



Memo No: AC/121/20-21

Date: 30.12.2020

TENDER NOTICE

Sealed quotations are invited from reputed Supplier/Vendor to quote their possible rate for the supply, installation and delivery of Equipment's of Smart Class Room as per Annexure - I at School of Education, Academic Building, Kalyani Regional Centre, NSOU, Ghospara Station Road, Kalyani, Nadia-741 235, West Bengal subject to the following terms and conditions.

Last date for submission: 08/01/2021 up to 4 PM.
Place of Submission: Finance Department, 4 th Floor, Netaji Subhas Open University DD-26, Sector-I, Salt Lake, Kolkata -700064
Contact No: 7001120831,9836536396,9874136688, 9051162059
Tenders will have to be submitted in Two parts i.e. (i) Technical Bid and (ii) Financial Bid in separate sealed covers indicating (a) the type of bid (i.e. Technical Bid or Financial Bid), (b) name of the bidder, (c) Tender No. & date etc. Both these covers will have to be put together in a separate single sealed cover mentioning (a) name of the bidder and (b) Tender No. & date etc.
A. Technical Bid: The bidder is to provide the following documents in Technical bid: 1. Details of the technical features of the items (brand name, model no., Specification & Picture, if any.) 2. Authorization certificate of items from OEM for dealing in. 3. Details of nature and maximum period of Warranty offered by the Bidder. 4. Copy of PAN and/TAN of bidding authority are to be submitted. 5. Copy of Trade License 6. Copy of Challan for payment of Professional Tax 7. Copy of Credential for supply of similar type of item to the Educational Institute/Government Office 8. The Bidder is to fill in the Check List given in Annexure - III
B. Financial Bid: The bidder is to submit the Tender in the Format given in Annexur -II
C. University has reserved the right to cancel / withdraw the tender notice at any time without assigning any reason.
D. The sum of total of all items would only be taken into consideration to have the value of LOWEST QUOTATION and the Bidders is to quote all the items. Partial bidding will not be considered. Quantity of itmes to be supplied may vary at the time of order.
E. The Applicant bidders to participate in the bidding process are to fill in the following Formats given in the page No. 5 & 6 and Finacial Bid as per Page No. 4.

Finance Officer
Netaji Subhas Open University DD-26, Sector -1, Salt Lake, Kolkata-700064



Annexure - I

SI No.	Item with Specification	Quantity
1	High Quality Speaker	6 Nos.
	2 Way column speaker , 3mm extruded aluminium Transducer: 1 x1" dome tweeter Transducer Complements: 4x2" woofer Cross Frequency : 6 Khz Front Cabinet: Aluminium make Sensitivity: 89dB Frequency Range: 180 Hz. To 20 KHz. @ -10 dB Direct mode or better Frequency Response: 250 Hz. To 6 KHz. @ -3dB Direct mode or better Rated Power: Minimum 110 dB @ 30 Watt Nominal Impedance: 8 Ohms Power Taps @ 100V: 7.5W, 15W, 30W,60W Make: Bose/Sonodyne/DNH Speakers/AtlasIED	
2	Power Amplifier	1
	Power: minimum 250 Watts Frequency response: 50hz - 15khz (± 3db) @ 100v Input connections: Transformer balanced input with male and female XLR input/output sockets Power output: 250 watts RMS into 100- & 70-volt line/ 4 ohms Outputs: 100 & 70 volts/4-ohm speaker outputs via I/O barrier Strip. Line out to feed additional power amplifiers available from one of the paralleled XLR inputs Controls: Power switch, Input attenuator Protection: through built in cooling fan with temperature sensor Indicators of Amplifier status: power on, output meter; mains fail, High temp trip etc. Signal to noise ratio:-82db or better Input sensitivity: Max 300mv (set @ 1v) Input impedance: 10 KOhm or better THD: less than 0.5% @ 1khz; Distortion at max power: 0.7% or better Power source AC: 200V to 250V - 50hz Form Factor: Rack mount 2U Make: Bose/Australian Monitor/Precision Audio/AtlasIED	
3	Wireless UHF Microphone	2 Nos.
	Wireless UHF Microphone both livelier type and handled type Receiver's audio frequency response 42hz to 516MHz (-3 dB), Transducer Principal: Dynamic Pickup pattern: Cardioid Switching Bandwidth: 823 ~ 865MHz / 865~867MHz / 626~668MHz etc. Sound pressure label (SPL): 85dB to Max 154dB Audio output: 6.3 mm jack socket (unbalanced): +12 dBu XLR socket (balanced): +18 dBu Signal to Noise Ratio: ≥ 105 dBA or Higher Total Harmonic distortion: 0.9% or higher Frequency stability: ≤ ±15 ppm Working distance: > 200ft THD @ ≤ 0.9%, Microphone's AF frequency AF frequency response 40-18,000 Hz Make: Sennheiser/Chure/AKG/SONODYNE	



4	12U Rack	1 No.
	with Clear glass lockable door, Skeleton frame, Left, Right & Top panel, 2 RU Tray & wheel set with power board and cooling fans Make: Australian Monitor/Valrack/Netrack	
5	Speaker Cable and Conduit	340 mtr
	Size: 1.5 sq mm Core: 2 Core Conductor Material: Copper Current Rating: 45Amp Thickness of PVC Insulation: Minimum 0.8mm Thickness of PVC inner sheath: Minimum 0.4mm Should be ISI compliant	
6	Projector	1 No.
	3LCD system, Light output 2900lm / 3400 lm , WXGA, Zoom wide: 35.4 - 60.1 cm Panel Aspect ratio 4:3 / 16:9 , Contrast ratio: 14000:1 or higher Focus Manual, Zoom , Technology: Infrared , Input Devices: Interactive Pen Digital Pen (Easy Interactive Pen 1,2) Powered/Manual Manual Zoom – Ratio Approx. x 1.3 Calibration Method: Pen: Auto / Manual (min points) Fan Noise (Normal / Eco / Eco2): 35dB / 29db Wireless: optional HDMI input – 3 Sound output: 16W Throw Ratio -1.37:1 to 1.80:1 Screen Size – 60" -100" or higher (measured diagonally) Acoustic Noise - Lamp mode: Low 29dB Make –SONY/Epson/Hitachi	
7	Projector Screen	1 No.
	Motorize Projection Screen size – 8' x6' Seamless compound multi layers diffuse reflection fabric. Tubular (with smooth & quieter operation) Viewing area - 2490mm(W) x 1900mm(H)	
8	HD Camera	1 No.
	Full HD Professional Camcorder Sensor size: 1/2.3" CMOS 18.9M pixels Stabilizer: Optical image stabilization with Enhanced Advanced Image Stabilize Lens: F1.2 (wide) to F2.8 (Tele) f= 3.76mm to 37.6mm (f=29.9 mm to 586mm [35mm equivalent; Dynamic Zoom ON]) LCD Display: 3.5" Video Codec: MPEG-4 AVC/H.264 (HD/SD), MPEG-2 Long GOP VBR (HD/SD) MPEG-2 Long GOP CBR (HD), AVCHD (HD) File format: MOV, MP4, MTS (AVCHD) Recording media: SDHC/SDXC memory card (HD: Class 6/10 AVCHD/SD: Class4) Brand: SONY/Panasonic/Ikagami/JVC	



9	Camera Stand	1
	Tripod –Two stage aluminum tripod stand Payload: 10 kg Ball diameter: 65mm Brand: Manfrotto / E-Image/ Milliboo	
10	Professional Display	1
	4K UHD display Resolutions: 3840 x2160, Type: Edge LED BLU, Brightness: 350 nits, contrast ratio: 5000:1, HDMI -2.0 (3), USB 2.0 (2) internal storage: 8GB (3.88GB Occupied by O/S, 4.12GB Available), Operating system: Tizen 4.0 (VDLinux), active display area: 941.184 (H) x 529.416 (V)	
11	HDMI Cable 20mtr	4
	20 mtr HDMI Cable supported 1080p WUXGA (1920x1200) at 60 Hz	
12	HDMI to VGA converter	2
	HDMI to VGA converter Make: W-Box/Cramer/MX	
13	SDI to HDMI converter	2
	1 x SD, HD or 3G-SDI. 1 x SDI loop out.	
14	HDMI distribution	2
	4K HDMI Distribution Amplifier 1x4 Video Input: 1 x HDMI Video Output: 4 x HDMI Video formats: HDMI Supported Resolutions 4096x2160p 60/59.94/50 4096x2160p 30/29.97/25/24/23.98 3840x2160p 60/59.94/50 3840x2160p 30/29.97/25/24/23.98 1080p 60/59.94/50, 1080p 30/29.97/25/24/23.98 1080i 60/59.94/50, 720p 60/59.94/50 480p, 576p, 480i, 576i Video Bandwidth: Single-link 600MHz [18Gbps]	
15	DAS Storage	1
	8TB 2 x hot-swappable* 7200RPM/64MB cache (or greater) hard disks 2 x Thunderbolt™ 2 1 x USB 3.0 (UAS and USB 2.0** compatible) Thunderbolt 2: 20Gb/s USB 3.0: 5Gb/s	
16	High quality Podium	1
	Goose Mic and Light Line input, 2 Mic input, 1 Line output,	



Annexur - II

Format for Submission of Quotation for Financial Bid						
SL. No.	Item	Qty	Rate per Unit (Rs.)	GST per unit (Rs.)	Rate per Unit including GST (Rs.)	Total (Rs.)
A	B	C	D	E	F=D+E	G=C x F
1	High Quality Speaker	6				
2	Power Amplifier	1				
3	Wireless UHF Microphone	2				
4	12U Rack	1				
5	Speaker Cable and Conduit	340 mtr				
6	Projector	1				
7	Projector Screen	1				
8	HD Camera	1				
9	Camera Stand	1				
10	Professional Display	1				
11	HDMI Cable 20mtr	4				
12	HDMI to VGA converter	2				
13	SDI to HDMI converter	2				
14	HDMI distribution	2				
15	DAS Storage	1				
16	High quality Podium	1				
Total (Rs.)						
Rupees						

Signature with Seal & Date:

Mailing Address:

Name of Signatory:

Mobile No of Contact Person:

Name of Organization:

Email Address of the Organization:



To

The Finance Officer
Netaji Subhas Open University
DD 26, Sector – 1, Salt Lake
Kolkata – 700064

Ref: Memo No: AC/121/20-21 Dated: 30-12-2020

Sub: Submission of Bid – Technical & Financial with reference to the above.

Sir,

As per guidelines given in the Tender Notice we are quoting the itemwise value and the total amount in the prescribed Annexure II format in the Financial bid along with the Technical Credentials supported with relevant documents as applicable. We have read all the terms and conditions given in the Tender Notice and do hereby undertake to obey the rules and regulations of Tender.

With regards

Signature with Seal & Date:

Name of Signatory:

Name of Organization:

Mailing Address:

Mobile No of Contact Person:

Email Address of the Organization:



Annexur -III

Check List for Technical Bid		
SL. No.	Particulars	Put Y if Yes/N if No, respectively
1	Details of the technical features of the items (brand name, model no., Specification & Picture, if any).	
2	Authorization certificate of items from OEM for dealing in(if any).	
3	Details of nature and maximum period of Warranty offered by the Bidder, if any.	
4	Copy of PAN and/TAN of bidding authority are to be submitted.	
5	Copy of Trade License	
6	Copy of Challan for payment of Professional Tax	
7	Copy of Credential for supply of similar type of item to the Educational Institute/Government Office	

Signature with Seal & Date:

Enclosures:

1	Details of the technical features of the items (brand name, model no., Specification & Picture, if any).
2	Authorization certificate of items from OEM for dealing in.
3	Details of nature and maximum period of Warranty offered by the Bidder, if any.
4	Copy of PAN and/TAN of bidding authority are to be submitted.
5	Copy of Trade License
6	Copy of Challan for payment of Professional Tax
7	Copy of Credential for supply of similar type of item to the Educational Institute/Government Office
8	filled in Check List given in Annexure - III