Cable 25 m (82 ft.)	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Antenna Combiner	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	CORDED VOCAL MICROPHONE	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless Lapel microphone,	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT conditions shall prevail.
	Technical Specifications Item Sr No 84  Page 65/115	Wireless Lapel microphone,  Wireless Lapel microphone, with receiver (UHF),18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omnidirectional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 20Hz to 20Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 30Mhz Or better.	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT conditions shall prevail.
	Technical Specifications Item Sr No 46  Page 50/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	20W Ceiling Mount Speaker	1) Same value of SPL: 103dB- mentioned for RMS & Peak.Request to amend as below: Max SPL @1Mtr: 103dB or better Maximum Peak SPL @ 1m: 109dB or better 2) Request to make the conical angle generic as 90degree which will be supported by approved OEM through out the Frequency range. 3) Request to kindly approve MUSIC TRIBE as a BRAND. MUISC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	Kindly read amended specifications as - Coverage (conical) minimum 120 degrees or higher. No change in OEM name.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 47  Page 51/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	30W Surface/Wall Mount Speaker	1) Same value of SPL: 110dB- mentioned for RMS & Peak.Request to amend as below: Max SPL@1Mtr: 105dB or better Maximum Peak SPL @1m: 110dB or better 2) Kindly amend the sensitivity value to 88dB to make each approved OEM on same platform and participate. 3) Request to kindly approve MUSIC TRIBE as a BRAND. MUISC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 48  Page 51/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	150W Column Loudspeaker	Specificiaion are as per JBL Brand only. Requet to amend as below: 1) Frequency Range(-10dB): 120Hz-16kHz 2) Sensitivity1w@1mtr: 87dB 3) Max SPL@1m: 112dB 4) Peak SPL@1m: 118dB 4) Request to kindly approve MUSIC TRIBE as a BRAND. MUISC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC,EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/JBL/Music Tribe.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 73  Page 57/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	1x12" OR BETTER PASSIVE LOUDSPEAKER	Specificiaion are as per JBL Brand only. Requet to amend as below: 1) Frequency Range(-10dB): 50Hz-18kHz 2) Frequency Response(-3dB): 55Hz-18kHz 3) Coverage Pattern: H x 70-90degree, V x 40-60degree 4) Power Handling: Passive 400W. No need to define the Bi-amp.. as the amplifier considered for Passive Mode only. 5) Sensitivity1w@1mtr: 95dB 6) Max Peak SPL@1m: 128dB 7) Multiple Rigging M10,M8 point for Ceiling Hung 8) Birch Plywood Enclosure 9) Request to remove parameter which are specific to JBL Make. 10) Request to kindly approve MUSIC TRIBE as a BRAND. MUISC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 74  Page 57/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	1x15" OR BETTER PASSIVE SUBWOOFER	Specification are as per JBL Brand only. Request to amend as below: 1) Driver Size; 2 x 12" OR 1 x 18" 2) Peak Power Handling: 2200W. 3) Max Peak SPL@1m: 129dB. With this SPL Subwoofer will not be underpower with respect to the speaker specification. 4) Birch Plywood Enclosure 5) Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world recognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 6) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	2-way active studio monitors ideally suited for computer studios, audio and multimedia workstations and keyboard monitoring Built-in powerful 2 x 20-Watt amplifiers with immense headroom  Powerful woofers and high resolution tweeters provide an ultralinear frequency response Ultra-high resolution 24bit/192kHz D/A converters for an incredible dynamic range Optical and coaxial inputs to directly connect digital audio sources by S/PDIF interface.	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world recognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Four Channel Power Amplifier 4 x 300 W - Bose / Dynacord / Crown	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world- recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Dynacord/Crown/Music Tribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Dual Channel Power Amplifier 2 x 80 W - Bose / Dynacord / Crown	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world- recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Dynacord/Crown/Music Tribe.	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 75  Page 58/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	2 x 600 W Class D Power Amplifier - Bose / Dynacord / Crown	This amplifier will be used to drive the 12" speaker and subwoofer on impedance. Hence no need to have rating on 70V/100V. Sampling Rate: 96kHz, 24bit Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world- recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Dynacord/Crown/Music Tribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	22 CHANNEL AUDIO MIXER - Sound craft / Dynacord / Yamaha	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world-recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Soundcraft/Dynacord/Yamaha/Music Tribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Audio Mixer - Sound craft / Dynacord / Yamaha	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world-recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Soundcraft/Dynacord/Yamaha/Music Tribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	12 x 8 AUDIO DSP (with AEC feature) - Biamp/ BSS/ Extron/ Crestron	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world-recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Biamp/ BSS/ Extron/ Crestron/ Music Tribe.	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	6 x 4 AUDIO DSP - Biamp/BSS/Extron/Crestron	Kindly amend Biamp/BSS/Extron/Crestron/Audio Technica	NIT conditions shall prevail.



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Central control unit should have the following features - Beyerdynamic / Bosch / Sennheiser	Kindly amend Beyerdynamic/Bosch/Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Digital Table Top wired Chairman Unit - Beyerdynamic / Bosch / Sennheiser	Kindly amend Beyerdynamic/Bosch/Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Digital Table top wired delegate unit - Beyerdynamic / Bosch / Sennheiser	Kindly amend Beyerdynamic/Bosch/Sennheiser/Audio Technica	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	SITC of modular configurable type flush mount / table top AV signal aggregation unit for various AV inputs. It should be complete with enclosure, inner frame, power socket and power cord etc. for min. requirement of 1 x HDMI, 1 x Display port, 1 x VGA+ 3.5mm audio, 1 x RJ-45 Ethernet LAN, 1 x 10Amps power outlet. Certificates to be enclosed along with Catalogue.	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for HDMI video to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission. • Video transmission:</p>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI TWISTED PAIR RECEIVER HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio length minimum 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. • The device shall receive HDMI plus control signal up to 330 feet (100 meters) over a shielded twisted pair CAT6 cable • Input: 1 x twisted pair on RJ-45 • Outputs: 1 x HDMI with audio • Shall be able to accept additional RS232 and IR signals over CAT6 cable • Video standards supported: the unit shall be EDID &amp; HDCP compliant</p>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>SITC of HDMI Twisted Pair Extender, Transmits HDMI and control signal up to 230 feet (70 meters) over a shielded CAT6 cable, Output: One CAT6 twisted pair output on RJ-45, Inputs: One HDMI, Supports EDID and HDCP transmission.</p> <ul style="list-style-type: none"> <li>• The device shall transmit HDMI plus control signal up to (70 meters) over a shielded twisted pair CAT6 cable</li> <li>• Inputs: 1 x HDMI</li> <li>• Output: 1 x twisted pair output on RJ-45</li> <li>• The device shall be capable of transmitting RS232 and IR signals over CAT6 cable</li> <li>• Video standards supported: the unit shall be EDID &amp; HDCP compliant</li> </ul>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI ACTIVE WALL/FACE PLATE</p> <p>HDMI active transmitter wall/face plate, 1 x HDMI input &amp; 1 x CAT6 output supporting length minimum 230 ft. (70 meters) device should support HDCP and EDID transmission. • The device shall transmit HDMI plus control signal up to 100 meters over a twisted pair shielded CAT6 cable • Inputs: 1 x HDMI • Output: 1 x Twisted pair output on RJ-45 • The device shall be capable of transmitting RS232 and IR signals over CAT6 cable • Video standards supported: the unit shall be EDID &amp; HDCP compliant</p>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI PASSIVE WALL PLATE</p>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	USB WIRELESS PRESENTOR SYSTEM Wireless Presentation Unit of HD content using laptops, tablets, and smartphones. Compatible with Windows OS X, Apple iOS, and Android, Supports Full HD 1080p display resolutions; shall provide minimum 1 x HDMI output. 2 Nos of USB dongle required with device. <ul style="list-style-type: none"> <li>• Wireless connection for up to 64 devices</li> <li>• Should support collaboration features</li> <li>• Should support Web Browsers such as Internet Explorer, Mozilla and Chrome</li> <li>• Should support third party app such as Microsoft Office, Skype, Lync, and webex.</li> <li>• Simultaneous content display :- 4 user or higher</li> </ul>	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona	NIT conditions shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	HDMI SCALAR CUM MATRIX SWITCHER –  Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, 1 x audio output. It shall support resolutions upto 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. <ul style="list-style-type: none"> <li>• Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable.</li> <li>• Output signals requirements: minimum 2 x HDMI plus minimum 1 x CAT6 output for transmitting video over length minimum 230</li> </ul>	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI SCALAR PLUS MATRIX SWITCHER – Minimum</p> <p>6 video inputs, outputs - minimum 2 x video and 1 x audio</p> <p>Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs; It shall support resolutions up to 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant.</p> <ul style="list-style-type: none"> <li>• Input signals requirements: minimum 4 x HDMI plus minimum 2 x VGA + Audio.</li> <li>• Output signals requirements: minimum 2 x HDMI</li> </ul>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>1 x 8 HDMI DISTRIBUTION AMPLIFIER</p> <p>1:8 Distribution Amplifier having 1 x HDMI input and minimum 8 x HDMI outputs, shall be EDID and HDCP compliant.</p> <ul style="list-style-type: none"> <li>• Input signals requirements : minimum 1 x HDMI</li> <li>• Output signals Requirements: minimum 8 x HDMI</li> <li>• Video standards supported: the unit shall be EDID &amp; HDCP compliant .</li> </ul> <p>Approved Make: Crestron/Extron/AMX/Lightware</p>	<p>Approved Make List: Crestron/Extron/AMX/Lightware</p> <p>Request to be amended as:</p> <p>Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>1 x 4 HDMI DISTRIBUTION AMPLIFIER</p> <p>1:4 Distribution Amplifier having 1 x HDMI input and minimum 4 x HDMI outputs, shall be EDID and HDCP compliant.</p> <ul style="list-style-type: none"> <li>• Input signals requirements: minimum 1 x HDMI</li> <li>• Output signals requirements: minimum 4 x HDMI</li> <li>• Video standards supported: the unit shall be EDID &amp; HDCP compliant.</li> </ul>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p><b>CONTROL PROCESSOR</b></p> <p>Control Processor, with minimum ports as follows:</p> <p>Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T.</p> <p>Control Processor shall have:</p> <ul style="list-style-type: none"> <li>• At least two bidirectional RS-232 serial ports</li> </ul>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>NIT conditions shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p>	<p><b>WIRED CONTROL PANEL</b></p> <p>Podium mountable, minimum 8-Button wired control panel for controlling various devices; it</p>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Panduit-Atlona</p>	<p>This should be read as</p> <p>SITC of podium mountable, minimum 8-Button wired control panel for controlling various devices; it shall have - one volume control knob; minimum 2 x RS 232, 3 x Relays and 2 x IR ports, 1 x LAN to control the devices as per OEM confirming to the system functionality as per site.</p>
<p>Bidder 6</p>	<p>Page 69/115 to 71/115</p>			<p>A wired button control panel shall be provided for control of devices - minimum 8 buttons or more as per the requirements of each individual room/area, with required no. of RS232, IR and RJ-45 based Ethernet IP Ports to control up to 1 projectors, 1 screens, 1 - 6x2 switcher, 1 annotation processor, 1 video recording device, 1 – 3 Input transmitter + receiver for (input switching) and audio system DSP as per the requirements of individual room.</p> <p>However, following minimum requirement of ports shall be met:</p> <ul style="list-style-type: none"> <li>• Should have minimum 1 x Ethernet on RJ45 for monitoring and control over TCP/IP protocols, supporting minimum Fast Ethernet (10/100Mbps) speeds</li> </ul>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
				<p>specus</p> <ul style="list-style-type: none"> <li>• Should have minimum 2 x bi-directional RS232 ports for control.</li> <li>• Should have minimum 2 x relay ports</li> <li>• Should have minimum 1 x IR sensor for reading IR commands from devices</li> <li>• Should have minimum 8 x programmable buttons with backlighting/LED indication for various AV control functions assignments, including input selections as per OEM confirming to the system functionality as per site.</li> <li>• Should have minimum 1 x rotary dial/knob for volume control.</li> </ul>
1	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	5" and 3" Speakers, Loudspeaker and Subwoofer  Bose / Electro voice / JBL	be amended to  Bose / Electro voice / JBL / Music Tribe (Tannoy)/ Music Tribe (Turbosound)	NIT conditions shall prevail.
2	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Column Speakers  Bose / Renkus-Heinz / JBL	be amended to  Bose / Electro voice / JBL / Music Tribe (Tannoy)	NIT conditions shall prevail.
3	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Audio Amplifiers  Bose / Dynacord / Crown	be amended to:  Bose / Dynacord / Crown / Music Tribe (LabGruppen)	NIT conditions shall prevail.
4	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Audio DSP  Bi amp / BSS / Extron / Crestron	be amended to:  Bi-amp / BSS / Extron / Crestron / Music Tribe (Klarkteknik)	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
5	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Mixers  Sound craft / Dynacord / Yamaha	be amended to:  Sound craft / Dynacord / Yamaha / Music Tribe (Behringer)	NIT conditions shall prevail.
Bidder 7	Progility Tech			
1	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING:	1. As per system requirement the three-input switcher transmitter doesn't need any HDMI output port, since the transmitter is required to transmit signal over twisted pair output to the matrix switcher. Only twisted pair output is sufficient. However, the tender specification asks for a HDMI output port which is favoring to specific manufacturer.	Please refer to the corrigendum
2	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING:	2. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Please refer to the corrigendum
3	Technical Specifications Item Sr No 3  Page 39/115	HDMI TWISTED PAIR RECEIVER:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr
4	Technical Specifications Item Sr No 5  Page 40/115	HDMI ACTIVE WALL/FACE PLATE:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr
5	Technical Specifications Item Sr No 7  Page 40/115	USB WIRELESS PRESENTOR SYSTEM:	Kindly clarify the functionality require for support with third party app such as Microsoft Office, Skype, Lync, and Webex.	NIT conditions shall prevail.
6	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER – Minimum 6 video inputs:	1. Kindly clarify total number of input and output required in the matrix switcher 2. The mentioned specification such as video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6 favors only single OEM. 3. All the approved makes manufactures 8 Input, 4 output matrix switchers having 6 or more HDMI Input, 2 or more twisted pair Inputs, 2 or more HDMI output and 2 or more twisted pair outputs. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement. 4. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40-watt amplifier is restricting all approved makes to comply and favoring to only specific manufacturer.	Please refer to the corrigendum



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
7	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio:	<p>1. The mentioned specification such as Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs favors only single OEM.</p> <p>2. All the approved makes manufactures 8 Input, 4 output matrix switchers having 8 or more HDMI Input, 4 or more HDMI output. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement.</p> <p>3. All the three approved make do not manufacture HDMI matrix switcher with built-in VGA input. VGA input is favoring to a specific manufacturer i.e. Crestron. Request to kindly remove direct VGA input from the matrix switcher to give equal opportunity to all the approved makes.</p> <p>4. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40-watt amplifier is restricting all approved makes to comply and favoring to only specific manufacturer.</p>	Please refer to the corrigendum
8	Technical Specifications Item Sr No 15  Page 43/115	Inputs ( HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 4 full motion video inputs in single frame along with audio, Should have minimum 1TB inbuilt storage:	<p>1. Recording of 4 full motion video inputs in single frame is prominently OEM specific. Requesting to modify four full motion videos to minimum two full motion video in single frame which will make the specs generic for all approved OEMS and shall suffice the requirement too.</p> <p>2. Tender specification is favoring to only one specific manufacturer i.e. Lumens. Not all the approved makes comply with the tender specification.</p> <p>3. Recorder should have inbuilt video scaling feature to accept varied resolution input and record them at the desired resolution. Hence request to kindly include video scaling feature in recorder.</p> <p>4. Not all approved makes come with built in 1 TB memory. Generally, the hard drives are prone to failure, it is suggested to go with built-in Solid-State Drive (SSD) over Hard Disk Drive (HDD) for long term reliability. For additional memory, a separate hard disk drive can be should be considered. Requesting to accept external hard disk drive (HDD) in place of built in HDD.</p>	Please refer to the corrigendum
9	Technical Specifications Item Sr No 46  Page 50 & 51 /115	20W Ceiling Mount Speaker	<p>It is kindly requested to specify whether the desired sensitivity rating is half space or free field.</p> <p>The 2 methods of measuring sensitivity generate different results and different manufacturers follow different methods.</p> <p>It is kind request to change the Sentivity parameter to 83db instead of 86db to comply other approved OEM/Make</p>	Sensitivity rating can be half space/ free field. No change in specification
10	Technical Specifications Item Sr No 47  Page 51 /115	30 Watt Wall Mount Speakers	<p>It is kindly requested to specify whether the desired sensitivity rating is half space or free field.</p> <p>The 2 methods of measuring sensitivity generate different results and different manufacturers follow different methods.</p> <p>It is kind request to change the Sentivity parameter to 87db instead of 90db to comply other approved OEM/Make</p>	Sensitivity rating can be half space/ free field. No change in specification
11	Technical Specifications Item Sr No 48  Page 51 /115	150W column Loudspeaker	<p>Kindly specify whether the desired sensitivity rating is half space or free field It is kind request to change the following tehcnical parameter to comply other approved OEM/Make.</p> <p>a) Frequency range to 100Hz-16kHz instead of 80 Hz - 20 KHz b)Sensitivity SPL/W@1 Mtr to 88dB instead of 93 dB SPL or better c) Max SPL@1 Mtr to 113dB instead of 115 dB or better</p>	Sensitivity rating can be half space/ free field. No change in specification

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
12	Technical Specifications Item Sr No 74 Page 57 /115	1x15" or better passive subwoofer	It is kind request to change the ohm impedance technical parameter to 4/8 ohm instead of 8 ohm to comply other approved OEM/Make. 1x15" passive subwoofer is not available in other approved OEM/Make, it is kind request to change the 1x15" or 2x 12" passive subwoofer instead of 1x15" subwoofer to comply other OEM/Make products.	NIT conditions shall prevail.
<b>Bidder 8</b>				
1	Technical Specifications Item Sr No 46 Page 50 & 51 /115	20W Ceiling Mount Speaker SITC of full-range or 2-way minimum 3" or better ceiling mount loudspeaker,	It is kindly requested to specify whether the desired sensitivity rating is half space or free field.  The 2 methods of measuring sensitivity generate different results and different manufacturers follow different methods.	Sensitivity rating can be half space/ free field.
2	Technical Specifications Item Sr No 47 Page 51/115	30W Surface/Wall Mount Speaker SITC of full-range, minimum 5" surface/wall mount loudspeaker, accessories.	It is kindly requested to specify whether the desired sensitivity rating is half space or free field.  The 2 methods of measuring sensitivity generate different results and different manufacturers follow different methods.	Sensitivity rating can be half space/ free field.
3	Technical Specifications Item Sr No 48 Page 51/115	150W Column Loudspeaker SITC of full-range 150W or better column type left and right loudspeaker, frequency response: 80 Hz - 20 KHz,	Kindly allow for this deviation in freq range as offered product is suitable for most of vocal and recorded content playback	NIT conditions shall prevail.
4	Technical Specifications Item Sr No 48 Page 51/115	150W Column Loudspeaker SITC of full-range 150W or better column type left and right loudspeaker, Sensitivity: SPL/W@1 Mtr - 93 dB SPL or better,	Kindly specify whether the desired sensitivity rating is half space or free field	Sensitivity rating can be half space/ free field.
5	Technical Specifications Item Sr No 48 Page 51/115	150W Column Loudspeaker SITC of full-range 150W or better column type left and right loudspeaker, Max SPL@1 Mtr - 115 dB or better and	Kindly specify whether the desired Max SPL is half space or free field	Sensitivity rating can be half space/ free field.
6	Technical Specifications Item Sr No 50 Page 52/115	Dual Channel Power Amplifier 2 x 80 W SITC of Dual Channel Class D or Class AB Power Amplifier,	Kindly specify the type and count of speakers to be used on this amplifier, We believe that both 3" Ceiling and 5" surface speakers are suitable to be used on the offered wattage of 60W/channel	Please refer the tender document where in the classroom requirement is briefly given. If any further information is required conduct a site survey for better understanding of the solution.
7	Technical Specifications Item Sr No 73 Page 57/115	1x12" OR BETTER PASSIVE LOUDSPEAKER SITC of 1x12" or better passive loudspeaker,	No mention of critical specifications like Sensitivity/Max SPL, power handling capacity and desired frequency response. Kindly also mention purpose and areas where it is to be used.	Refer to NIT point 73. pg 57

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
8	Technical Specifications Item Sr No 74 Page 57/115	1x15" OR BETTER PASSIVE SUBWOOFER SITC of 1x15" or better passive subwoofer	No mention of critical specifications like Sensitivity/Max SPL, power handling capacity and desired frequency response. Also, it is requested to allow Dual 12" speakers to be used as 15" sub is not available with Bose	Refer to NIT point 74. pg 57
Bidder 9				
	Technical Specifications Item Sr No 20 Page 44/115	Video Conferencing/Full HD Video Conferencing System	1. VC System should be dual camera/two camera system with both cameras of minimum 10X Optical Zoom to provide automatic voice and speaker framing of the active speaker in the room with a range up to 32 feet. It should be possible to send both active speaker in zoomed mode and room view in PIP to far side location during a VC call in a single stream.  With Active Speaker tracking camera Customer can have a hassle free video conference. Without bothering about camera frame customer can fully concentrate in the conversation. Camera will automatically track the active speaker in the room & will also cover the other present in the room.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 20 Page 44/115	Video Conferencing/Full HD Video Conferencing System	2. VC System should support at least 4 mics.  If the VC room is big customer has option to provide separate mic to a group of participants.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 20 Page 44/115	Video Conferencing/Full HD Video Conferencing System	3. VC System should support ceiling mic as well as table mic from same OEM.  With ceiling mic installed customer doesn't have to pass the mic to the next speaker. Person seating at any corner of the room can be heard over VC at far end.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 20 Page 44/115	Video Conferencing/Full HD Video Conferencing System	4. Optical zoom - 12 x mentioned, try to make it 10x.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 20 Page 44/115	Video Conferencing/Full HD Video Conferencing System	5. Audio Outputs - 1 x HDMI embedded, 1 x Stereo, 1 x RCA. It should be 1 x HDMI embedded, 1 x Stereo\1 x RCA.	NIT conditions shall prevail.
	<b>Page 31 of BoM SI. No. 66: SFTP Cable</b>  <b>Page 55 of Specification SI.No.66: SFTP cable</b>	<b>Page 31 of BoM SI. No. 66:</b> 24 AWG, 4 Pair, Shielded UTP Category 6 Cable (300mtr/1000ft box) with connectors.  <b>Page 55 of Specification:</b> 22 AWG, 4 Pair, Shielded / FTP UTP Category 6/7a Cable (300mtr/1000ft box).	Requirement mentioned in the BoM & Specification are different. Cat6 Cable are 23AWG type. It comes with the box size of 305Mtr. Therefore Requesting to kindly change it to as follows: <b>23 AWG, 4 Pair, Shielded / FTP Category 6 Cable (305mtr box).</b>	Kindly read amended specifications as - "Minimum 24 AWG, bandwidth @ 450MHz, 4 Pair, SF/UTP construction or F/UTP construction (1000 ft box)."

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>Page 31 of BoM Sl. No. 69: Layer2 manageable networking switch</p> <p>Page 55 of Specification Sl. No. 69: Layer2 manageable networking switch</p>	PoE power Budget	<p>As per BoM, 350Watt PoE power budget is asked, but in specification 120Watt PoE power budget is asked.</p> <p>Requesting you to kindly change it is 185Watt PoE power budget which is sufficient for your requirement</p>	<p>Kindly read amended specifications as - "350 Watts POE Budget"</p>
	<p>Page 31 of BoM Sl. No. 69: Layer2 manageable networking switch</p> <p>Page 55 of Specification Sl. No. 69: Layer2 manageable networking switch</p>	DNS	<p>DNS feature is not required at Access Layer switch. Requesting you to kindly remove it.</p>	<p>NIT conditions shall prevail.</p>
	<p>Page 31 of BoM Sl. No. 69: Layer2 manageable networking switch</p> <p>Page 55 of Specification Sl. No. 69: Layer2 manageable networking switch</p>	4K MAC Addresses	<p>Support for 16K MAC address table size is normal configuration of commercially available switches. Therefore requesting you to kindly change it to minimum 16K MAC Address support</p>	<p>NIT conditions shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Page 31 of BoM Sl. No. 70: Wireless Access Point  Page 56 of Specification Sl. No. 70: Wireless Access Point	Maximum Associated Users: 240 (120 per radio)	In practical scenario, users will not get sufficient bandwidth when 240 users are connected to each access point. Therefore we are requesting you to change it to maximum associated users: 64 (32 per radio).	Kindly read amended specifications as - "Minimum associated user <b>24 (12 per radio)</b> "
	Technical Specifications Item Sr No 46  Page 50 & 51 /115	20W Ceiling Mount Speaker  SITC of full-range or 2-way minimum 3" or better ceiling mount loudspeaker,	It is kindly requested to specify whether the desired sensitivity rating is half space or free field.  The 2 methods of measuring sensitivity generate different results and different manufacturers follow different methods.	Sensitivity rating can be half space/ free field.
	Technical Specifications Item Sr No 47  Page 51/115	30W Surface/Wall Mount Speaker  SITC of full-range, minimum 5" surface/wall mount loudspeaker, accessories.	It is kindly requested to specify whether the desired sensitivity rating is half space or free field.  The 2 methods of measuring sensitivity generate different results and different manufacturers follow different methods.	Sensitivity rating can be half space/ free field.
	Technical Specifications Item Sr No 48  Page 51/115	150W Column Loudspeaker  SITC of full-range 150W or better column type left and right loudspeaker, frequency response: 80 Hz - 20 KHz,	Kindly allow for this deviation in freq range as offered product is suitable for most of vocal and recorded content playback	NIT conditions shall prevail.
	Technical Specifications Item Sr No 48  Page 51/115	150W Column Loudspeaker  SITC of full-range 150W or better column type left and right loudspeaker,  Sensitivity: SPL/W@1 Mtr - 93 dB SPL or better,	Kindly specify whether the desired sensitivity rating is half space or free field	Sensitivity rating can be half space/ free field.
	Technical Specifications Item Sr No 48  Page 51/115	150W Column Loudspeaker  SITC of full-range 150W or better column type left and right loudspeaker,  Max SPL@1 Mtr - 115 dB or better and	Kindly specify whether the desired Max SPL is half space or free field	Sensitivity rating can be half space/ free field.
	Technical Specifications Item Sr No 50  Page 52/115	Dual Channel Power Amplifier 2 x 80 W  SITC of Dual Channel Class D or Class AB Power Amplifier,	Kindly specify the type and count of speakers to be used on this amplifier, We believe that both 3" Ceiling and 5" surface speakers are suitable to be used on the offered wattage of 60W/channel	Please refer the tender document where in the classroom requirement is briefly given. If any further information is required conduct a site survey for better understanding of the solution.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 73 Page 57/115	1x12" OR BETTER PASSIVE LOUDSPEAKER  SITC of 1x12" or better passive loudspeaker,	No mention of critical specifications like Sensitivity/Max SPL, power handling capacity and desired frequency response. Kindly also mention purpose and areas where it is to be used.	Refer to NIT point 73. pg 57
	Technical Specifications Item Sr No 74 Page 57/115	1x15" OR BETTER PASSIVE SUBWOOFER  SITC of 1x15" or better passive subwoofer	No mention of critical specifications like Sensitivity/Max SPL, power handling capacity and desired frequency response. Also, it is requested to allow Dual 12" speakers to be used as 15" sub is not available with Bose	Refer to NIT point 74. pg 57
	Technical Specifications Item Sr No 33 Page 48/115	SITC of Gooseneck Microphone with Cardioid polar pattern with a high gain before feedback, Filter to suppress wind or pop noise Non-glare surface, Connection via 3-pin XLR male connector length of gooseneck microphone 450mm or better Max. SPL 124 dB [SPL @ 1% THD] , Signal-to noise ratio 64 dB [A, rms] ,Equivalent SPL 30 dB [A, rms]	Equivalent SPL 26 dB A, Max SPL 130 dB, S/N Ratio 68 dB	NIT conditions shall prevail.
	Technical Specifications Item Sr No 34 Page 48/115	SITC of wireless Lapel microphone, with receiver (UHF),18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (Aweighted) switching bandwidth Minimum 40Mhz Or better	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 35  Page 49/115	SITC of wireless head worn microphone with True diversity receiver (UHF),12 Channel Present or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter .Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth Minimum 40mHz Mhz Or better	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.
	Technical Specifications Item Sr No 35  Page 49/115	SITC of wireless head worn microphone with True diversity receiver (UHF),12 Channel Present or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter .Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth Minimum 40mHz Mhz Or better	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.
	Technical Specifications Item Sr No 36  Page 49/115	SITC of wireless handheld microphone with receiver (UHF),18 Channel Pre-set or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Cardioids , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter , Receiver dynamic range 80 dB (A-weighted) Or better , switching bandwidth Minimum 40 Mhz Or better.	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 37  Page 49/115	UHF antenna divider, 4-way, active, 19" housing, 1 U, for wireless systems with BNC connector, incl. mic. cable set and rack mount brackets. All cables and connectors for wireless system shall be original OEM supplied.	ok	NIT conditions prevail
	Technical Specifications Item Sr No 38  Page 49/115	UHF Passive Omni directional antenna, for wireless microphone system and compatible with wireless microphone frequency range.	ok	NIT conditions prevail
	Technical Specifications Item Sr No 39  Page 49/115	Antenna Cable 25 m (82 ft.). All cables and connectors for wireless system shall be original OEM supplied.	ok	NIT conditions prevail
	Technical Specifications Item Sr No 40  Page 49/115	Antenna Combiner (2 inputs / 1 output), to combine the antenna signals and compatible with the wireless microphone system All cables and connectors for wireless system shall be original OEM supplied.	ok	NIT conditions prevail
	Technical Specifications Item Sr No 54  Page 53/115	Central control unit should have the following features, the central unit for powering, configuring and Controlling connected Chairman, Delegate units, and option to control up to 100 units without any power supply. The system should have in built digital processing and control/ transmission of the Digital audio signals. It should have basic management facilities with at least 8 open microphones should have recording facility SD Card.	With only 20 - 25 units required per central unit (considering 3 central units for 3 separate rooms), having a feature with control upto 100 units without power supply is an unnecessary and misleading requirement. This point gives unnecessary advantage without affecting tender functionality and is requested to be removed. Also, the device should be completely digital and should have inbuilt equalization, feedback suppression, microphone limiting, and conference modes and recording feature via USB for better performance and efficient usage	Please refer to the corrigendum



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 55  Page 54/115	The digital Table Top wired Chairman Unit, should have clear button for deactivating all the microphone headphone connector and headphone volume control, that included detachable gooseneck microphone should be free from interference caused by mobile phones. Include the inbuilt Loudspeaker. It should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button RJ 45 connectors for separate loop through cabling. Microphone length should not be less than 450 mm or better, 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required	Microphone length is suggested to be kept between 350 - 450 mm as standard size as all OEMs have different form factors. The range asked for is suitable for normal Indian body posture for using microphone in conference room while seated, polarity should be super cardoid / hyper cardoid for better pick up and better noise cancellation / feedback resistance. Detachable microphone is not required as it is a wired unit and will be permanently installed and is again misleading with no effect on functionality. Should have inbuilt twin loudspeaker.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 56  Page 54/115	The digital Table top wired delegate unit, should have headphone connector and headphone volume control, that include detachable gooseneck microphone, should be free from interference caused by mobile phones. Inbuilt Loudspeakers, it should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button, RJ45 connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better, 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required	Microphone length is suggested to be kept between 350 - 450 mm as standard size as all OEMs have different form factors. The range asked for is suitable for normal Indian body posture for using microphone in conference room while seated, polarity should be super cardoid / hyper cardoid for better pick up and better noise cancellation / feedback resistance. Detachable microphone is not required as it is a wired unit and will be permanently installed and is again misleading with no effect on functionality. Should have inbuilt twin loudspeaker.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 72  Page 56/115	SITC of Corded Vocal Microphone, with frequency response 80Hz-16kHz, Cardioid, Super-Cardioid polar pattern or better pattern, sensitivity of min. 2.2mV/Pa or better and min. impedance 600 ohm or better including microphone stand.	ok	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 84  Page 65/115	Wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better, Display on Transmitter and Receiver, RF Power output 50mW or Better, Polar Pattern :- Omnidirectional, Carrier frequency range 500Mhz to 865Mhz, Frequency response 20Hz to 20Khz, Mute Button on Transmitter, Battery Operation time Minimum 8hr, Should have Charging Contact in Body pack Transmitter. Receiver dynamic range 80dB (Aweighted) switching bandwidth Minimum 30Mhz Or better.	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.
	Technical Specifications Item Sr No 44  Page 50/115	SITC of 12x8 DSP - Digital Matrix Processors, with 12 mic/line inputs and 8 outputs with AEC - Acoustic Echo Cancellation features.	Request you to pl include the name of XILICA in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 45  Page 50/115	SITC of 6x4 DSP - Digital Matrix Processors, with 6 mic/line inputs and 4 outputs.	Request you to pl include the name of XILICA in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 46  Page 50 & 51 /115	SITC of full-range or 2-way minimum 3" or better ceiling mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 95 Hz - 17 kHz (-10dB), Power handling@70/100V : 20W or better, Sensitivity : SPL/W@1 Mtr - 86 db or better, Max SPL@1 Mtr - 103dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 47  Page 51/115	SITC of full-range, minimum 5" surface/wall mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 60 Hz - 20KHz (-10dB), Power handling@70/100V : 30W or better, Sensitivity : SPL/W@1 Mtr - 90 dB SPL or better, Max SPL@1 Mtr - 110dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 48  Page 51/115	SITC of full-range 150W or better column type left and right loudspeaker, 8-ohm impedance, frequency response: 80 Hz - 20 KHz, Sensitivity: SPL/W@1 Mtr - 93 dB SPL or better, Max SPL@1 Mtr - 115 dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 49  Page 51/115	SITC of Class D Power Amplifier, 4 x 300 W, selectable 4/8 ohms or 70/100V operation, Power @ 70/100V: 300W or better, supporting short circuit, thermal, and under-voltage protection, 1U/2U form factor.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 50  Page 52/115	SITC of Dual Channel Class D or Class AB Power Amplifier, 2 x 80 W @ 8 ohms, Comprehensive short circuit, thermal, and under-voltage protection, 1U/2U form factor.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 73  Page 57/115	SITC of 1x12" or better passive loudspeaker, Inclusive of all mounting brackets, assemblies, hardware and standard accessories for portable/outdoor application	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 74  Page 57/115	SITC of 1x15" or better passive subwoofer Max. power handling capacity of 1600 Watts with 8 Ohm impedance. Inclusive of all mounting brackets, assemblies, hardware and standard accessories for portable /outdoor application.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 75  Page 58/115	SITC of Class D Power Amplifier, 2 x 600 W, selectable 8 ohms operation, Power @ 70/100V: 450W or better, supporting short circuit, thermal, and under-voltage protection, 1U/2U form factor.	Request you to pl include the name of AUDAC in the approved makelist, it is part of Sennheiser India portfolio and Sennheiser make is already approved	NIT conditions shall prevail.
	Technical Specifications Item Sr No 1  Page 39/115	Modular configurable type flush mount/table top AV signal aggregation Cable Cubby/ Hydraulic Pop-Up box unit:	Cable Cubby/ Hydraulic Pop-Up Box should be included as separate category along with approved makes list as per other backend video products: Extron/Crestron /AMX	Kindly read amended specifications as - "Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel, <b>Cable Cubby/Hydraulic Pop-Up box unit</b> etc."
	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING:	1. As per system requirement the three-input switcher transmitter doesn't need any HDMI output port, since the transmitter is required to transmit signal over twisted pair output to the matrix switcher. Only twisted pair output is sufficient. However, the tender specification asks for a HDMI output port which is favoring to specific manufacturer i.e. Crestron.  2. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 3  Page 39/115	HDMI TWISTED PAIR RECEIVER:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr
	Technical Specifications Item Sr No 5  Page 40/115	HDMI ACTIVE WALL/FACE PLATE:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr
	Technical Specifications Item Sr No 7  Page 40/115	USB WIRELESS PRESENTOR SYSTEM:	1. Not all approved manufacturers make wireless presentation system with USB dongle. Presentation can be shared with wireless presentation system over direct WiFi without need of any additional USB dongle. USB dongle limits to only to certain manufacturers. 2. Kindly clarify the functionality require for support with third party app such as Microsoft Office, Skype, Lync, and Webex. 3. All manufacturers do not make wireless presentation system with built-in in wireless access point. A separate WiFi access point should also be acceptable as there will be no difference in the performance.	NIT conditions shall prevail.
	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER – Minimum 6 video inputs:	1. Kindly clarify total number of input and output required in the matrix switcher 2. The mentioned specification such as video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6 favors only single OEM. 3. All the approved makes manufactures 8 Input, 4 output matrix switchers having 6 or more HDMI Input, 2 or more twisted pair Inputs, 2 or more HDMI output and 2 or more twisted pair outputs. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement. 4. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40-watt amplifier is restricting all approved makes to comply and favoring to only specific manufacturer.	Please refer to the corrigendum
	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio:	1. The mentioned specification such as Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs favors only single OEM. 2. All the approved makes manufactures 8 Input, 4 output matrix switchers having 8 or more HDMI Input, 4 or more HDMI output. This input and output configuration can be supported by all the three approved makes while fulfilling the functional requirement. 3. All the three approved make do not manufacture HDMI matrix switcher with built-in VGA input. VGA input is favoring to a specific manufacturer i.e. Crestron. Request to kindly remove direct VGA input from the matrix switcher to give equal opportunity to all the approved makes. 4. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Built in 40-watt amplifier is restricting all approved makes to comply and favoring to only specific manufacturer.	Please refer to the corrigendum
	Technical Specifications Item Sr No 10  Page 41/115	1 x 8 HDMI DISTRIBUTION AMPLIFIER:	1. Eight output distribution amplifier is not required as per application requirement, also not all approved manufacturer makes 1:8 distribution amplifier. The specification is favoring to only specific manufacturer.	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 15  Page 43/115	Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs ( HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 4 full motion video inputs in single frame along with audio, Should have minimum 1TB inbuilt storage:	1. Tender specification is favoring to only one specific manufacturer i.e. Lumens. Not all the approved makes comply with the tender specification. 2. Recording of 4 full motion video inputs in single frame is prominently OEM specific. Requesting to modify four full motion videos to minimum two full motion video in single frame which will make the specs generic for all approved OEMS and shall suffice the requirement too. 3. Not all approved makes come with built in 1 TB memory. Generally, the hard drives are prone to failure, it is suggested to go with built-in Solid-State Drive (SSD) over Hard Disk Drive (HDD) for long term reliability. For additional memory, a separate hard disk drive can be should be considered. Requesting to accept external hard disk drive (HDD) in place of built in HDD. 4. Recorder should have inbuilt video scaling feature to accept varied resolution input and record them at the desired resolution. Hence request to kindly include video scaling feature in recorder.	Please refer to the corrigendum
Bidder 10				
	NIT Page 7/115	The bidder shall furnish a SOLVENCY CERTIFICATE of value not less than INR. 2.55 Crores certified by his bankers. Such certificate shall not be of a date, which is more than six months prior to the date of submission of tender.	With the inclusion of Audited Balance sheets and Profit/loss statements in the bid, the solvency certificate becomes redundant. Please remove the requirement for the solvency certificate of 2.55 crores	Please refer to the corrigendum
	NIT Page 7/115	The similar work means supply & installation & on-site support of all/ most of the IT, audio & video items mentioned in this tender document in a single project on turn-key basis in last seven years in India.	We request that similar works (to be submitted) should not be confined to projects based in India. Projects that were completed in other countries should be allowed against any supply orders/ contracts/ agreements issued by Government of India (ministry/ department/ PSU/ educational institutions such as IIT's, NIT's, or other such central universities/ autonomous government body) .	Please refer to the corrigendum
	NIT Page 12/115	The bidder should have minimum average turnover of INR 3.20 Crores during the immediate last three consecutive financial years. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the Chartered Accountant. The bidder(s) are required to submit at least the audited profit and loss statement sheet duly certified by the Chartered Accountant.	Please suggest wheather the criteria of profitability has to fulfilled in the last 3 years or 5 years.	NIT Conditions shall prevail. Turnover for 3 years, profitability for 5 years.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page 7/115	<p>The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on previous day of last date of submission of bids.</p> <p>For the above experience, the bidder should enclose the completion certificate duly issued by the end user. The bidder should have completed Audio &amp; video project/s of at least ONE similar job not less than INR 5.10 Crore OR TWO similar job not less than INR 3.82 Crore OR THREE similar works not less than</p>	We would like to request that the time limit for the previous similar works be increase from seven years to 10 years, in the interest of greater competition	Kindly read amendment as - The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on 31st March 2020.
	NIT Page 17/115	<p>Nalanda University would evaluate the technical bids based on the following Point criteria: The bidders are requested to submit the forms as mentioned/tabulated below Form D</p>	The format of Form D given in the NIT is the standard for CPWD and other government organisations do not give completions in the same format. Therefore please remove the form D as it will be very problematic to obtain them in the present scenario.	Bidder shall submit the duly signed & stamped installation and commitioning certificate along with the supply order. The copy of purchase order along with installation and commisioning certificate enclosed along with technical bid as an experience of bidder shall be duly notarized. The details of FORM D should be furnished on the letter head of Bidder duly signed & stamped.
	NIT Page 8/115	Undertaking to the effect that a Performance Bank Guarantee (PBG) of 5% of the order value will be submitted within15 (fifteen) days of the receipt of Letter of award (LOA) or Supply Order from Nalanda University, Bihar.	Please confirm that the PBG has to be given within 30 days of LOA	Please refer to the corrigendum
	NIT Page 22/115	Performance Bank Guarantee (PBG): The successful bidder must submit a Performance Bank Guarantee (PBG) of 5% of the order value within 30 days of receipt of supply order by Nalanda University, District Rajgir, Bihar as per the format provided in the tender document. This Bank Guarantee should remain valid Six months beyond the period of delivery, installation & warranty.	Please confirm that the PBG has to be given within 30 days of LOA	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for HDMI video to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission • Video transmission:	For healthy competition, we request that the clause be changed to "3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1x video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for video, audio, control to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission • Video transmission: shall support video transmission over CAT6 up to (70 mtr) • Video standards supported: the unit shall be EDID & HDCP compliant"	Please refer to the corrigendum
	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER – Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, 1 x audio output. It shall support resolutions upto 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable. • Output signals requirements: minimum 2 x HDMI plus minimum 1 x CAT6 output for transmitting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable • Other ports:	For healthy competition, we request that the clause be changed to "HDMI CUM MATRIX SWITCHER Minimum 8 video inputs: 6x HDMI, 2x Twisted Pair, Video Output minimum : 2x HDMI, 1x Twisted Pair. It shall support resolutions up to 1920 x 1200. the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 6 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable. • Output signals requirements: minimum 2 x HDMI plus minimum 2 x CAT6 output for transmitting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or 1 x IR port. Should be supply with built in or external minimum 40W amplified audio output. • Video standards supported: the unit shall be EDID & HDCP compliant • Resolutions supported – minimum up to 1920 x 1200	Please refer to the corrigendum



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>Technical Specifications Item Sr No 9</p> <p>Page 41/115</p>	<p>HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs; It shall support resolutions up to 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 4 x HDMI plus minimum 2 x VGA + Audio. • Output signals requirements: minimum 2 x HDMI • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay &amp; 40 amplified audio output. Video standards supported: the unit</p>	<p>For healthy competition, we request that the clause be changed to "HDMI PLUS MATRIX SWITCHER Minimum 8 video inputs, outputs - minimum 2 x video and 1 x de-embedded audio matrix switcher. having minimum six inputs - 6 x HDMI and 2 x VGA + Audio (inbuilt or external), and minimum 2 x HDMI outputs; It shall support resolutions up to 1920 x 1200. the device shall be EDID and HDCP compliant. • Input signals requirements: minimum 6 x HDMI, minimum 2 x VGA + Audio (in built or external). • Output signals requirements: minimum 4 x HDMI • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or 1 x IR port. Built in or external min 40 watt amplified audio output. • Video standards supported: the unit shall be EDID &amp; HDCP compliant • Resolutions supported – minimum up to 1920 x 1200</p>	<p>Please refer to the corrigendum</p>
	<p>Technical Specifications Item Sr No 12</p> <p>Page 41/115</p>	<p>CONTROL PROCESSOR Control Processor, with minimum ports as follows: Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T. Control Processor shall have: • At least two bidirectional RS-232 serial ports. • At least one bidirectional RS-232/RS-422/RS-485 serial port. • At least four IR/Serial ports for one-way control of external devices. • At least four Digital I/O ports. • At least four relays for controlling room functions. • At least Ethernet port supporting 10/100/1000Mbps for monitoring and control</p>	<p>For healthy competition, we request that the clause be changed to "CONTROL PROCESSOR Control Processor, with minimum ports as follows: Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, at least 2 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T. Control Processor shall have: • At least two bidirectional RS-232 serial ports. • At least one bidirectional RS-232/RS-422/RS-485 serial port. • At least two IR/Serial ports for one-way control of external devices. • At least four Digital I/O ports. • At least four relays for controlling room functions. • At least Ethernet port supporting 10/100/1000Mbps for monitoring and control. • The device shall be rack mountable</p>	<p>NIT conditions shall prevail.</p>
Bidder 11	Uflix International Pvt Ltd			
	NIT Page 7- Clause 2.f	<p>The bidder shall furnish a SOLVENCY CERTIFICATE of value not less than INR. 2.55 Crores certified by his bankers. Such certificate shall not be of a date, which is more than six months prior to the date of submission of tender.</p>	<p>You are requested to delete the clause as in this difficult time of Pandemic, Banks are working in restricted manner and it is difficult to furnish the Solvency Certificate as desired</p>	<p>Please refer to the corrigendum</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page 12- Clause 4.2	<p>The bidder should have minimum average turnover of INR 3.20 Crores during the immediate last three consecutive financial years. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed.</p> <p>The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the Chartered Accountant. The bidder(s) are required to submit at least the audited profit and loss statement sheet duly certified by the Chartered Accountant.</p>	As a normal practice we suggest for three years for the profitability criteria.	NIT Conditions shall prevail
	NIT Page 12- Clause 4.1 and Page 7 Clause 2.i	<p>The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on previous day of last date of submission of bids.</p> <p>For the above experience, the bidder should enclose the completion certificate duly issued by the end user. The bidder should have completed Audio &amp; video project/s of at least ONE similar job not less than INR 5.10 Crore OR TWO similar job not less than INR 3.82 Crore OR THREE similar jobs not less than</p>	The similar works to be submitted for experience are to be from the last 7 years. We request that you allow the similar works to be submitted from last 10 years.	Kindly refer to row number 188
	Technical Specifications Item Sr No 15 Page 43/115	Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs ( HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 4 full motion video inputs in single frame along with audio, Should have minimum 1TB inbuilt storage.	Since specification is favouring to single OEM and hence needs to be modified so that other make can comply as "Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs ( 2 or more HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record up to 2 full motion video inputs in single frame along with audio, Should be supplied with built in or external 1TB storage."	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 70  Page 56/115	WIRELESS ACCESS POINT • IEEE 802.11ac compliant, dual radio (2.4 GHz & 5GHz) concurrent operation • 3X3 Multiple Input / Multiple Output (MIMO) access point • Internal/external antennas for 2.4Ghz & 5GHz operations • One 10/100/1000 Base-Tx auto-sensing (RJ45) PoE port • AP must have two radios (2.4GHz & 5GHz) • Maximum Associated Users: 240 (120 per radio) • Power Supply: via an 802.3at POE switch port or OEM supplied Power Injector • IEEE 802.3 10-BASE-T, IEEE 802.3u 100BASE-TX, 1000BASE-T, IEEE 802.3ab 1000BASE-T • AP must include OEM supplied mounting brackets and accessories for both mounting options such as ceiling or wall	In wireless access point " Associate user ; 240 (120 Per radio) , Practically it is not as per actual requirement. It should be minimum 8 (4 user per radio). Request you to kindly amend this clause.	Kindly read amended specifications as - "Minimum associated user <b>24 (12 per radio)</b> "
	NIT page 102 - SLA Draft	SLA Duration Timings : 24x7	Please explain why is their a need for around the clock engineer.	The required site engineers shall be working at site as per Nalanda University working hours.
	NIT page 102 - SLA Draft	SLA Manpower Requirements and working requirements > Contractor shall deploy suitably qualified and experienced sufficient manpower in shifts to meet out the SLA. Minimum personnel's required to be deployed are as under. o For AV System: Minimum Three - One in each shift. One Network engineer should be available round the clock in 3 shifts. 2 technicians shall also be employed for each shift.	Please explain the need for three no. of manpower required, when by our estimate 1 no. of manpower will be enough for suport.	Kindly refer to row number 261
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel etc	We request that clause should include items like Cable Cubby/ Hydraulic Pop-Up box unit etc.	Kindly read amended specifications as - "Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel, <b>Cable Cubby/Hydraulic Pop-Up box unit</b> etc."
Bidder 12	Enkay India			

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT- Page 38 - Technical Specifications	Schematics and Solutions	Need to understand solution, Hence please share schematics.	NIT condition shall prevail.
	Technical Specifications Item Sr No 1  Page 39/115	SITC of modular configurable type flush mount / table top AV signal aggregation unit for various AV inputs. It should be complete with enclosure, inner frame, power socket and power cord etc. for min. requirement of 1 x HDMI, 1 x Display port, 1 x VGA+ 3.5mm audio, 1 x RJ-45 Ethernet LAN, 1 x 10Amps power outlet.	Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specifications Item Sr No 2  Page 39/115	SITC of 3 I/P Switcher cum Transmitter with Audio embedding; supporting video output on a cable length up to 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; Output: video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support.	Supporting 4K (4:2:0) 10.2 Gbps 100 Mtr 4k Support 180 Mtr 1080p Support  Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specifications Item Sr No 3  Page 39/115	SITC of HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio up to 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. Shall have RS-232 & IR.	Supporting 4K (4:2:0) 10.2 Gbps  Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of HDMI Twisted Pair Extender, Transmits HDMI and control signal up to 230 feet (70 meters) over a shielded CAT6 cable, Output: One CAT6 twisted pair output on RJ-45, Inputs: One HDMI, Supports EDID and HDCP transmission.	Supporting 4K (4:2:0) 10.2 Gbps  Request to add makes Kramer / Atlona	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	SITC of HDMI active transmitter with face/wall plate, 1 x HDMI input & 1 x CAT6 output supporting up to 230 ft. (70 meters), device should support HDCP and EDID transmission.	Supporting 4K (4:2:0) 10.2 Gbps Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of passive HDMI plate.	Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of Wireless Presentation Unit of HD content using laptops, tablets, and smart phones. Compatible with Windows OS X, Apple iOS, and Android, Supports Full HD 1080p display resolutions; shall provide minimum 1 x HDMI output.	If third party app such as Microsoft Office, Skype, Lync, and webex is required than suggested model is VIA Campus (Windows 10 based platform supporting all applications) Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of matrix switcher having minimum six inputs - 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, and 1 x audio output. It shall support resolutions upto 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. Control port for IR, RS-232, Relay & 40W Amplified audio output.	40W amplified audio output. - Additional Amplifiers are in BoQ so not required Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, minimum 2 x HDMI outputs and 1 x audio output; It shall support resolutions up to 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. Control port for IR, RS-232, Relay & 40W Amplified audio output.	40W amplified audio output. - Additional Amplifiers are in BoQ so not required This model has mirrored scaled output on both HDMI port. If Matrix output required than suggested model is VP-732 Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of 1:8 Distribution Amplifier having 1 x HDMI input and minimum 8 x HDMI outputs, shall be EDID and HDCP compliant.	Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of 1:4 Distribution Amplifier having 1 x HDMI input and minimum 4 x HDMI outputs, shall be EDID and HDCP compliant.	Request to add makes Kramer / Atlona	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	SITC of Control Processor, with Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T.	Total 4 nos. RS-232 port available  Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of podium mountable, minimum 8-Button wired control panel for controlling various devices; it shall have - one volume control knob; minimum 1 x RS 232, 2 x Relays and 1 x IR ports, 1 x LAN, to control the devices.	12 button panel with Audio control knob with 3 RS-232port 2 IR emitter port 4 Relay ports  Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of minimum 9" Wireless Touch Screen device for Control (iOS or Android based).	Request to add makes Kramer / Atlona	NIT condition shall prevail.
	Technical Specification and Make List	SITC of Gooseneck Microphone with Cardioid polar pattern with a high gain before feedback, Filter to suppress wind or pop noise Non-glare surface, Connection via 3-pin XLR male connector length of gooseneck microphone 450mm or better Max. SPL 124 dB [SPL @ 1% THD] , Signal-to-noise ratio 64 dB [A, rms] ,Equivalent SPL 30 dB [A, rms]	Equivalent SPL 26 dB A, Max SPL 130 dB, S/N Ratio 68 dB  Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail.
	Technical Specification and Make List	SITC of wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 40Mhz Or better	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication  Request to add makes Audio Technica / Sennheiser	Please refer the tender document where in the classroom requirement is briefly given. If any further information is required conduct a site survey for better understanding of the solution.  No change in OEM name

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	SITC of wireless head worn microphone with True diversity receiver (UHF), 12 Channel Present or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter .Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth Minimum 40mHz Mhz Or better	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication  Request to add makes Audio Technica / Sennheiser	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.  No change in OEM name
	Technical Specification and Make List	SITC of wireless handheld microphone with receiver (UHF), 18 Channel Pre- set or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Cardioids , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter , Receiver dynamic range 80 dB (A-weighted) Or better , switching bandwidth Minimum 40 Mhz Or better.	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication  Request to add makes Audio Technica / Sennheiser	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.  No change in OEM name
	Technical Specification and Make List	UHF antenna divider, 4-way, active, 19" housing, 1 U, for wireless systems with BNC connector, incl. mic. cable set and rack mount brackets. All cables and connectors for wireless system shall be original OEM supplied.	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication  Request to add makes Audio Technica / Sennheiser	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.  No change in OEM name
	Technical Specification and Make List	UHF Passive Omni directional antenna, for wireless microphone system and compatible with wireless microphone frequency range.	Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail.
	Technical Specification and Make List	Antenna Cable 25 m (82 ft.). All cables and connectors for wireless system shall be original OEM supplied.	Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail.
	Technical Specification and Make List	Antenna Combiner (2 inputs / 1 output), to combine the antenna signals and compatible with the wireless microphone system All cables and connectors for wireless system shall be original OEM supplied.	Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	SITC of 12x8 DSP - Digital Matrix Processors, with 12 mic/line inputs and 8 outputs with AEC - Acoustic Echo Cancellation features.	Request to add makes Music Tribe / QSC / AUDAC / XILICA	NIT condition shall prevail.
	Technical Specification and Make List	SITC of 6x4 DSP - Digital Matrix Processors, with 6 mic/line inputs and 4 outputs.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of full-range or 2-way minimum 3" or better ceiling mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 95 Hz - 17 kHz (- 10dB), Power handling@70/100V : 20W or better, Sensitivity : SPL/W@1 Mtr - 86 db or better, Max SPL@1 Mtr - 103dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.	SPL:- 83dB SPL, 1W@1m peak: 98dB  Please do the following changes Freq Response — 60Hz to 20kHz Power Handling — 15W RMS, 40W continuous  Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of full-range, minimum 5" surface/wall mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 60 Hz - 20KHz (-10dB), Power handling@70/100V : 30W or better, Sensitivity : SPL/W@1 Mtr - 90 dB SPL or better, Max SPL@1 Mtr - 110dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.	Freq Response - 80Hz to 20kHz @-10dB SPL :- 89dB 1W @1m peak: 106dB  Please ammend the following: 30W RMS, 80W continuous  Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of full-range 150W or better column type left and right loudspeaker, 8- ohm impedance, frequency response: 80 Hz - 20 KHz, Sensitivity: SPL/W@1 Mtr - 93 dB SPL or better, Max SPL@1 Mtr - 115 dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of Class D Power Amplifier, 4 x 300 W, selectable 4/8 ohms or 70/100V operation, Power @ 70/100V: 300W or better, supporting short circuit, thermal, and under-voltage protection, 1U/2U form factor.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of Dual Channel Class D or Class AB Power Amplifier, 2 x 80 W @ 8 ohms, Comprehensive short circuit, thermal, and under-voltage protection, 1U/2U form factor.	Request to ammend as Dual Channel Class D Power Amplifier, 2 x 120 W  Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	Central control unit should have the following features, the central unit for powering, configuring and Controlling connected Chairman, Delegate units, and option to control up to 100 units without any power supply. The system should have in built digital processing and control/ transmission of the Digital audio signals. It should have basic management facilities with at least 8 open microphones should have recording facility SD Card.	<p>With only 20 - 25 units required per central unit (considering 3 central units for 3 separate rooms), having a feature with control upto 100 units without power supply is an unnecessary and misleading requirement. This point gives unnecessary advantage without affecting tender functionality and is requested to be removed. Also, the device should be completely digital and should have inbuilt equalization, feedback suppression, microphone limiting, and conference modes and recording feature via USB for better performance and efficient usage</p> <p>Request to add makes Audio Technica / Sennheiser</p>	Please refer to the corrigendum
	Technical Specification and Make List	The digital Table Top wired Chairman Unit, should have clear button for deactivating all the microphone headphone connector and headphone volume control, that included detachable gooseneck microphone should be free from interference caused by mobile phones. Include the inbuilt Loudspeaker. It should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button RJ 45 connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better , 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required.	<p>Microphone length is suggested to be kept between 350 - 450 mm as standard size as all OEMs have different form factors. The range asked for is suitable for normal Indian body posture for using microphone in conference room while seated, polarity should be super cardoid / hyper cardoid for better pick up and better noise cancellation / feedback resistance. Detachable microphone is not required as it is a wired unit and will be permanently installed and is again misleading with no effect on functionality. Should have inbuilt twin loudspeaker.</p> <p>Request to add makes Audio Technica / Sennheiser</p>	NIT condition shall prevail.
	Technical Specification and Make List	The digital Table top wired delegate unit, should have headphone connector and headphone volume control, that include detachable gooseneck microphone, should be free from interference caused by mobile phones. Inbuilt Loudspeakers, it should combine several functionalities in one single panel. Must have detachable Gooseneck microphone with GSM immunity and LED ring, Microphone on/off button, RJ45 connectors for separate loop through cabling, Microphone length should not be less than 450 mm or better , 3.5 mm jack socket for headphone, microphone should be programmed to track the camera during video conferencing etc. as required	<p>Microphone length is suggested to be kept between 350 - 450 mm as standard size as all OEMs have different form factors. The range asked for is suitable for normal Indian body posture for using microphone in conference room while seated, polarity should be super cardoid / hyper cardoid for better pick up and better noise cancellation / feedback resistance. Detachable microphone is not required as it is a wired unit and will be permanently installed and is again misleading with no effect on functionality. Should have inbuilt twin loudspeaker.</p> <p>Request to add makes Audio Technica / Sennheiser</p>	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	SITC of USB Extender, Pair of Transmitter and Receiver to transmits and receive the USB signal minimum 230 ft. (70 meters) over a shielded CAT6 cable.	100 mtr support?? Request to add make Kramer	NIT condition shall prevail.
	Technical Specification and Make List	SITC of min. 22 Channel high performance Audio Mixer unit with 16 Mic/Line + 4 Mic/Stereo Line Channels, 4 x AUX, USB-Audio Interface, with integrated digital FX processors and Dual Graphic- EQ's, low noise and low distortion discrete microphone preamps built-in, Group-switch-able +48V phantom power	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of Corded Vocal Microphone , with frequency response 80Hz-16kHz, Cardioid, Super-Cardioid polar pattern or better pattern, sensitivity of min. 2.2mV/Pa or better and min. impedance 600 ohm or better including microphone stand.	Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail.
	Technical Specification and Make List	SITC of 1x12" or better passive loudspeaker, Inclusive of all mounting brackets, assemblies, hardware and standard accessories for portable/outdoor application.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of 1x15" or better passive subwoofer Max. power handling capacity of 1600 Watts with 8 Ohm impedance. Inclusive of all mounting brackets, assemblies, hardware and standard accessories for portable /outdoor application.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.
	Technical Specification and Make List	SITC of Class D Power Amplifier, 2 x 600 W, selectable 8 ohms operation, Power @ 70/100V: 450W or better, supporting short circuit, thermal, and under-voltage protection, 1U/2U form factor.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specification and Make List	Audio Mixer : 4 studio-grade compressors with super-easy "one-knob" functionality and control LED for professional vocal and instrumental sound mixer. Built-in stereo USB/Audio Interface to connect directly to your computer. Premium ultra-low noise, high headroom mixer with 4 state-of-the-art, phantom-powered XENYX Mic Preamps comparable to stand-alone boutique preamps. 3-band EQs for warm and musical sound. 2 aux sends per channel: 1 pre fader for monitoring applications, 1 post fader for external FX devices. Control room/phones outputs with multi-input source matrix.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail
	Technical Specification and Make List	Wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omnidirectional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 20Hz to 20Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 30Mhz Or better.	Need to understand no of classrooms and their locations to determine wireless microphone features for interference free communication. However for interference free communication in mass usage scenario, RF Power should be at least 100mW and should be adjustable to enhance battery life and multi room mode. Freq range upto 1.9 GHz (digital) for interference free communication, should be AES 256 encrypted wireless communication  Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail
	Technical Specification and Make List	Headphone for monitoring of live audio recording.	Request to add makes Audio Technica / Sennheiser	NIT condition shall prevail
	Technical Specification and Make List	2-way active studio monitors ideally suited for computer studios, audio and multimedia workstations and keyboard monitoring Built-in powerful 2 x 20-Watt amplifiers with immense headroom Powerful woofers and high-resolution tweeters provide an ultra-linear frequency response Ultra-high resolution 24-bit/192 kHz D/A converters for an incredible dynamic range Optical and coaxial inputs to directly connect digital audio sources by S/PDIF interface.	Request to add makes Music Tribe / QSC / AUDAC	NIT condition shall prevail
Bidder 13				

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT- Page 7 - Clause 2.i	The similar work means supply & installation & on-site support of all/ most of the IT, audio & video items mentioned in this tender document in a single project on turn-key basis in last seven years in India.	In the interest of healthy competition we humbly request that the clause be read as "The similar work means supply & installation & on-site support of all/ most of the IT, audio & video items mentioned in this tender document in a single project on turn-key basis in last seven years in India & Abroad."	Please refer to the corrigendum
	NIT- Page 7 - Clause 2.i & Page 12- Clause 4.1	The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on previous day of last date of submission of bids. For the above experience, the bidder should enclose the completion certificate duly issued by the end user. The bidder should have completed Audio & video project/s of at least ONE similar job not less than INR 5.10 Crore OR TWO similar job not less than INR 3.82 Crore OR THREE similar works not less than	In the interest of healthy competition we humbly request that the clause be read as "The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven financial years ending on March 2020.	Kindly refer to row number 188
	NIT Page 17- Clause 12.4.D & Page 94	Nalanda University would evaluate the technical bids based on the following Point criteria: The bidders are requested to submit the forms as mentioned/tabulated below Form D	Due to the current pandemic caused by the COVID 19, governmental offices/PSU/autonomous bodies/etc. are currently functioning with minimum staff, as such it will be nigh impossible to arrange for FORM D in the given time frame. We would hence like to humbly request that FORM D be removed from the NIT.	Bidder shall submit the duly signed & stamped installation and commissioning certificate along with the supply order. The copy of purchase order along with installation and commissioning certificate enclosed along with technical bid as an experience of bidder shall be duly notarized. The details of FORM D should be furnished on the letter head of Bidder duly signed & stamped.
	NIT Page 8 - Clause 2.m, Page 22 - Clause 6	Undertaking to the effect that a Performance Bank Guarantee (PBG) of 5% of the order value will be submitted within 15 (fifteen) days of the receipt of Letter of award (LOA) or Supply Order from Nalanda University, Bihar.  Performance Bank Guarantee (PBG): The successful bidder must submit a Performance Bank Guarantee (PBG) of 5% of the order value within 30 days of receipt of supply order by Nalanda University, District Rajgir, Bihar as per the format provided in the tender document. This Bank Guarantee should remain valid Six months beyond the period of delivery, installation & warranty.	There is a discrepancy in between these two clauses from the NIT. Please clarify when is the PBG due after the receiving of LOA/Supply order	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT- PAGE 98-	Form G	Due to the current pandemic caused by the COVID 19, the state of Bihar is in lockdown, it is therefore difficult to travel to the site and conduct a site survey. We would hence like to humbly request that FORM G be removed from the NIT	Bidder may appoint his team / his OEM counter part for the site survey. In case the bidder doesnot submit the undertaking for site survey as per FORM - G, the bidder will be bound to complete the installation at site within the time frame as stipulated in NIT. In the absence of Form G along with technical bid, the bidder will not be disqualified by Nalanda University.
	NIT- Page 39- Technical Specification - 2	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for HDMI video to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission. Video transmission	Please clarify signal distance requires 70 mtr or 100 mtr.	Kindly read Required signal distance as - 100 Mtr
	NIT- Page 40- Technical Specification - 4	HDMI TWISTED PAIR RECEIVER HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio length minimum 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. • The device shall receive HDMI plus control signal up to 330 feet (100 meters) over a shielded twisted pair CAT6 cable • Input: 1 x twisted pair on RJ-45 • Outputs: 1 x HDMI with audio • Shall be able to accept additional RS232 and IR signals over CAT6 cable • Video standards supported: the unit shall be EDID & HDCP compliant	Please clarify signal distance requires 70 mtr or 100 mtr.	Kindly read Required signal distance as - 100 Mtr

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT- Page 40- Technical Specification - 5	HDMI ACTIVE WALL/FACE PLATE HDMI active transmitter wall/face plate, 1 x HDMI input & 1 x CAT6 output supporting length minimum 230 ft. (70 meters) device should support HDCP and EDID transmission. • The device shall transmit HDMI plus control signal up to 100 meters over a twisted pair shielded CAT6 cable • Inputs: 1 x HDMI • Output: 1 x Twisted pair output on RJ-45 • The device shall be capable of transmitting RS232 and IR signals over CAT6 cable • Video standards supported: the unit shall be EDID & HDCP compliant	Please clarify signal distance requires 70 mtr or 100 mtr.	Kindly read Required signal distance as - 100 Mtr
	NIT- Page 65- Technical Specification - 83	Audio Mixer: 4 studio-grade compressors with super-easy "one-knob" functionality and control LED for professional vocal and instrumental sound mixer. Built-in stereo USB/Audio Interface to connect directly to your computer. Premium ultra-low noise, high headroom mixer with 4 state-of-the-art, phantom-powered XENYX Mic Preamps comparable to stand-alone boutique preamps. 3-band EQs for warm and musical sound. 2 aux sends per channel: 1 pre fader for monitoring applications, 1 post fader for external FX devices. Control room/phones outputs with multi-input source matrix.	As part of the specification i.e. "XENYX Mic and super-easy "one-knob" functionality terms" are OEM specific, in the interest of healthy competition we request you to kindly remove this point for more generic specification	"XENYX Mic and super-easy "one-knob" functionality" are optional or as per the OEM. Corrigendum section refers and may be read as optional or as per OEM for only knob facility.
	NIT- Page 50- Technical Specification - 46	20W Ceiling Mount Speaker full-range or 2-way minimum 3" or better ceiling mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 95 Hz - 17 kHz (-10dB), Power handling@70/100V : 20W or better, Sensitivity : SPL/W@1 Mtr - 86 db or better, Max SPL@1 Mtr - 103dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories. • Frequency range (-10dB) : should be between 95 Hz to 17 kHz or better • Power Rating : minimum 20 W or better • Maximum Peak SPL @ 1m : 103dB or better • Drivers: Full range driver or 2-way -	As part of the specification i.e. "Coverage (conical): 130 degrees or higher" are OEM specific, in the interest of healthy competition we request you to kindly amend this point from "130 Degrees " to "120 degrees" for more generic specification	Kindly read amended specifications as - Coverage (conical) minimum 120 degrees or higher.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT- Page 29-Bill of Material 30/31	SITC of 55" and 65" narrow bezel LED Professional Display, 1920 X 1080 Resolution, 16:9 Aspect ratio, min. 2 x HDMI Interfaces, inclusive of all mounting bracket.	We humbly request that the specification be changed to "SITC of 65" narrow bezel LED Professional Display, 4K Resolution, 16:9 Aspect ratio, min. 2 x HDMI Interfaces, inclusive of all mounting bracket."	As per latest display resolution should be 4K
	NIT- DLP SLA Clause- Payment Terms	SLA Manpower Requirements and working requirements: > Contractor shall deploy suitably qualified and experienced sufficient manpower in shifts to meet out the SLA. Minimum personnel's required to be deployed are as under. o For AV System: Minimum Three - One in each shift. One Network engineer should be available round the clock in 3 shifts. 2 technicians shall also be employed for each shift.	Please explain the need for three no. of manpower required and 24x7, when by our estimate 1 no. of manpower will be enough for support.	NIT condition shall prevail.
Bidder 14				
	Technical Specifications Item Sr No 20  Page 44/115 & 45/115	Full HD Video Conferencing System endpoints (codec), capable of multi-party conferencing via the MCU; the codec shall have minimum 2 video inputs (1 x HDMI/HDCI and 1 x HDMI/DVi as per OEM's camera), minimum 2 x HDMI video outputs, output resolution supported shall be minimum up to 1920 x 1080p at 60fps. Audio Inputs - 1 x Digital Microphone pod, 1 x RCA Stereo; Audio Outputs - 1 x HDMI embedded, 1 x Stereo, 1 x RCA. The device shall be supplied with required licenses. All components of the VC system like Codec, Camera, Touch panel and Microphones should be from the same OEM. The system shall be inclusive of - 1 x Codec, minimum 1 x Full HD 1080 x 1080 resolution supported	<ul style="list-style-type: none"> <li>• 1 x HDMI embedded, 1 x Stereo, 1 x RCA. It should be 1 x HDMI embedded, 1 x Stereo\1 x RCA.</li> <li>• VC System should support at least 4 mics. Justification : If the VC room is big customer has option to provide separate mic to a group of participants.</li> <li>• VC System should support ceiling mic as well as table mic from same OEM. Justification : With ceiling mic installed customer doesn't have to pass the mic to the next speaker. Person seating at any corner of the room can be heard over VC at far end.</li> <li>• VC System should have an option to future upgrade to dual camera/two camera system with both cameras of minimum 10X Optical Zoom to provide automatic voice and speaker framing of the active speaker in the room with a range up to 32 feet. It should be possible to send both active speaker in zoomed mode and room view in PIP to far side location during a VC call in a single stream. Justification : With Active Speaker tracking camera enduser can have a hassle free video conference. Without bothering about camera frame enduser can fully concentrate in the conversation. Camera will automatically track the active speaker in the room &amp; will also cover the others present in the room.</li> </ul>	NIT condition shall prevail.
	Technical Specifications Item Sr No 8  Page 41/115	Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & 40W amplified audio output.	Other ports : minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay Justification : Amplifier has already been asked separately in the BOQ and hence it is not required.	Please refer to the corrigendum
	Technical Specifications Item Sr No 9  Page 41/115	Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & 40 amplified audio output.	Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay Justification : Amplifier has already been asked separately in the BOQ and hence it is not required.	Please refer to the corrigendum
	Page 6	Tender Fee in the form of Demand Draft	Considering the Pandemic & disruptive services, we request your to accept on-line payment & provide relevant details.	NIT condition shall prevail

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Page 6	Earnest Money Deposit in the form of Demand Draft / FDR / Bank Guarantee	Considering the Pandemic & disruptive services, we request your to accept on-line payment & provide relevant details.	NIT condition shall prevail
Bidder 15				
	NIT Page 7 - Clause 2.f	The bidder shall furnish a SOLVENCY CERTIFICATE of value not less than INR. 2.55 Crores certified by his bankers. Such certificate shall not be of a date, which is more than six months prior to the date of submission of tender.	Leading Edge Communication Pvt Ltd request you to kindly consider - Certificate from Bank confirming Financial Capability / Credit Facility of bidder although in this difficult time it is difficult too get the same issued against any tender since all banks are working with less manpower and restricted activities. It will be good if the requirement of Solvency Certificate can be removed since Nalanda University in its tender have already asked for Profit Loss & Balance Sheets for the financial year ending upto 31st March 2019.	Please refer to the corrigendum
	NIT Page 7 - Clause 2.i	The similar work means supply & installation & on-site support of all/ most of the IT, audio & video items mentioned in this tender document in a single project on turn-key basis in last seven years in India.	Leading Edge Communication Pvt Ltd here by are request to kindly allow to read the clause as - The similar work means supply & installation & on-site support of all/ most of the IT, audio & video items mentioned in this tender document in a single project on turn-key basis in last seven years <b>in India/abroad against the Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body).</b>	Please refer to the corrigendum
	NIT- Page 11- Clause 2	Designer & Architect Consultants - VSC or the Consultants, appointed by NU as Architect Consultants.	In an open tenders the name of Designer & Architect consultant as mentioned in tender document is a violation of tendering norms as it leads to any bidder in approaching and motivating the bid through consultants. <b>It is requested that any further engagement/participation in terms of bid evaluations, of this Designer &amp; Architect consultant should be barred hereafter till the complete project is over.</b>	NIT condition shall prevail. All procedures are followed as per Standard CPWD tendering guidelines.
	NIT Page-12- Clause 4.2	The bidder should have minimum average turnover of INR 3.20 Crores during the immediate last three consecutive financial years. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available <b>last five consecutive balance sheet, duly audited</b> and certified by the Chartered Accountant. The bidder(s) are required to submit at least the audited profit and loss statement sheet duly certified by the Chartered Accountant.	Leading Edge Communication Pvt Ltd here by (refer previous NIT clause No. 2.e on the page no.7 & the clause referred here in) wish to submit that there is inconsistency in between the two clauses.  Since it seems to be typo error it is requested to kindly allow to read the clause as - The bidder should have minimum average turnover of INR 3.20 Crores during the last three financial years ending as on 31/03/2019. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last <b>three years</b> ending as on 31/03/2019. The copy of balance sheet, profit and loss statement sheet duly certified by the Chartered Accountant for last three financial years ending on 31/03/2019 to be enclosed in technical bid.	Kindly refer to Row Number 188



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page-12- Clause 4.1	<p>The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on previous day of last date of submission of bids.</p> <p>For the above experience, the bidder should enclose the completion certificate duly issued by the end user. The bidder should have completed Audio &amp; video project/s of at least ONE similar job not less than INR 5.10 Crore OR TWO similar job not less than INR 3.82 Crore OR THREE similar works not less than</p>	<p>Leading Edge Communication Pvt Ltd here by request to kindly allow to read the clause as - The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/ Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on date of release of tender / 31st March 2020.</p>	<p>Kindly refer to Row Number 188</p>
	NIT Page 17&19-Clasue 12.4 D and Form D	<p>Nalanda University would evaluate the technical bids based on the following Point criteria: The bidders are requested to submit the forms as mentioned/tabulated below Form D</p>	<p>Leading Edge Communication Pvt Ltd here by would like to submit that It would be very difficult to arrange completion certificate in the format of 'FORM D' from various Governmental Departments/Insitutes since there is a world wide COVID 19 situation prevailing. Hence competent authority of Nalanda Unviersity is requested to kindly accept the compeltion issued by various departments / institutes against the order copies enclosed by us at the time of bidding.</p>	<p>Bidder shall submit the duly signed &amp; stamped installation and commitioning certificate along with the supply order. The copy of purchase order along with installation and commisioning certificate enclosed along with technical bid as an experience of bidder shall be duly notarized. The details of FORM D should be furnished on the letter head of Bidder duly signed &amp; stamped.</p>
	NIT Page 8& 22 Clasue 2.m & 6	<p>Undertaking to the effect that a Performance Bank Guarantee (PBG) of 5% of the order value will be submitted within <b>15 (fifteen) days</b> of the receipt of Letter of award (LOA) or Supply Order from Nalanda University, Bihar. /</p> <p>Performance Bank Guarantee (PBG): The successful bidder must submit a Performance Bank Guarantee (PBG) of 5% of the order value within <b>30 days</b> of receipt of supply order by Nalanda University, District Rajgir, Bihar as per the format provided in the tender document. This Bank Guarantee should remain valid Six months beyond the period of delivery, installation &amp; warranty.</p>	<p>Leading Edge Communication Pvt Ltd here by request to kindly confirm the correct time frame to submit the 10% Peformance Bank Guarantee after the reciept of Supply Order considering the current COVID 19 situation. From our end we request to allow minimum 30 days for the PBG submission.</p>	<p>Please refer to the corrigendum</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page 98	Form G - Undertaking for Site Survey	Leading Edge Communication Pvt Ltd here by would like to submit that it would be very difficult to conduct a site survey due to the current COVID 19 situation. Hence we request to delete the requirement as per 'FORM G' and accept the site survey requirements with L1 Bidder after the award of tender as the scope of supply is already being freezed by Nalanda University..	Bidder may appoint his team / his OEM counter part for the site survey. In case the bidder doesnot submit the undertaking for site survey as per FORM - G, the bidder will be bound to complete the installation at site with in the time frame as stipulated in NIT. In the absence of Form G along with technical bid, the bidder will not disqualified by Nalanda University.
		<p>Terms of payment: The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein;</p> <p>(i) 80% after initial inspection and delivery at site in good condition on prorata basis.</p> <p>(ii) 10% after completion of installation in all respect,</p> <p>(iii) Balance 10% will be paid after testing, commissioning, trial run and handing over to the department for beneficial use including fire inspection.</p> <p>Note: (a) Rates The rates quoted by the tenderer shall be firm and inclusive of all taxes, duties, levies and all charges for packing, forwarding, insurance, freight</p>	<p>Leading Edge Communication Pvt Ltd here by request in ammendment in percentage of payment as following keeping current pandemic situation leading site readiness &amp; other issues in mind:-</p> <p>(1). Nalanda University, District Rajgir, Bihar shall release 80% of the payment on pro rata basis on delivery of the tendered items at Nalanda University and certification by the competent authoiry of Nalanda University, Rajgir, Bihar within 30 days;</p> <p>(2) Payment of 15 % of the purchase order value will be made within 30 days after the successful installation and commissioning of the tendered items on certification by the competent authority at Nalanda University at Rajgir, Bihar.</p> <p>In case the site is not ready or the current pandemic situation continues in that case the balance 15% payment due against installation &amp; commissioning shall be paid by Nalanda University against the submission of an understaking on legal document binding the successful vendor to complete the work to resume the installation &amp; commissioning activities as per Government of India / State Government SOP guidelines.</p> <p>(3) Balance 5% shall be released after the Installation and commissiong &amp; against the submission of 5% Performace Bank Guarantee(PBG) valid for 2 years or in case of non submission of PBG Security Deposit will be deducted from each bill @ 2.5% of the certified value by the Nalanda University and the same shall be released after expiry of 2 years warranty period</p> <p>Note: Annual Maintenance Contract (On site support) shall begin after 2 years warranty.</p>	NIT condition shall prevail
	Technical Specifications Item Sr No 2 Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for HDMI video to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission. Video transmission:	Output signal should be on a single CAT 6 shielded twisted pair cable. Please remove HDMI Output.	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 15  Page 43/115	Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs ( HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 4 full motion video inputs in single frame alongwith audio, Should have minimum 1TB inbuilt storage.	We have approached leading OEMs and it has been informed that this is OEM specific, hence we request that the clause be changed to "Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs (2 or more HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 2 full motion video inputs in single frame alongwith audio, Should be supplied with built in or external 1TB storage."	Please refer to the corrigendum
	Technical Specifications Item Sr No 83  Page 65/115	Audio Mixer: 4 studio-grade compressors with super-easy "one-knob" functionality and control LED for professional vocal and instrumental sound mixer. Built-in stereo USB/Audio Interface to connect directly to your computer. Premium ultra-low noise, high headroom mixer with 4 state-of-the-art, phantom-powered XENYX Mic Preamps comparable to stand-alone boutique preamps. 3-band EQs for warm and musical sound. 2 aux sends per channel: 1 pre fader for monitoring applications, 1 post fader for external FX devices. Control room/phones outputs with multi-input source matrix.	We have approached leading OEMs and it has been informed that - XENYX Mic and super-easy "one-knob" functionality terms are OEM specific. Hence we request you to kindly remove this point to make this specification as more generic & allow healthy competition among the approved make	"XENYX Mic and super-easy "one-knob" functionality" are optional or as per the OEM. Corrigendum section refers and may be read as optional or as per OEM for only knob facility.
	Technical Specifications Item Sr No 50  Page 46/115	20W Ceiling Mount Speaker full-range or 2-way minimum 3" or better ceiling mount loudspeaker, 4/8 ohms or 70V/100V operation, Frequency Response - 95 Hz - 17 kHz (-10dB), Power handling@70/100V : 20W or better, Sensitivity : SPL/W@1 Mtr - 86 db or better, Max SPL@1 Mtr - 103dB or better and inclusive of all mounting brackets, assemblies, hardware and standard accessories. <ul style="list-style-type: none"> <li>• Frequency range (-10dB) : should be between 95 Hz to 17 kHz or better</li> <li>• Power Rating : minimum 20 W or better</li> <li>• Maximum Peak SPL @ 1m : 103dB or better</li> <li>• Drivers: Full range driver or 2-way - minimum 1 x 2" LF Driver &amp; minimum 1 x</li> </ul>	In order to maximise the participation you are requested to amend the specification to be read as - • Coverage (conical): Minimum <b>100</b> degrees or higher	Kindly read amended specifications as - Coverage (conical) minimum 120 degrees or higher.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 70  Page 56/115	WIRELESS ACCESS POINT • IEEE 802.11ac compliant, dual radio (2.4 GHz & 5GHz) concurrent operation • 3X3 Multiple Input / Multiple Output (MIMO) access point • Internal/external antennas for 2.4Ghz & 5GHz operations • One 10/100/1000 Base-Tx auto-sensing (RJ45) PoE port • AP must have two radios (2.4GHz & 5GHz) • Maximum Associated Users: 240 (120 per radio) • Power Supply: via an 802.3at POE switch port or OEM supplied Power Injector • IEEE 802.3 10-BASE-T, IEEE 802.3u 100BASE-TX, 1000BASE-T, IEEE 802.3ab 1000BASE-T • AP must include OEM supplied mounting brackets and accessories for both mounting options such as ceiling or wall	In order to maximise the participation you are requested to amend the specification to be read as • Minimum associated Users: 24 (12 per radio) as per Industry standard	Kindly read amended specifications as - "Minimum associated user <b>24 (12 per radio)</b> "
Bidder 16				
	NIT Page 7 - Clause 2.f	The bidder shall furnish a SOLVENCY CERTIFICATE of value not less than INR. 2.55 Crores certified by his bankers. Such certificate shall not be of a date, which is more than six months prior to the date of submission of tender	Since Nalanda University have asked for Auditor / CA/CS Certificate indicating the average turnover of INR 3.20 Crores. We request you to kindly delete the requirement of Solvency Certificate as it may restrict us from participation as Banks in this COVID19 situation are taking time to issue such kind of Certificates for bid participation by various bidders.	Please refer to the corrigendum
	NIT Page-12- Clause 4.2	The bidder should have minimum average turnover of INR 3.20 Crores during the immediate last three consecutive financial years. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed.  The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the Chartered Accountant. The bidder(s) are required to submit at least the audited profit and loss statement sheet duly certified by the Chartered Accountant.	With there being discrepancy between clauses 1) 2.e on page 7 2) 4.2 on page 12 We request you to consider three years instead of five years.	NIT Conditions will prevail

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page-12- Clause 4.1	<p>The copy of Supply Orders/ Contracts/Agreements issued by/ signed with Government of India (Ministry/Department/ Undertaking/ PSU/Educational Institutions such as IIT's, NIT's, or other such Central Universities/Autonomous Government Body) for similar works value as mentioned below herein executed by the bidders in last Seven years ending as on previous day of last date of submission of bids.</p> <p>For the above experience, the bidder should enclose the completion certificate duly issued by the end user. The bidder should have completed Audio &amp; video project/s of at least ONE similar job not less than INR 5.10 Crores</p>	We ask that you allow the similar works to be submitted to be allowed for the last 8 years.	Kindly refer to Row number 188
	NIT Page 17/115	Form D	Taking into account the current scenario, where governmental bodies are working while being understaffed, please remove "Form D" from the RFP	Bidder shall submit the duly signed & stamped installation and commissioning certificate along with the supply order. The copy of purchase order along with installation and commissioning certificate enclosed along with technical bid as an experience of bidder shall be duly notarized. The details of FORM D should be furnished on the letter head of Bidder duly signed & stamped.
	NIT Page 8/115	Undertaking to the effect that a Performance Bank Guarantee (PBG) of 5% of the order value will be submitted within 15 (fifteen) days of the receipt of Letter of award (LOA) or Supply Order from Nalanda University, Bihar.	Kindly consider the submission of PBG in 30 days from day of LOA/Supply order	Please refer to the corrigendum
	NIT Page 98/115	Form G	Taking into account the current situation a site survey will be very difficult to perform, as such we request that "Form G" should be removed from the RFP	Bidder may appoint his team / his OEM counter part for the site survey. In case the bidder doesnot submit the undertaking for site survey as per FORM - G, the bidder will be bound to complete the installation at site with in the time frame as stipulated in NIT. In the absence of Form G along with technical bid, the bidder will not be disqualified by Nalanda University.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45	Since the specs mentioned does not comply with all approved makes hence needs to be modified to make it generic and comply other makes as "3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length 330 ft. (100 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for HDMI video to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission • Video transmission: shall support video transmission over CAT6 up to (100 mtr) • Other ports: minimum 1 x RJ-45 based Ethernet port supporting TCP/IP at minimum 100Mbps or 1 x RS232 or 1 x USB port for control • Video standards supported: the unit shall be EDID & HDCP compliant	Please refer to the corrigendum
	Technical Specifications Item Sr No 3  Page 39/115	HDMI TWISTED PAIR RECEIVER  HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio length minimum 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. • The device shall receive HDMI plus control signal up to 330 feet (100 meters) over a shielded twisted pair CAT6 cable • Input: 1 x twisted pair on RJ-45 • Outputs: 1 x HDMI with audio • Shall be able to accept additional RS232	Signal transmission should be 100 mtr, kindly clarify signal distance requires 70 mtr or 100 mtr.	Kindly read Required signal distance as - 100 Mtr
	Technical Specifications Item Sr No 5  Page 40/115	HDMI ACTIVE WALL/FACE PLATE HDMI active transmitter wall/face plate, 1 x HDMI input & 1 x CAT6 output supporting length minimum 230 ft. (70 meters) device should support HDCP and EDID transmission. • The device shall transmit HDMI plus control signal up to 100 meters over a twisted pair shielded CAT6 cable.	Signal transmission should be 100 mtr, kindly clarify signal distance requires 70 mtr or 100 mtr.	Kindly read Required signal distance as - 100 Mtr

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER –  Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, 1 x audio output.  It shall support resolutions upto 1920 x 1200.  It shall support auto selection of inputs and the device shall be EDID and HDCP compliant.  • Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable.	In order to make specifications more generic, please modify to  "HDMI MATRIX SWITCHER  Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 2 x CAT6, 1 x audio output.  It shall support resolutions upto 1920 x 1200.  It shall support auto selection of inputs and the device shall be EDID and HDCP compliant.  • Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 330 ft. (100 meters) over a shielded twisted pair CAT6 cable. • Output signals requirements: minimum 2 x HDMI plus minimum 2 x CAT6 output for transmitting video over length minimum 300 ft. (100 meters) over a shielded twisted pair CAT6 cable • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & minimum 40W amplified audio output.	Please refer to the corrigendum
	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER –  Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio  Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs;  It shall support resolutions up to 1920 x 1200.  It shall support auto selection of inputs and the device shall be EDID and HDCP compliant.  • Input signals requirements: minimum 4 x	In order to make specifications more generic, please modify to  "HDMI MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio  matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs;  It shall support resolutions up to 1920 x 1200.  It shall support auto selection of inputs and the device shall be EDID and HDCP compliant.  • Input signals requirements: minimum 4 x HDMI plus minimum 2 x VGA + Audio. • Output signals requirements: minimum 2 x HDMI • Other ports: minimum 1 x RJ-45 based Fast Ethernet port supporting TCP/IP at 10/100Mbps or 1 x RS232 or, 1 x IR port for control port for Relay & minimum 40 amplified audio output. • Video standards supported: the unit shall be EDID & HDCP compliant • Resolutions supported – minimum up to 1920 x 1200	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 12  Page 41/115	<b>CONTROL PROCESSOR</b>  Control Processor, with minimum ports as follows:  Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T.  Control Processor shall have:  • At least two bidirectional RS-232 serial ports.	In order to make specifications more generic for greater participation, please modify specification to  "CONTROL PROCESSOR  Control Processor, with minimum ports as follows:  Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, atleast 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T.  Control Processor shall have:  • At least two bidirectional RS-232 serial ports. • At least one bidirectional RS-232/RS-422/RS-485 serial port. • At least four IR/Serial ports for one-way control of external devices. • At least four Digital I/O ports. • At least four relays for controlling room functions. • At least Ethernet port supporting 10/100/1000Mbps for monitoring and control.	NIT condition shall prevail
	NIT Page 21/115	<b>Note: Note:</b> (a) Rates The rates quoted by the tenderer shall be firm and inclusive of all taxes, duties, levies and all charges for packing, forwarding, insurance, freight, delivery, installation, testing and commissioning etc. at site including temporary construction of storage, risks, overhead charges, general liabilities/obligations and clearance from local bodies and State Fire Services, as applicable. However, the fee for these inspections shall be borne by the department. (b) Storage and Custody of Material Watch and ward of the stores and their safe custody shall be the responsibility of contractor till the final taking over of the installation by the department.	Dear sir request you to please provide storage and their safe custody till the final completion and handover of the project. After successful delivery of material in Nalanda university campus storage and safety should be in owner / NU responsibility. bidder shall be responsible till the safe delivery in Nalanda university.	NIT condition shall prevail
Bidder 17				
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	SITC of modular configurable type flush mount / table top AV signal aggregation unit for various AV inputs. It should be complete with enclosure, inner frame, power socket and power cord etc. for min. requirement of 1 x HDMI, 1 x Display port, 1 x VGA+ 3.5mm audio, 1 x RJ-45 Ethernet LAN, 1 x 10Amps power outlet. Certificates to be enclosed along with Catalogue.	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona	NIT condition shall prevail.



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING: Should supporting video output on a cable length minimum 230 ft. (70 meters) on CAT6; Input: 2 x HDMI / Display port, 1 x VGA + Audio 3.5mm; output: 1 x HDMI, video output shall be on a single CAT6 shielded twisted pair cable; Auto switching between inputs; the device shall be HDCP compliant and with EDID support. • Input signals requirements: Minimum 2 x HDMI / Display port, 1 x VGA on + 1 x unbalanced analog audio on 3.5mm connector. • Output signals requirements: 1 x RJ-45 connector for HDMI video to be transmitted over CAT6 based shielded twisted pairs cable conforming EIA/TIA568 compliant transmission. • Video transmission:</p>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI TWISTED PAIR RECEIVER HDMI Twisted Pair Receiver, for receiving HDMI, control and analog audio length minimum 230 ft. (70 meters) over a shielded CAT6 cable; Input: One CAT6 twisted pair input on RJ-45; Outputs: One HDMI and one Audio; the device shall be HDCP compliant and with EDID support. • The device shall receive HDMI plus control signal up to 330 feet (100 meters) over a shielded twisted pair CAT6 cable • Input: 1 x twisted pair on RJ-45 • Outputs: 1 x HDMI with audio • Shall be able to accept additional RS232 and IR signals over CAT6 cable • Video standards supported: the unit shall be EDID &amp; HDCP compliant</p>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>SITC of HDMI Twisted Pair Extender, Transmits HDMI and control signal up to 230 feet (70 meters) over a shielded CAT6 cable, Output: One CAT6 twisted pair output on RJ-45, Inputs: One HDMI, Supports EDID and HDCP transmission.</p> <ul style="list-style-type: none"> <li>• The device shall transmit HDMI plus control signal up to (70 meters) over a shielded twisted pair CAT6 cable</li> <li>• Inputs: 1 x HDMI</li> <li>• Output: 1 x twisted pair output on RJ-45</li> <li>• The device shall be capable of transmitting RS232 and IR signals over CAT6 cable</li> <li>• Video standards supported: the unit shall be EDID &amp; HDCP compliant</li> </ul>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI ACTIVE WALL/FACE PLATE</p> <p>HDMI active transmitter wall/face plate, 1 x HDMI input &amp; 1 x CAT6 output supporting length minimum 230 ft. (70 meters) device should support HDCP and EDID transmission. • The device shall transmit HDMI plus control signal up to 100 meters over a twisted pair shielded CAT6 cable • Inputs: 1 x HDMI • Output: 1 x Twisted pair output on RJ-45 • The device shall be capable of transmitting RS232 and IR signals over CAT6 cable • Video standards supported: the unit shall be EDID &amp; HDCP compliant</p>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI PASSIVE WALL PLATE</p>	<p>Aproved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	USB WIRELESS PRESENTOR SYSTEM Wireless Presentation Unit of HD content using laptops, tablets, and smartphones. Compatible with Windows OS X, Apple iOS, and Android, Supports Full HD 1080p display resolutions; shall provide minimum 1 x HDMI output. 2 Nos of USB dongle required with device. <ul style="list-style-type: none"> <li>• Wireless connection for up to 64 devices</li> <li>• Should support collaboration features</li> <li>• Should support Web Browsers such as Internet Explorer, Mozilla and Chrome</li> <li>• Should support third party app such as Microsoft Office, Skype, Lync, and webex.</li> <li>• Simultaneous content display :- 4 user or higher</li> </ul>	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	HDMI SCALAR CUM MATRIX SWITCHER –  Minimum 6 video inputs: 4 x HDMI and 2 x CAT6, and minimum three video outputs - 2 x HDMI and 1 x CAT6, 1 x audio output. It shall support resolutions upto 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant. <ul style="list-style-type: none"> <li>• Input signals requirements: minimum 4 x HDMI plus minimum 2 x CAT6 inputs for accepting video over length minimum 230 ft. (70 meters) over a shielded twisted pair CAT6 cable.</li> <li>• Output signals requirements: minimum 2 x HDMI plus minimum 1 x CAT6 output for transmitting video over length minimum 230</li> </ul>	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>HDMI SCALAR PLUS MATRIX SWITCHER – Minimum</p> <p>6 video inputs, outputs - minimum 2 x video and 1 x audio</p> <p>Scalar cum matrix switcher having minimum six inputs - 4 x HDMI and 2 x VGA + Audio, and minimum 2 x HDMI outputs; It shall support resolutions up to 1920 x 1200. It shall support auto selection of inputs and the device shall be EDID and HDCP compliant.</p> <ul style="list-style-type: none"> <li>• Input signals requirements: minimum 4 x HDMI plus minimum 2 x VGA + Audio.</li> <li>• Output signals requirements: minimum 2 x HDMI</li> </ul>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>1 x 8 HDMI DISTRIBUTION AMPLIFIER</p> <p>1:8 Distribution Amplifier having 1 x HDMI input and minimum 8 x HDMI outputs, shall be EDID and HDCP compliant.</p> <ul style="list-style-type: none"> <li>• Input signals requirements : minimum 1 x HDMI</li> <li>• Output signals Requirements: minimum 8 x HDMI</li> <li>• Video standards supported: the unit shall be EDID &amp; HDCP compliant .</li> </ul> <p>Approved Make: Crestron/Extron/AMX/Lightware</p>	<p>Approved Make List: Crestron/Extron/AMX/Lightware</p> <p>Request to be amended as:</p> <p>Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>1 x 4 HDMI DISTRIBUTION AMPLIFIER</p> <p>1:4 Distribution Amplifier having 1 x HDMI input and minimum 4 x HDMI outputs, shall be EDID and HDCP compliant.</p> <ul style="list-style-type: none"> <li>• Input signals requirements: minimum 1 x HDMI</li> <li>• Output signals requirements: minimum 4 x HDMI</li> <li>• Video standards supported: the unit shall be EDID &amp; HDCP compliant.</li> </ul>	<p>Approved Make - Not Specified</p> <p>Request to be amended as:</p> <p>Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona</p>	<p>NIT condition shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	CONTROL PROCESSOR  Control Processor, with minimum ports as follows:  Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T.  Control Processor shall have:  • At least two bidirectional RS-232 serial ports	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	WIRED CONTROL PANEL  Podium mountable, minimum 8-Button wired control panel for controlling various devices; it shall have - one volume control knob; minimum 1 x RS 232, 2 x Relays and 1 x IR ports, 1 x LAN, to control the devices. A wired button control panel shall be provided for control of devices - minimum 8 buttons or more, with required no. of RS232, IR and RJ-45 based Ethernet IP Ports to control up to 1 projectors, 1 screens, 1 - 6x2 switcher, 1 annotation processor, 1 video recording device, 1 – 3 Input transmitter + receiver for (input switcher) and audio system. DSP or	Approved Make - Not Specified  Request to be amended as:  Kindly amend Approved Make: Crestron/Extron/AMX/Lightware/Atlona	NIT condition shall prevail.
Bidder 18	Sony India Pvt Ltd			
	Technical Specifications Item Sr No 17  Page 43/115	SITC of Full HD/1080p, PTZ Camera for presenter capturing having: Minimum 20 x optical zoom, minimum 60 presets. Minimum output- 1 x HDMI or HD-SDI or OEM specific output, 1 x RS- 232/422 for control. However, if supported output format is other than HDMI, same shall be converted to HDMI using suitable interface unit or cable convertor.	In PTZ camera please add below highlighted points, new 4K technology is available in PTZ camera so better to buy new technology with Same price.  4K upgradable* FHD PTZ camera with 20xOptical zoom + 2x clear zoom, HDMI,3G-SDI & LAN out with audio, desktop & Ceiling mount. datasheet attached.	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 79  Page 63/115	Full HD (1920x1080) PTZ Camera for capturing the Presenter and professor, Optical Zoom 20X , min 100 Presets, 60 Frames per Second, Ethernet Out, HDMI Out, 3G-SDI Out, Audio In, RS232/422/Ethernet Controls, -170° ~ +170° Panning angle, -30° ~ +90° Tilting angle	In PTZ camera please add below highlighted points, new 4K technology is available in PTZ camera so better to buy new technology with Same price.  4K upgradable* FHD PTZ camera with 20xOptical zoom + 2x clear zoom, HDMI,3G-SDI & LAN out with audio, desktop & Ceiling mount. datasheet attached.	NIT condition shall prevail.
	Technical Specifications Item Sr No 25  Page 47/115	6500 LUMENS PROJECTOR	Also in 6500lm Laser Projector SONY brand is not mention so request to you please give us similar opportunity, we have 6500lm Laser projector, datasheet attached.	
Bidder 19	No queries			
Bidder 20	Godrej & Boyce			
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Gooseneck Microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless Lapel microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 34  Page 48/115	Wireless Lapel microphone,  SITC of wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Body pack Transmitter . Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 40Mhz Or better	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless head worn microphone	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.
	Technical Specifications Item Sr No 35  Page 49/115	SITC of wireless head worn microphone with True diversity receiver (UHF), 12 Channel Present or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Omni directional/Super Cardioid, Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter .Receiver dynamic range 80 dB (A-weighted) Or better, switching bandwidth Minimum 40mHz Mhz Or better	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	Wireless Handheld microphone	<p>Request to amend List of Approved makes from:</p> <p>Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica</p>	NIT condition shall prevail.
	<p>Technical Specifications Item Sr No 36</p> <p>Page 49/115</p>	<p>SITC of wireless handheld microphone with receiver (UHF), 18 Channel Pre-set or better , Display on Transmitter and Receiver , RF Power output 50mW or Better , Polar Pattern :- Cardioids , Carrier frequency range 500Mhz to 865Mhz , Frequency response 45Hz to 15Khz , Mute Button on Transmitter , Battery Operation time Minimum 8hr , Should have Charging Contact in Transmitter , Receiver dynamic range 80 dB (A-weighted) Or better , switching bandwidth Minimum 40 Mhz Or better.</p>	<p>Request to amend to:</p> <p>1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz</p>	NIT condition shall prevail.
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	UHF antenna divider	<p>Request to amend List of Approved makes from:</p> <p>Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica</p>	NIT condition shall prevail.
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	UHF Passive Omni directional antenna	<p>Request to amend List of Approved makes from:</p> <p>Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica</p>	NIT condition shall prevail.



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Antenna Cable 25 m (82 ft.)	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Antenna Combiner	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	CORDED VOCAL MICROPHONE	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Wireless Lapel microphone,	Request to amend List of Approved makes from:  Beyerdynamic / Electrovoice / Sennheiser to Beyerdynamic / Electrovoice / Sennheiser/Audio Technica	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 84  Page 65/115	Wireless Lapel microphone,  Wireless Lapel microphone, with receiver (UHF), 18 Channel Preset or better, Display on Transmitter and Receiver, RF Power output 50mW or Better, Polar Pattern :- Omnidirectional, Carrier frequency range 500Mhz to 865Mhz, Frequency response 20Hz to 20Khz, Mute Button on Transmitter, Battery Operation time Minimum 8hr, Should have Charging Contact in Body pack Transmitter. Receiver dynamic range 80dB (A-weighted) switching bandwidth Minimum 30Mhz Or better.	Request to amend to:  1) RF power" min 30mW or better 2) Total Cahannel Preset: min25 or more on overall frequency band 3) Frequency Response: 100Hz - 15kHz	NIT condition shall prevail.
	Technical Specifications Item Sr No 46  Page 50/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	20W Ceiling Mount Speaker	1) Same value of SPL: 103dB- mentioned for RMS & Peak. Request to amend as below: Max SPL @1Mtr: 103dB or better Maximum Peak SPL @1m: 109dB or better 2) Request to make the conical angle generic as 90degree which will be supported by approved OEM through out the Frequency range. 3) Request to kindly approve MUSIC TRIBE as a BRAND. MUISC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT condition shall prevail.
	Technical Specifications Item Sr No 47  Page 51/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	30W Surface/Wall Mount Speaker	1) Same value of SPL: 110dB- mentioned for RMS & Peak. Request to amend as below: Max SPL @1Mtr: 105dB or better Maximum Peak SPL @1m: 110dB or better 2) Kindly amend the sensitivity value to 88dB to make each approved OEM on same platform and participate. 3) Request to kindly approve MUSIC TRIBE as a BRAND. MUISC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 48  Page 51/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	150W Column Loudspeaker	Specification are as per JBL Brand only. Request to amend as below: 1) Frequency Range(-10dB): 120Hz-16kHz 2) Sensitivity1w@1mtr: 87dB 3) Max SPL@1m: 112dB 4) Peak SPL@1m: 118dB 4) Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC,EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/JBL/Music Tribe.	NIT condition shall prevail.
	Technical Specifications Item Sr No 73  Page 57/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	1x12" OR BETTER PASSIVE LOUDSPEAKER	Specification are as per JBL Brand only. Request to amend as below: 1) Frequency Range(-10dB): 50Hz-18kHz 2) Frequency Response(-3dB): 55Hz-18kHz 3) Coverage Pattern: H x 70-90degree, V x 40-60degree 4) Power Handling: Passive 400W. No need to define the Bi-amp. as the amplifier considered for Passive Mode only. 5) Sensitivity1w@1mtr: 95dB 6) Max Peak SPL@1m: 128dB 7) Multiple Rigging M10,M8 point for Ceiling Hung 8) Birch Plywood Enclosure 9) Request to remove parameter which are specific to JBL Make. 10) Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 4) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT condition shall prevail.
	Technical Specifications Item Sr No 74  Page 57/115  LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	1x15" OR BETTER PASSIVE SUBWOOFER	Specification are as per JBL Brand only. Request to amend as below: 1) Driver Size; 2 x 12" OR 1 x 18" 2) Peak Power Handling: 2200W. 3) Max Peak SPL@1m: 129dB. With this SPL Subwoofer will not be underpower with respect to the speaker specification. 4) Birch Plywood Enclosure 5) Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. 6) Kindly amend Bose/Electrovoice/JBL/MusicTribe.	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	2-way active studio monitors ideally suited for computer studios, audio and multimedia workstations and keyboard monitoring Builtin powerful 2 x 20-Watt amplifiers with immense headroom Powerful woofers and highresolution tweeters provide an ultralinear frequency response Ultra-high resolution 24bit/192kHz D/A converters for an incredible dynamic range Optical and coaxial inputs to directly connect digital audio sources by S/PDIF interface.	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent worldrecognized brands such as TANNOY, LABGRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Electrovoice/JBL/MusicTribe.	Please refer to the corrigendum
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Four Channel Power Amplifier 4 x 300 W - Bose / Dynacord / Crown	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world- recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Dynacord/Crown/Music Tribe.	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Dual Channel Power Amplifier 2 x 80 W - Bose / Dynacord / Crown	Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world- recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Dynacord/Crown/Music Tribe.	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	<p>Technical Specifications Item Sr No 75</p> <p>Page 58/115</p> <p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>2 x 600 W Class D Power Amplifier - Bose / Dynacord / Crown</p>	<p>This amplifier will be used to drive the 12" speaker and subwoofer on impedance.Hence no need to have rating on 70V/100V. Sampling Rate: 96kHz, 24bit Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world- recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Bose/Dynacord/Crown/Music Tribe.</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>22 CHANNEL AUDIO MIXER - Sound craft / Dynacord / Yamaha</p>	<p>Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world-recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Soundcraft/Dynacord/Yamaha/Music Tribe.</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>Audio Mixer - Sound craft / Dynacord / Yamaha</p>	<p>Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world-recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Soundcraft/Dynacord/Yamaha/MusicTribe.</p>	<p>NIT condition shall prevail.</p>
	<p>LIST OF ACCEPTABLE MAKES / MANUFACTURERS</p> <p>Page 69/115 to 71/115</p>	<p>12 x 8 AUDIO DSP (with AEC feature) - Biamp/ BSS/ Extron/ Crestron</p>	<p>Request to kindly approve MUSIC TRIBE as a BRAND. MUSIC TRIBE represent world-recognized brands such as TANNOY, LAB GRUPPEN, LAKE, TC HELICON, TC ELECTRONIC, EUROCOM, MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER and BUGERA. Kindly amend Biamp/ BSS/ Extron/ Crestron/ Music Tribe.</p>	<p>NIT condition shall prevail.</p>

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	6 x 4 AUDIO DSP - Biamp/BSS/Extron/Crestron	Kindly amend Biamp/BSS/Extron/Crestron/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Central control unit should have the following features - Beyerdynamic / Bosch / Sennheiser	Kindly amend Beyerdynamic/Bosch/Sennheiser/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Digital Table Top wired Chairman Unit - Beyerdynamic / Bosch / Sennheiser	Kindly amend Beyerdynamic/Bosch/Sennheiser/Audio Technica	NIT condition shall prevail.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Digital Table top wired delegate unit - Beyerdynamic / Bosch / Sennheiser	Kindly amend Beyerdynamic/Bosch/Sennheiser/Audio Technica	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page No. 12/115	Eligible Bidders	1.Clause No 4.2 says“minimum average turnover of INR 3.20 Crores during the immediate last three consecutive financial years. A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. “ But as per FORM-A 5 years of financial data has been asked for.Please confirm the exact number of year require.	Kindly read amendment as - The bidder should have minimum average turnover of INR 3.20 Crores during the <b>last three financial years ending as on 31/03/2019</b> . A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available <b>last three financial years ending as on 31/03/2019</b> . The copy of balance sheet, profit and loss statement sheet duly certified by the Chartered Accountant for last three financial years ending on 31/03/2019 to be enclosed in technical bid.
	NIT Page No. 12/115	Eligible Bidders	2.Godrej being a group of companies always shows balance sheet and P/L account for the cumulative data of all the divisions hence turnover against exact AV works will be difficult to derive.However we can show value of AV works from educational institutes in last 5 years along with PO copies certified by CA.Please confirm if that will work.	NIT condition shall prevail.
Bidder 21	Epson India Pvt Ltd			
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	6500 Lumens Projector	1. In page no-69 laser category you did not mention Epson as we are also manufacture of LCD laser projector	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 24  Page 46/115	3600 Lumens Ultra Short Throw Projector	2. In Short through category request you kindly consider more than 3000 lumen or 3500 lumen because most of the brand doesn't have exact 3600 lumen projector	NIT condition shall prevail.
Bidder 22	QSC India Pvt Ltd			
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Make List Sr. Nos. 18,19,20,21,26,29 & 33 in pages 69 and 70.	1) Apart from the brands already mentioned, we request to please include QSC brand also in the approved make list for Items 18,19,20,21,26,29 & 33 in pages 69 and 70.	NIT condition shall prevail.
Bidder 23	Cosmos Business Machine			



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Page No 7/115 and 12/115  Point (e) & 4.2	A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should have minimum average turnover of INR 3.20 Crores in last three during the immediate last three consecutive financial years	Request you to include : Please increase the Average turnover at least equivalent or above to 7 Cr.  REMARK : Further, Project estimated cost is above 6Cr and PO asked are for 5.6Cr	Kindly read amendment as - The bidder should have minimum average turnover of INR 3.20 Crores during the <b>last three financial years ending as on 31/03/2019</b> . A certificate by the auditor/ CA/ CS indicating the turnover of the firm should be enclosed. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available <b>last three financial years ending as on 31/03/2019</b> . The copy of balance sheet, profit and loss statement sheet duly certified by the Chartered Accountant for last three financial years ending on 31/03/2019 to be enclosed in technical bid.
	NIT - Page No 11/115  Point 2.5	SECTION II: INSTRUCTIONS TO BIDDERS (ITB)  2. Delivery and Execution Period / Project Timelines	Designer & Architect Consultants : VSC or the Consultants, appointed by NU as Architect Consultants.  Request you to Provide : Request you to please provide Design and Architect or Layout. REMARK : This will help us to understand connectivity more specifically.	NIT condition shall prevail. Layouts already provided in the Tender NIT document
	NIT - Page No 17/115  Point 12.4	12. Evaluation of Proposals & Award Criteria	Nalanda University would evaluate the technical bids based on the following Point criteria: The bidders are requested to submit the forms as mentioned/tabulated below on page no 17 (A,B,C & D)  Request you to clarify : Request you to please include Grading for Following also and Clarify if it is the same A. Financial strength : 60% min more then 6Cr 100% B. Experience in eligible similar nature of Work during last seven years., 60% min more then 5.6 Cr 100% C. Performance on Works (time Over run). Min 60% more 100%  REMARK : marks would be awarded on pro-rata basis. Need to be further clarified.	60% marks for meeting the minimum eligibility criteria and 100% marks for meeting twice the minimum eligibility criteria. Same already mentioned in the NIT. Other criterias also clearly defined.
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	List of Acceptable Makes Specifically for the tender line items are from 1 to 13, 41-43, 46,47,50, & 57-68 as per BOQ and Technical Specification.	LIST OF ACCEPTABLE MAKES / MANUFACTURERS : Acceptable Make / Brand / Manufacturer  Request you to Include : Request to include "Kramer" globally most awarded and recognized Brand of AV items. Specifically for the tender line items are from 1 to 13, 41-43, 46,47,50, & 57-68 as per BOQ and Technical Specification.  REMARK : OEM Kramer is renowned Brand and Complies your requirement. With installation base in many IIM and IIT	NIT condition shall prevail.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Section I Invitation For Bids  Page 5/115	Pre-Bid Meeting	Pre-bid Meeting : 03.08.2020 at 11.00AM at NU Rajgir, as per the CPPP. Rescheduled for 5th Aug 2020  Request you to: Please have Online VC Pre-Bid as due to covid-19 and social distancing norms many not be able to attend the same with technical representatives.  REMARK : This will help to introduce and understand you better, please confirm for Link and Timing.	NIT condition shall prevail. Pre bid in this regard is already over.
Bidder 24	NIT Document - Page 94/115  Form D	Form D - Prescribed Format	Considering the present situation caused by the world wide pandemic, we request you to remove Form D which is the standard CPWD format of completion and accept the standard completions formats of different governmental organizations.	Bidder shall submit the duly signed & stamped installation and commitioning certificate along with the supply order. The copy of purchase order along with installation and commisioning certificate enclosed along with technical bid as an experience of bidder shall be duly notarized. The details of FORM D should be furnished on the letter head of Bidder duly signed & stamped.
	NIT Document - Page 8/115  Section 2.m	SECTION I: INVITATION FOR BIDS (IFB)  Undertaking to the effect that a Performance Bank Guarantee (PBG) of 5% of the order value will be submitted within15 (fifteen) days of the receipt of Letter of award (LOA) or Supply Order from Nalanda University, Bihar.	Owing to the present condition and the strain on the banks caused by the COVID 19 pandemic. We request that you allow for the PBG to be submitted 30 days after LOA/supply order.	Please refer to the corrigendum
	NIT Document - Page 22/115	6. Performance Bank Guarantee (PBG)  Performance Bank Guarantee (PBG): The successful bidder must submit a Performance Bank Guarantee (PBG) of 5% of the order value within 30 days of receipt of supply order by Nalanda University, District Rajgir, Bihar as per the format provided in the tender document. This Bank Guarantee should remain valid Six months beyond the period of delivery, installation & warranty.	Owing to the present condition and the strain on the banks caused by the COVID 19 pandemic. We request that you allow for the PBG to be submitted 30 days after LOA/supply order.	Please refer to the corrigendum
	NIT Document - Page 98/115	Form G	A site survey at present circumstances is not possible. We therefore request you to remove Form G from NIT.	Bidder may appoint his team / his OEM counter part for the site survey. Incase the bidder doesnot submit the undertaking for site survey as per FORM - G, the bidder will be bound to complete the installation at site with in the time frame as stipulated in NIT. In the absence of Form G along with technical bid, the bidder will not disqualified by Nalanda University.

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Document - Page 81/115	Manufactures Authorization Format (MAF)	Please allow the OEM's to submit the MAF in their own format for the mentioned items.	NIT condition shall prevail
	NIT Document - Page 21/115  Clause No. 5	<p>Terms of payment: The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein;</p> <p>(i) 80% after initial inspection and delivery at site in good condition on prorata basis. (ii) 10% after completion of installation in all respect, (iii) Balance 10% will be paid after testing, commissioning, trial run and handing over to the department for beneficial use including fire inspection.</p> <p><b>Note:</b> (a) Rates The rates quoted by the tenderer shall be firm and inclusive of all taxes, duties, levies and all charges for packing, forwarding</p>	We request that the notes mentioned in the payment terms may kindly be removed and considered null and void.	NIT condition shall prevail
Bidder 25				
	Technical Specifications Item Sr No 51  Page 52/115	19" Floor Standing AV Racks – 15U,	Amend Rack sizes from – 600mmW x 600mmD for 15U  to  17U 600W/650D	NIT condition shall prevail
	Technical Specifications Item Sr No 51  Page 52/115	request to add description	Request to add: OEM has to submit UL approved- UL 2416 , ISO9001:2015 and ISO14001:2015	NIT condition shall prevail

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 51  Page 52/115	Delete description	Delete Description - Two Pair of slotted vertical cable channel shall be provided at front and back for managing cables.	NIT condition shall prevail
	Technical Specifications Item Sr No 51  Page 52/115	Change of description from : Rack shall be supplied with equipment mounting hardware in pack of 100s such as mounting nuts and screws either 12-24 or M6 type as applicable	to: Maximum 40Nos equipment mounting hardware require for 17U Height Rack	NIT condition shall prevail
	Technical Specifications Item Sr No 51  Page 52/115	Change of description from : Rack shall be equipped with minimum 2 nos. of 8 x 5/15 Amps power supply sockets, 2 nos. of vertical cable managers and 2 no. of 19" 1U size horizontal cable managers.	to: Horizontal PDU 6 Socket Indian round pin 6/16 AMP with Single pole MACB 16A and 3Mtr Main cable 2.5Sq MM 3 core cable -2Nos each rack  Horizontal Metal Cable Manager - 01U - Plastic Cable Loop's Mountable-2Nos each rack	NIT condition shall prevail
	Technical Specifications Item Sr No 52  Page 53/115	19" Floor Standing AV Racks –22U	Amend Rack sizes from – 600mm (W) x 600mm (D) for 15U & 22U,  to  22U 600W/650D	NIT condition shall prevail

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 52  Page 53/115	request to add description	Request to add: OEM has to submit UL approved- UL 2416 , ISO9001:2015 and ISO14001:2015	NIT condition shall prevail
	Technical Specifications Item Sr No 52  Page 53/115	Change of description from : Rack shall be supplied with equipment mounting hardware in pack of 100s such as mounting nuts and screws either 12-24 or M6 type as applicable	to: Maximum 40Nos equipment mounting hardware require for 17U Height Rack	NIT condition shall prevail
	Technical Specifications Item Sr No 53  Page 53/115	19" Floor Standing AV Racks – 36U	Request to add: OEM has to submit UL approved- UL 2416 , ISO9001:2015 and ISO14001:2015	NIT condition shall prevail
Bidder 26				
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Make List Sr. Nos. 18,19,20,21,26,29 & 33 in pages 69 and 70.	1) Apart from the brands already mentioned, we request to please include QSC brand also in the approved make list for Items 18,19,20,21,26,29 & 33 in pages 69 and 70.	NIT condition shall prevail
Bidder 27				

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Document - Page no 7/115  Point No I	The similar work means supply & installation & on-site support of all/ <b>most</b> of the IT, audio & video items mentioned in this tender document in a single project on turn-key basis in last seven years in India.	How we should interpret the word "MOST" for the qualification criteria. Please clarify.	NIT condition shall prevail
	NIT Document - Page no 7/115  Point No E	The bidder should not have incurred any loss (Profit after tax should be positive) in more than two (2) years during available last three consecutive financial years balance sheets, ending 31st March 2019, duly certified and audited by the Chartered Accountant.	There is conflict between both the points. In the first point it is asking for the balance sheet of last three consecutive years, but in the second point it is asking for last five consecutive years. Please clarify which point we have to consider.	NIT condition shall prevail
	NIT Document - Page no 12/115  Point no 4.2	The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the Chartered Accountant. The bidder(s) are required to submit at least the audited profit and loss statement sheet duly certified by the Chartered Accountant.		NIT condition shall prevail

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT Document - Page no 17/115  point no 12.4	Bidder will be awarded 60% marks for meeting minimum eligibility criteria for each Section A, B, C and D and 100% marks for meeting twice the minimum eligibility. In case of bidder meeting criteria in between the minimum and twice the minimum eligibility, marks would be awarded on pro-rata basis.  For example, if the minimum eligibility in similar work is to submit one project experience of 80% of the tender value and the bidder submits two such works, they would be awarded 100% marks, however if they submit only 1 as mandated minimum, they will be awarded 60% marks.  <del>If the minimum requirement is to provide</del>	Would the marks be allotted for experience of each and every single item mentioned in the BOQ.	NIT Condition shall prevail. Marks for the Criterias mentioned in the Eligibility criteria clause and not for BOQ items.
Bidder 28				
	NIT Document - Page 17/115	Form D	Kindly allow the "Form-D" to be issued / signed by the "Tendering Authority" in lieu of the "Enduser", in cases where the Enduser has placed order thru' some Tendering Authority / has not placed the order directly on the executor.	Bidder shall submit the duly signed & stamped installation and commitioning certificate along with the supply order. The copy of purchase order along with installation and commisioning certificate enclosed along with technical bid as an experience of bidder shall be duly notarized. The details of FORM D should be furnished on the letter head of Bidder duly signed & stamped.
	Eligible Bidders & MAF  Page 13/115 & 81/115	Eligible Bidders & MAF Format	Kindly allow the successful bidder to submit the MAFs after you place the Order but before execution.	NIT condition shall prevail
Bidder 29				

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Make List Sr. Nos. 18,19,20,21,26,29 & 33 in pages 69 and 70.	1) Apart from the brands already mentioned, we request to please include QSC brand also in the approved make list for Items 18,19,20,21,26,29 & 33 in pages 69 and 70.	NIT condition shall prevail
	Technical Specifications Item Sr No 1  Page 39/115	Modular configurable type flush mount/table top AV signal aggregation Cable Cubby/ Hydraulic Pop-Up box unit:	Cable Cubby/ Hydraulic Pop-Up Box should be included as separate category along with approved makes list as per other backend video products: Extron/Crestron /AMX	Kindly read amended specifications as - "Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel, <b>Cable Cubby/Hydraulic Pop-Up box unit</b> etc."
	Technical Specifications Item Sr No 2  Page 39/115	3 I/P SWITCHER PLUS TRANSMITTER WITH AUDIO EMBEDDING:	1. As per system requirement the three-input switcher transmitter doesn't need any HDMI putput port, since the transmitter is required to transmit signal over twisted pair output to the matrix switcher. Only twisted pair output is sufficient. However, the tender specification asks for a HDMI output port which is favoring to specific manufacturer i.e. Crestron.  2. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Please refer to the corrigendum
	Technical Specifications Item Sr No 3  Page 39/115	HDMI TWISTED PAIR RECEIVER:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr



Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 5  Page 40/115	HDMI ACTIVE WALL/FACE PLATE:	1. In the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs. Kindly confirm the required signal transmission distance 70/100 mtr?	Kindly read Required signal distance as - 100 Mtr
	Technical Specifications Item Sr No 7  Page 40/115	USB WIRELESS PRESENTOR SYSTEM:	1. If we are going with USB Dongle based wireless presentation system, we understand that the same will be used in conference room, meeting room where using only two Dongle will limit the presentation sharing only till two persons and hence we would suggest to use app based wireless presentation device for more scalability and flexibility.  Moreover, in classroom scenario USB Dongle is always a matter of security concern in terms of maintenance.  2. Kindly clarify the functionality require for support with third party app such as Microsoft Office, Skype, Lync, and Webex.  3. Requesting to consider separate WiFi access point aside to built-in WiFi which will solve the purpose in an equivalent manner.	NIT condition shall prevail
	Technical Specifications Item Sr No 8  Page 41/115	HDMI SCALAR CUM MATRIX SWITCHER – Minimum 6 video inputs:	1. As per tender BOQ, we understand that the input sources are: Cable Cubby/ Active Wall Plate, Wireless presentation device, Document camera, PTZ camera, Video conferencing codec (Dual output), annotation processor, and for output devices we have: Projector/ Displays, Video conferencing codec ( signal feed for content sharing with far end), annotation processor ( return video feedback signal to Matrix Switcher), streaming/ recording device (considering recording device at output side to provide enhanced scalability and flexibility to record/stream any content from input sources connected to matrix switcher. Requesting to upgrade the input/ output configuration of matrix switcher to minimum 7 inputs, and minimum 4 outputs (HDMI or Twisted Pair as per design flow convenience). However, we would request to provide room wise SLD for our better understanding.  2. External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Hence requesting to remove this from tender specification.  3. Please clarify the use of control port for relay which is mentioned under other port.	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio:	<ol style="list-style-type: none"> <li>As per tender BOQ, it's eminent that no VGA input sources needs to be directly plugged in matrix switcher. In case if any portable input device is having VGA output port so that provision has been given through the cable cubby which will be connected further to the Multiformat three input transmitter (1x VGA+A, 2x HDMI). However, VGA is almost an obsolete technology. So requesting to replace the VGA input ports with equivalent number of HDMI input ports.</li> <li>As per tender BOQ, we understand that the input sources are: cable cubby/ active wall plate, Wireless presentation device, Document camera, PTZ camera, Video conferencing codec (Dual output), annotation processor, and for output devices we have: Projector/ Displays, Video conferencing codec ( signal feed for content sharing with far end), annotation processor (return video feedback signal to Matrix Switcher), streaming/ recording device (considering recording device at output side to provide enhanced scalability and flexibility to record/stream any content from input sources connected to matrix switcher. Requesting to upgrade the input/ output configuration of matrix switcher to minimum 7 inputs, and minimum 4 outputs (HDMI or Twisted Pair as per design flow convenience). However, we would request to provide room wise SLD for our better understanding.</li> </ol>	Please refer to the corrigendum
	Technical Specifications Item Sr No 9  Page 41/115	HDMI SCALAR PLUS MATRIX SWITCHER – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio:	<ol style="list-style-type: none"> <li>External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Hence requesting to remove this from tender specification.</li> <li>Please clarify the use of control port for relay which is mentioned under other port.</li> <li>Requesting to clarify the number of output ports on which scaling is required.</li> </ol>	Please refer to the corrigendum
	Technical Specifications Item Sr No 10  Page 41/115	1 x 8 HDMI DISTRIBUTION AMPLIFIER:	<ol style="list-style-type: none"> <li>As per tender BOQ, understand that Eight output distribution amplifier is not required. Requesting for clarification on the actual number of required output ports and modify the same.</li> </ol>	Please refer to the corrigendum
	Technical Specifications Item Sr No 12  Page 42/115	SITC of Control Processor, with Minimum 2 x bidirectional RS-232/RS-485 serial port with hardware and software handshaking, 4 x IR/Serial ports for one-way control of external devices, 4 x Digital I/O ports, 4 x relays for controlling room functions, 1 x RJ-45 Ethernet monitoring and control, Supports 10/100/1000Base-T.	<ol style="list-style-type: none"> <li>Requesting on the clarity of 4x IR/ Serial Ports for one-way control. If not required, requesting to reconsider the same as 2x IR/Serial for one-way control.</li> </ol>	NIT condition shall prevail
	Technical Specifications Item Sr No 15  Page 43/115	Supply of Audio and Video Recording and Streaming hardware with following built-in Inputs ( HDMI / VGA/ IP LAN), HDMI / VGA Out, Audio Inputs, with ability to record upto 4 full motion video inputs in single frame along with audio, Should have minimum 1TB inbuilt storage:	<ol style="list-style-type: none"> <li>As per tender BOQ and size of matrix switcher, requirement of four full motion video is not required. Hence requesting to modify it as minimum one full motion video input.</li> <li>For memory, a separate hard disk drive can be considered. Requesting to accept external hard disk drive (HDD) in place of built in HDD.</li> <li>Recorder should have inbuilt video scaling feature to accept varied resolution input and record them at the desired resolution. Hence request to kindly include video scaling feature in recorder.</li> </ol>	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	GENERAL	GENERAL	** Requesting to provide all the Room-wise Signal Flow Diagram for better clarity and understanding**	Please refer the tender document where in the classroom requiremnt is briefly given. If any further information is required conduct a site survey for better understanding of the solution.
Bidder 30				
	NIT item No.1 at page no.39	Modular configurable type flush mount/table top AV signal aggregation Cable Cubby/ Hydraulic Pop-Up box unit	We inform you that the makes of this item is missing in the list of approved makes. Hence you are requested to specify the approved makes list as per the other switching & control products i.e. Extron / Crestron / AMX	Kindly read amended specifications as - "Video Signal Equipment – Switcher, Scalars, Extenders for HDMI, VGA, Distribution Amplifiers, Control Processor, Wired Button Panel, <b>Cable Cubby/Hydraulic Pop-Up box unit</b> etc."
	NIT item No.2 at page no.39	3 I/P Switcher Plus Transmitter with Audio Embedding	as per system requirement, the three-input switcher transmitter does not need any HDMI output port, since the transmitter is required to transmit signal over twisted pair output to the matrix switcher. Only twisted pair output should be sufficient. But in the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs both. Kindly clarify the same.	P
	NIT item No.3 at page no.39 & Item No.5 at page no.40	HDMI Twisted Pair Receiver & HDMI Active Wall / Face Plate respectively	in the tender specification, signal transmission distance is mentioned as 70 & 100 mtrs both. Kindly clarify the same.	Kindly read Required signal distance as - 100 Mtr

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT item No.7 at page no.40	USB Wireless Presentation System	<p>If we are going with USB Dongle based wireless presentation system, we understand that the same will be used in conference room, meeting room where using only two Dongles will limit the presentation sharing till only two persons. Hence we suggest to use app based wireless presentation device for more scalability and flexibility.</p> <ul style="list-style-type: none"> <li>• Moreover, in classroom scenario USB Dongle is always a matter of security concern in terms of maintenance.</li> <li>• Kindly clarify the functionality requirement for support with third party app such as Microsoft Office, Skype, Lync, and Webex.</li> <li>• Further we request to consider separate WiFi access point aside to built-in WiFi which will solve the purpose in an equivalent manner.</li> </ul>	NIT conditions shall prevail.
	NIT item No.8 at page no.41	HDMI Scalar Cum Matrix Switcher – Minimum 6 video inputs	<p>As per tender BOQ, we understand that the input sources are: cable cubby/ active wall plate, Wireless presentation device, Document camera, PTZ camera, Video conferencing codec (Dual output), annotation processor, and for output devices we have: Projector/ Displays, Video conferencing codec ( signal feed for content sharing with far end), annotation processor, streaming/ recording device (considering recording device at output side to provide flexibility to record/stream any content from input sources connected to matrix switcher. Requesting to upgrade the input/ output configuration of matrix switcher to minimum 7 inputs, and minimum 4 outputs (HDMI or Twisted Pair as per design flow convenience). However, we would request to provide room wise SLD for our better understanding.</p> <ul style="list-style-type: none"> <li>• External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Hence requesting to remove this from tender specification.</li> <li>• Please clarify the use of control port for relay which is mentioned under other port.</li> </ul>	Please refer to the corrigendum
	NIT item No.9 at page no.41	HDI Scalar Plus Matrix Switcher – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio	<p>As per tender BOQ, it's eminent that no VGA input sources needs to be directly plugged in matrix switcher. In case if any portable input device is having VGA output port so that provision has been given through the cable cubby which will be connected further to the Multifformat three input transmitter (1x VGA+A, 2x HDMI). However, VGA is almost an obsolete technology. So requesting to replace the VGA input ports with equivalent number of HDMI input ports.</p> <ul style="list-style-type: none"> <li>• As per tender BOQ, we understand that the input sources are: cable cubby/ active wall plate, Wireless presentation device, Document camera, PTZ camera, Video conferencing codec (Dual output), annotation processor, and for output devices we have: Projector/ Displays, Video conferencing codec ( signal feed for content sharing with far end), annotation processor, streaming/ recording device (considering recording device at output side to provide flexibility to record/stream any content from input sources connected to matrix switcher. Requesting to upgrade the input/ output configuration of matrix switcher to minimum 7 inputs, and minimum 4 outputs (HDMI or Twisted Pair as per design flow convenience). However, we would request to provide room wise SLD for our better understanding.</li> </ul>	Please refer to the corrigendum

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	NIT item No.9 at page no.41	HDI Scalar Plus Matrix Switcher – Minimum 6 video inputs, outputs - minimum 2 x video and 1 x audio	<ul style="list-style-type: none"> <li>• External audio amplifier has been considered for audio amplification in this system, hence 40 watt in built power amplifier in matrix switcher is not required. Hence requesting to remove this from tender specification.</li> <li>• Please clarify the use of control port for relay which is mentioned under other port.</li> <li>• Please clarify the number of output ports on which scaling is required.</li> </ul>	Please refer to the corrigendum
	NIT item No.10 at page no.41	1 x 8 HDI Distribution Amplifier	As per tender BOQ, we understand that Eight output distribution amplifier is not required. You are requested to clarify for actual number of required output ports.	Please refer to the corrigendum
	NIT item No.12 at page no.42	Control Processor	Kindly clarity of 4x IR/ Serial Ports for one-way control. If it is not required, kindly modify the same to 2x IR/Serial for one-way control	NIT Condition shall prevail
	NIT item No.15 at page no.43	Audio and Video Recording and Streaming hardware	<p>As per tender BOQ and size of matrix switcher, requirement of four full motion video is not required. Hence requesting to modify it as minimum one full motion video input.</p> <ul style="list-style-type: none"> <li>• For memory, a separate hard disk drive can be considered. Requesting to accept external hard disk drive (HDD) in place of built in HDD.</li> <li>• Recorder should have inbuilt video scaling feature to accept varied resolution input and record them at the desired resolution. Hence request to kindly include video scaling feature in recorder</li> </ul>	Please refer to the corrigendum
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Please specify the makes for the software of language, streaming, video editing. Also in case if the language software is proprietary to one make / customize, please exempt this category for authorization	NIT Condition shall prevail

Sr. no.	Tender Reference	Item Description	Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS	Reply from Nalanda University
	GENERAL	GENERAL	Kindly provide room wise BOQ & SLD	Please refer the tender document where in the classroom requirement is briefly given. If any further information is required conduct a site survey for better understanding of the solution.
	GENERAL	GENERAL	Request to add criteria as follows:  All OEMs should have direct presence in India for at least 5 years and should have their own service center in India.	NIT Condition shall prevail
	NIT Page no.4/115	Notice Inviting e-Tenders  Last time and date of submission of bid:24.08.2020 up to 3.30 pm ( as per ccpp)	Request to:  extend the tender for one week so that we can participate in the tender	NIT Condition shall prevail
Bidder 31	ELGIN Electronics Pvt Ltd			
	LIST OF ACCEPTABLE MAKES / MANUFACTURERS  Page 69/115 to 71/115	Make List Sr. Nos. 23  Digital Audio-Conferencing System	Request to please include Brahler brand also in the approved make list.	NIT condition shall prevail.

<b>Sr. no.</b>	<b>Tender Reference</b>	<b>Item Description</b>	<b>Clarification Required or sought by the prospective bidders/participants/Integrator/OEMS</b>	<b>Reply from Nalanda University</b>
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