

Tender Document For Establishment of TV Studio at NUML

Date of Issuance: 20th October, 2022

Date of Submission: 8th November, 2022



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NATIONAL UNIVERSITY OF MODERN LANGUAGES

Sector H-9, Islamabad





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INVITATION TO BID

[For the Establishment of TV Studio at NUML]

NATIONAL UNIVERSITY OF MODERN LANGUAGES (NUML) is the leading linguistic public sector university is focused on reforming the Information & Communication Technology by deploying various ICT facilities. Information Communicational Technological Infrastructure have already been established in University.

2. Bidding documents, containing detailed terms and conditions, etc. are available *at office of Director-IT, Salam Block and on university website (www.numl.edu.pk)*. Price of the bidding documents is Rs. 2500/-

3. The bids, prepared in accordance with the instructions in the bidding documents, must reach *at office of the **Director Administration, Jinnah Block, on 8th November, 2022 at 1100Hrs.*** Bids will be opened the same day at 1130Hrs. This advertisement is also available on PPRA website at www.ppra.org.pk and NUML Website, www.numl.edu.pk.

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1.0 SCOPE OF WORK

Objective of this consolidated bidding document is to establish a TV Studio at NUML as a Turnkey Project.

2.0 GUIDELINES FOR THE PROJECT

Bidder's bid furnishes all requirements for a TV Studio alongwith the detail of the equipments to establish a TV Studio at NUML. The minimum specification with BOQ is given in the technical proposal of this tender document at **Annexure "A"**.

3.0 BIDS SUBMISSION REQUIREMENTS

The objective of bid submission requirement is to provide bidders with the information to submit their bid in response of this Tender in order/sequence as set forth in this document. Bidders must follow following requirements for their proposals/bids.

Bidders must conform the following standards in the preparation and submission of the bid.

- 3.1 **PPRA rule 36 (b) shall be adopted:**
Single Stage Two Envelope bidding procedure: -
- 3.2 PPRA rule 36 (b) least cost method shall be adopted i.e. technically qualified but financially lowest.
- 3.3 The Vendor is required to submit Technical Bid and Financial Bid in separate envelopes.
- 3.4 Bids will include the prices quoted for each equipment as at **Annexure –B** in Pak Rupees.
- 3.5 The quoted prices must include all taxes, customs and freight charges for delivery and installation of equipment at the required location as mentioned in **Annexure-A** at their own risk and cost.
- 3.6 The Bidder shall furnish earnest money equal to 2% of the total value of Bid in the form of Bank Draft/Pay Order issued by a scheduled bank of Pakistan in favour of "Rector, National University of Modern Languages", valid for at least **six month (06 month)**. No Bid shall be entertained without earnest money. Earnest money of the successful bidder will be released on completion of the project.
- 3.7 The Ten percent (10%) of total contract value shall be retained as a Security, which will be released after satisfactory completion of warranty period (i.e one year)
- 3.8 Proposals sent to NUML by fax or email shall not be accepted.
- 3.9 Bidders should provide complete technical details with original printed brochure both for the equipment and services required under this Tender Document.
- 3.10 Bidders are required to submit their proposals conforming to the specifications and terms & conditions provided in this Tender Document.
- 3.11 Failure to abide by any instructions of this Tender Document may, at the NUML's sole discretion, result in rejection of the Bidder's Proposal and disqualification.



- 3.12 NUML has no obligation to locate or acknowledge any information in the Vendor's Proposal that is not presented under the appropriate outline according to these instructions and at the proper location.
- 3.13 Bidder's Proposal/Bid/Offer must be received, in writing, at National University of Modern Languages, Sector H-9 Islamabad in the office of **Director Administration, Jinnah Block, 1st Floor, Room #38**, by the date and time specified herein. NUML will not be responsible for any delays in delivery or expenses for the development or delivery of proposals. Any Proposal/Bid/Offer received after Proposal/Bid/Offer submission date and time shall be rejected.
- 3.14 Bidder must provide electronic copy of the submitted bid along with all supporting documents after relevant bid opening if asked.
- 3.15 Bidder must fully respond to each requirement within the Technical specifications by fully describing the manner and degree by which the Bid meets or exceeds said requirement(s).
- 3.16 It is responsibility of the Bidder to clearly identify all costs associated with any item or series of items in this Tender Document. The Bidder must include and complete all parts of the cost Proposal in a clear and accurate manner. Omissions, errors, misrepresentations, or inadequate details in the Bidder's cost proposal will may be considered as valid ground for rejection of the Bidder's proposal. Costs that are not clearly identified will be borne by the Bidder. The Bidder must complete the respective "Cost Information Submission Form" **Annexure-B** in this Tender Document, which outlines the minimum requirements for providing cost information. The Bidder should supply supporting details as described in **Annexure B**, the Cost Information Submission Form.
- 3.17 Prices quoted in the bid shall be valid for **90 days**. After the contract, firm shall not have the right to change the price. All prices must be quoted in Pak Rupees, and must clearly state all applicable taxes which must be included in quoted price.
- 3.18 All the equipment will be supplied and installed by the firm within **60 days** from the date of supply order. In case of failure to deliver in the specific time period (i.e. 60 days), a penalty @ 0.10% of the contract amount will be imposed on daily basis for the total number of days delayed. However, the penalty should not exceed 10% of the contract amount.
- 3.19 Bidders are required to fill and sign page(s) of the **Annexure-A & Annexure-B** while following the format given. Financial Proposals not following the given format may lead to the rejection of bid. Soft copy can be provided if required.
- 3.20 The University reserves the right to increase or decrease the quantity of the equipment/items while placing the order.
- 3.21 By applying in this tender, the bidder acknowledges that the quoted items, its software or hardware modules, database, definitions or support are not provided, manufactured, grown, produced, shipped from, or otherwise originate from any of the following countries; **India or Israel**.
- 3.22 Pre-conditions set by the contractor/bidder in addition to the abovementioned terms & conditions will not be accepted, and will lead to the rejection of the bid.





4.0 SELECTION PROCEDURE

- 4.1 NUML's intent in issuing this Tender Document to award a contract to the lowest evaluated bid and best responsive Bidder who meets required standard of specifications and other factors including the mandatory requirements as indicated in the document.
- 4.2 The firm shall have to obtain 40 marks out of 80 to qualify for inclusion in the next stage for opening financial bids. Financial bids of the firms, obtaining less than 40 marks shall not be opened.

5.0 GENERAL TERMS AND CONDITIONS

The following General Terms and Conditions apply to this Tender Document

- 5.1 Last date of submission of Bids is 8th **November, 2022** at **1100** hours and the proposals will be opened on the same day at **1130** hours.
- 5.2 Bidder provide the proposed Drawing & Design Architecture (High Level & Low Level diagrams) along with Asset Tagging.
- 5.3 The bidder should be registered with Sales Tax and Income Tax Department.
- 5.4 Bidders are required to submit the detailed Project Execution Plan / Work Breakdown Structure of the project in any software like MS Project etc.
- 5.5 The Bidder should provide a detailed Project Implementation Plan as part of the Technical Proposal. This will be the basis for ensuring that the Project Implementation is regulated under defined timelines.
- 5.6 All Equipment and Services of the Proposed Solution will be awarded to a single bidder / vendor on Turnkey basis who meets all mentioned Specifications in the technical proposal Annexure "A"
- 5.7 List of technical staff members associated with the firm must also be the part of technical proposal for instance:
 - 5.7.1 Broadcast Engineer
 - 5.7.2 Broadcast Technician
 - 5.7.3 Power Distribution TechnicianAnd any other relevant technical post pertaining to the project
- 5.8 The bidder must provide last Two (02) years experienced records / documents e.g. work orders/project completion certificate in the same field.
- 5.9 An affidavit to the effect that the firm is not blacklisted by any Government/Semi Government Organization (Specimen of Affidavit **Annexure-E**).
- 5.10 The Rector NUML reserves the right to accept/reject all bids.
- 5.11 On request by the bidders, NUML shall intimate the reasons of rejection of bids but will incur no liability on this account nor is required to justify the rejection of bids.
- 5.12 An effort by a Bidder to influence NUML, directly or indirectly **THROUGH UNFAIR MEANS** in NUML's proposal evaluation, proposal comparison or contract award decision, to meet or discuss with any NUML official unless desired by the NUML may result in rejection of the Bidder's Proposal and blacklisting for any future tender of NUML.
- 5.13 All responses to this Tender Document shall become the property of NUML.
- 5.14 NUML will not bear any expense incurred in preparation of the proposals in response to this Tender Document.
- 5.15 NUML will not allow any compensation to the Selected Bidder for any variations in the rate of exchange of rupee against dollar or any other currency. No additional claim arising out of change in legislation, exchange rate variation or any sort of taxes will be entertained.
- 5.16 Supply, Installation, configuration, testing and commissioning of all the mentioned equipment will be responsibility of the firm. Vendor must install all equipment and components and must ensure that the equipment is integrated/operational and function properly at all variables.



- 5.17 Bids are liable to be rejected if they are not conforming to the terms, conditions and specifications stipulated in this Tender document.
- 5.18 During the examination, evaluation and comparison of the bids, the NUML at its sole discretion may ask the bidder for clarifications of their bids.
- 5.19 The amount submitted as Earnest Money shall be refunded to the unsuccessful bidders after decision of the "Tender Committee" for the award of said tender.
- 5.20 If there is a discrepancy between unit price and total price in the submitted bid which is obtained by multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected. If there is a discrepancy between the words and figures, the amount in words shall prevail. If there is a mistake in addition/ totaling, that shall be corrected.
- 5.21 The bid security is required to compensate NUML against the consequences of:
 - 5.21.1 Subsequent unauthorized variations and/or modifications of the terms of bid.
 - 5.21.2 If the bidder does not accept correction of his bid prices which is in the interest of Commission.
 - 5.21.3 Occurrence of any of such events as solely judged by NUML, will entitle NUML to forfeit the bid security.
- 5.22 Incomplete and conditional bids will not be entertained.
- 5.23 For this tender, all updates/changes shall be communicated through email.
- 5.24 In case of any dispute between the two parties of any matter arising out of after signing the contract agreement, the case shall be referred to Rector, NUML whose decision shall be final and binding on both parties.
- 5.25 NUML or its representative shall have the right to inspect and/or to test the equipment to confirm their conformity to the contract specifications. The Technical Specifications shall specify what inspections and tests NUML requires and where they are to be conducted. NUML shall notify the contractor, in writing, of the identity of any representatives entrusted for this purpose.
- 5.26 Only transactions, amendments, changes and/or variations in this Tender Document that are in writing from NUML and duly agreed upon by NUML shall be considered official. No negotiations, decisions, or actions executed by the Vendor as a result of any discussions with any NUML employee shall be considered official.
- 5.27 If the work is not executed according to the satisfaction of the NUML, the Rector NUML reserves the right to reject it altogether or impose a penalty not exceeding 10% of the total amount of contract.
- 5.28 If the work is not to the satisfaction of the NUML, the Rector NUML has the right to cancel the order, get work done by some other firm at the risk and cost of the vendor, subject to the condition that if the NUML has to pay any amount in excess of the agreed amount, the difference will be recovered from the vendor.
- 5.29 Refurbished and end of life / sale equipment shall not be acceptable.
- 5.30 The items delivered shall be according to the items mentioned in the Bid and no bidder shall be allowed to change brand name or quality of items without official approval of the Rector NUML.

6.0 HARDWARE AND SERVICE REQUIREMENTS

Following are the minimum hardware and service requirements which the Selected Bidder/vendor will be required to fulfil.

- 6.1 Delivery and Installation should be at Islamabad Campus at the risk and cost of successful bidder.
- 6.2 Vendor must install all equipment and components and must ensure that the proposed equipment is fully integrated/operational and function properly at all variables.
- 6.3 Vendor must provide adequate protection to install equipment against electrical surges.





- 6.4 Vendor must ensure that all systems are in first class working condition and free of short circuits, ground loops.
- 6.5 At time of installation, Vendor must provide owner's manuals, manufacturer's data sheets, and a complete equipment list.
- 6.6 Vendor shall provide on-call support (5 days a week) including assistance with operation and maintenance of the system at respective location all free of cost for a minimum period of one year from the date of the first successful start/functioning/operation of the equipment and subsequent issuance of site acceptance.
- 6.7 A site survey may be required at no cost to NUML to determine specific project efficacy at location. Any components needed during installation resulting from failure to perform a site survey must be provided at Vendor's expense.
- 6.8 Formal training on the equipment to NUML must be arranged for smooth operational of TV Studio.

7.0 WARRANTY

Following Warranty clauses are applicable to the equipment under this tender

- 7.1 The successful Bidders shall warrant the equipment with no end of life guarantee, its components to be free from any sort of defects in material and workmanship for a minimum period of 1 year from date of complete installation, testing and commissioning shall repair or replace on a timely basis any defective component, assembly or portion free of cost. Technical support should be available on call basis.
- 7.2 The Successful Bidder will warrant that the equipment supplied under the Work Order/Purchase Order are new, un-used, and incorporate all recent improvements in design and materials and which should be of good quality as per acceptable standards. Quoted equipment should meet all design, quality and other technical requirements listed in this document or explicitly mentioned somewhere else in other such projects..

8.0 MEET OR EXCEED SPECIFICATIONS

For this project, the specifications provided in this Tender Document are the minimum requirements of NUML. Bidders must meet or exceed these specifications to meet the actual requirements of this Project and its successful practical implementation.

9.0 CLARIFICATION AND AMENDMENT IN TENDER DOCUMENT

A bidder requiring any clarification of the Tender Document may so notify to contacts given bellow in writing or via email. NUML may respond in writing through email, letter or web notification to any request for clarification of the Tender Document, which are received at least seven (07) days prior to the date of Bid submission.

Mr. Babar Iqbal

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10.0 Annexure-A Technical Proposal shall be part of Technical Proposal (data should be provided in softcopy along with page reference number of supporting documents/ manuals and also see the technical evaluation criteria- Annex “D” Serial # 4)


S #	Lot	Items	Ref Page # of Documentary Proof	Qty	Specification Quoted by Vendor	Comments
1.	a.	i. Studio Camera 4K Plus Micro Four Thirds Lens Mount Capture up to UHD 4K 3840 x 2160p60 7" High-Brightness HDR Touchscreen LCD HDMI Video Output Designed for ATEM Mini Record to External USB Type-C Disks Records Blackmagic RAW, up to 25,600 ISO 3.5mm Audio Input, Built-In Mics Built-In DaVinci Resolve Color Corrector Large Tally Light Light Carbon Fiber Polycarbonate Body Or equivalent		03		
		ii. Lumix G Vario 45-150mm f/4-5.6 ASPH. MEGA O.I.S. Lens Micro Four Thirds System 90-300mm (35mm Equivalent) Aperture Range: f/4 to f/22 One Ultra-High Refractive Index Element Two Aspherical Elements Multi-Coated Lens Elements Stepping AF Motor MEGA Optical Image Stabilizer Rounded 7-Blade Diaphragm Or equivalent		03		

	<p>iii. Focus Demand with USB Cable For Studio 4K Plus and Studio 4K Pro Dual USB Connections Or equivalent</p>		03		
	<p>iv. Zoom Demand with USB Cable For Studio 4K Plus and Studio 4K Pro Dual USB Connections Speed Selector Start/Stop Record Button Or equivalent</p>		03		
	<p>v. Matte Box with Rod. Or equivalent</p>		02		
	<p>vi. Tripod with Mid-Level Spreader 6.6 lb Capacity 65mm Half Ball Head Sliding Plate with 1/4"-20 Screw & Pin 27.8 to 59.3" Height Range Dual-Stage Legs with 65mm Bowl Fixed Counterbalance & Drag Independent Pan & Tilt Locks +90°/ -70° Tilt Range, 1.2" Slide Range Manfrotto & Sachtler Compatible Plate Mid-Level Spreader and Bubble Level Or equivalent</p>		03		
	<p>vii. Standard Dolly for 650-EX Tripods, 80 lb Load Capacity Individual Wheel Brakes Folds for Transport, Integrated Carry Handle Or equivalent</p>		03		
	<p>viii. Soft Carrying Case (Camera Dust Cover) Or equivalent</p>		03		
	<p>ix. OBS Studio (Open Source) or equivalent</p>		01		
	<p>x. Computers (HP/Dell/Lenovo) Tower Casing Intel Core – i7, 11th Generation, (16 MB cache, 8 cores, 16 threads, 2.50 to 4.90 GHz Turbo, 65W) 16GB RAM – 2x 8GB DDR4 (2666 Mhz or higher) upto 32GB supported, HDD SATA= 1x 1TB SSD HARD DRIVE: 512 GB, M.2, Gen3 PCIe x4 NVMe, SSD,</p>		02		




	<p>Class 40 Built-in 1 Gbps LAN Card. Optical Drive DVD+/-RW 9.5mm ODD: Yes Intel Integrated Graphics With Windows 11 or 10 Pro, External Sound Card: 5.1 PCIe channel output, 106db SNR and high –end 600-ohm HDMI Port(s): Yes HDMI Cables for Connecting Desktop with LED Operating System: DOS LEDs: LED Display: (24”) HDMI Port(s): Yes Keyboard, Mouse of same brand with standard accessories. Or equivalent</p>				
	xi. Graphic Card Nvidia 8GB DDR6 S+ Or equivalent		01		
	xii. Bluefish444 Epoch 4K Supernova Or equivalent		01		
	<p>xiii. ATEM Mini Extreme ISO 8-Channel HDMI Live Streaming Switcher Supports up to 1080p60 RTMP Streaming via Ethernet or USB-C, Record Program Out and Individual Inputs 11-Input, 2-Channel Audio Mixer Input Frame Rate and Format Converter Re-Sync on All HDMI Inputs HD Multiview Output with up to 16 Views Local and Software Switching 4 x Upstream, 2 x Downstream Keyers Extreme Portable SSD - 1TB (included) Or equivalent</p>		01		
	xiv. Nvidia 4GB 192bit DDR6 Graphic Card Or equivalent		01		
	xv. Bluefish444 Epoch 4K Supernova S+ Or equivalent		01		



	xvi. Cardioid Handheld Dynamic Microphone Dynamic, Cardioid Polar Pattern Rugged Metal Body Includes Mic Clip and Pouch Or equivalent		01		
	xvii. LEDs (55-inch) Samsung/LG/Sony Original with wall mount bracket, HDMI cable (10 metres) and installation at the site with the power installation where required. OR equivalent		03		
	xviii. LEDs (32-inch) Samsung/LG/Sony Original with wall mount bracket, HDMI cable (10 metres) and installation at the site with the power installation where required. OR equivalent		04		
	xix. DP to HDMI Converter Or equivalent		02		
	xx. 8-Port Gigabit Desktop Switch Or equivalent		01		
	xxi. 24-inch 4.5K Retina Display M1 Chip with 8 Core CPU 8GB RAM DDR4 256GB SSD 8 Cores GPU Magic Keyboard with Touch ID & Magic Mouse 2 International Warranty Or equivalent		02		
	xxii. 12-Channel Digital Mixer & Multitrack Recorder Built-In 14-Track SD Recorder USB Audio Interface (iOS Compatible) 8 Mono Inputs + 2 Stereo Inputs Channels 1-2 Offer Hi-Z Inputs Phantom Power and -26 dB Pad Eight Channels of Compression Channel Strip with 3-Band EQ Low-Cut Filter and 16 Digital Effects 5 Headphone Outputs with Individual Mix Or equivalent		01		

	xxiii. Camera-Mount Wireless Combo Microphone System ME 2-II Omnidirectional Lav Mic Rugged Bodypack Transmitter Plug-On Transmitter for Handheld Mic Diversity Camera-Mount Receiver, 1680 Auto-Scan Frequencies Advanced Controls for Flexible Use Daylight-Readable Display 8-Hour AA Batteries Up to 12 Mics on Set / 330' Range Or equivalent		03		
	xxiv. 4K Supported HDMI Cables 2x HDMI Cable - 20 Meters 3x HDMI Cable - 5 Meters				
	xxv. 3-Pin XLR Connector (M-F) Pair Or equivalent		30		
	xxvi. Twisted Pair Microphone Cable Braided Copper Shield Flexible in Extreme Cold Weather Reduced Handling Noise Reject EMI and RFI		03		
	xxvii. Canare BNC Connector for L4.5 or equivalent		20		
	xxviii. Canare Boots for L 4.5 Connector Or equivalent		50		
	xxix. Dimmable Studio Lights 220W (Quad - 4x55W) with Tubes, C- Clamps, Spigots & Safety Chains Or equivalent		10		
	xxx. Parcan Light or equivalent		05		
	xxxi. 12 feet Light Extender Rod or equivalent		15		
	xxxii. 42U Broadcast Rack or equivalent		01		
	xxxiii. Twisted Pair Microphone Cable Braided Copper Shield Flexible in Extreme Cold Weather Reduced Handling Noise Reject EMI and RFI		03		



	<p>xxxiv. 48TB External Desktop Hard Drive (12TB x 4) 12TB Storage Capacity USB 3.0 Interface Includes AC Adapter 256-Bit AES Hardware Encryption Includes WD Backup Software Acronis True Image WD Edition Software Windows & Mac Compatible Or equivalent</p>		01		
	<p>xxxv. Audio Monitor 8" Near-Field Studio Monitor Bi-amplified 2-way system System type 2-way vented enclosure High Frequency Device 1" dome tweeter on elliptical waveguide Low Frequency Device 8" woofer with fiberglass reinforced cone Angular Coverage 90° H x 60° V HF Amplifier Continuous Power 45W Class AB LF Amplifier Continuous Power 75W Class AB Processing Analog Frequency Response 45 Hz - 20 kHz Max SPL 109 dB Connectors 1/4 JACK, XLR-F, RCA Controls LEVEL, HF ADJUST Construction Vinyl laminated MDF cabinet with ABS front Cabinet Colour Black Power Supply 230 VAC or 120 VAC 50/60 Hz with LINE VOLTAGE selector Or equivalent</p>		02		
	<p>xxxvi. 1x Camera-Mount Wireless Omni Lavalier Microphone System ME 2-II Omnidirectional Lav Mic Rugged Bodypack Transmitter Diversity Camera-Mount Receiver</p>		02		



	1680 Auto-Scan Frequencies Advanced Controls for Flexible Use Daylight-Readable Display 8-Hour AA Batteries Up to 12 Mics on Set / 330' Range 1x Transparent IFB Ear Piece Or equivalent				
	xxxvii. 3D Set Design, Website Designing, Website Hosting, Streaming Server		01		
	xxxviii. Installation Material (ducts, breakers, joints, sockets, flexible pipes, PDU, power cables, HDMI cables, VGA cables, USB cables, including 3 studio panels each panel 4 SDI 5 XLR option, 1 panel in PCR 12SDI 15XLR etc)		1 Job		



**11.0 Annexure-B Financial Proposal shall be part of Financial Proposal
(Price of each items should be provided)**

S #	Lot	Items	Qty	Unit Price Pak Rs (Inclusive of Taxes)	Total Cost Pak Rs (Inclusive of Taxes)
1.	a.	i. Studio Camera 4K Plus Micro Four Thirds Lens Mount Capture up to UHD 4K 3840 x 2160p60 7" High-Brightness HDR Touchscreen LCD HDMI Video Output Designed for ATEM Mini Record to External USB Type-C Disks Records Blackmagic RAW, up to 25,600 ISO 3.5mm Audio Input, Built-In Mics Built-In DaVinci Resolve Color Corrector Large Tally Light Light Carbon Fiber Polycarbonate Body Or equivalent	03		
		ii. Lumix G Vario 45-150mm f/4-5.6 ASPH. MEGA O.I.S. Lens Micro Four Thirds System 90-300mm (35mm Equivalent) Aperture Range: f/4 to f/22 One Ultra-High Refractive Index Element Two Aspherical Elements Multi-Coated Lens Elements Stepping AF Motor MEGA Optical Image Stabilizer Rounded 7-Blade Diaphragm Or equivalent	03		
		iii. Focus Demand with USB Cable For Studio 4K Plus and Studio 4K Pro Dual USB Connections Or equivalent	03		
		iv. Zoom Demand with USB Cable For Studio 4K Plus and Studio 4K Pro Dual USB Connections Speed Selector Start/Stop	03		



	Record Button Or equivalent			
	v. Matte Box with Rod. Or equivalent	02		
	vi. Tripod with Mid-Level Spreader 6.6 lb Capacity 65mm Half Ball Head Sliding Plate with 1/4"-20 Screw & Pin 27.8 to 59.3" Height Range Dual-Stage Legs with 65mm Bowl Fixed Counterbalance & Drag Independent Pan & Tilt Locks +90°/ -70° Tilt Range, 1.2" Slide Range Manfrotto & Sachtler Compatible Plate Mid-Level Spreader and Bubble Level Or equivalent	03		
	vii. Standard Dolly for 650-EX Tripods, 80 lb Load Capacity Individual Wheel Brakes Folds for Transport, Integrated Carry Handle Or equivalent	03		
	viii. Soft Carrying Case (Camera Dust Cover) Or equivalent	03		
	ix. OBS Studio (Open Source) or equivalent	01		
	x. Computers (HP/Dell/Lenovo) Tower Casing Intel Core – i7, 11 th Generation, (16 MB cache, 8 cores, 16 threads, 2.50 to 4.90 GHz Turbo, 65W) 16GB RAM – 2x 8GB DDR4 (2666 Mhz or higher) upto 32GB supported, HDD SATA= 1x 1TB SSD HARD DRIVE: 512 GB, M.2, Gen3 PCIe x4 NVMe, SSD, Class 40 Built-in 1 Gbps LAN Card. Optical Drive DVD+/-RW 9.5mm ODD: Yes Intel Integrated Graphics With Windows 11 or 10 Pro, External Sound Card: 5.1 PCIe channel output, 106db SNR and	02		



	<p>high –end 600-ohm HDMI Port(s): Yes HDMI Cables for Connecting Desktop with LED Operating System: DOS LEDs: LED Display: (24”) HDMI Port(s): Yes Keyboard, Mouse of same brand with standard accessories. Or equivalent</p>			
	xi. Graphic Card Nvidia 8GB DDR6 S+ Or equivalent	01		
	xii. Bluefish444 Epoch 4K Supernova Or equivalent	01		
	xiii. ATEM Mini Extreme ISO 8-Channel HDMI Live Streaming Switcher Supports up to 1080p60 RTMP Streaming via Ethernet or USB-C, Record Program Out and Individual Inputs 11-Input, 2-Channel Audio Mixer Input Frame Rate and Format Converter Re-Sync on All HDMI Inputs HD Multiview Output with up to 16 Views Local and Software Switching 4 x Upstream, 2 x Downstream Keyers Extreme Portable SSD - 1TB (included) Or equivalent	01		
	xiv. Nvidia 4GB 192bit DDR6 Graphic Card Or equivalent	01		
	xv. Bluefish444 Epoch 4K Supernova S+ Or equivalent	01		
	xvi. Cardioid Handheld Dynamic Microphone Dynamic, Cardioid Polar Pattern Rugged Metal Body Includes Mic Clip and Pouch Or equivalent	01		



	xvii. LEDs (55-inch) Samsung/LG/Sony Original with wall mount bracket, HDMI cable (10 metres) and installation at the site with the power installation where required. OR equivalent	03		
	xviii. LEDs (32-inch) Samsung/LG/Sony Original with wall mount bracket, HDMI cable (10 metres) and installation at the site with the power installation where required. OR equivalent	04		
	xix. DP to HDMI Converter Or equivalent	02		
	xx. 8-Port Gigabit Desktop Switch Or equivalent	01		
	xxi. 24-inch 4.5K Retina Display M1 Chip with 8 Core CPU 8GB RAM DDR4 256GB SSD 8 Cores GPU Magic Keyboard with Touch ID & Magic Mouse 2 International Warranty Or equivalent	02		
	xxii. 12-Channel Digital Mixer & Multitrack Recorder Built-In 14-Track SD Recorder USB Audio Interface (iOS Compatible) 8 Mono Inputs + 2 Stereo Inputs Channels 1-2 Offer Hi-Z Inputs Phantom Power and -26 dB Pad Eight Channels of Compression Channel Strip with 3-Band EQ Low-Cut Filter and 16 Digital Effects 5 Headphone Outputs with Individual Mix Or equivalent	01		
	xxiii. Camera-Mount Wireless Combo Microphone System ME 2-II Omnidirectional Lav Mic Rugged Bodypack Transmitter Plug-On Transmitter for Handheld Mic Diversity Camera-Mount Receiver,	03		



	1680 Auto-Scan Frequencies Advanced Controls for Flexible Use Daylight-Readable Display 8-Hour AA Batteries Up to 12 Mics on Set / 330' Range Or equivalent			
	xxiv. 4K Supported HDMI Cables 2x HDMI Cable - 20 Meters 3x HDMI Cable - 5 Meters			
	xxv. 3-Pin XLR Connector (M-F) Pair Or equivalent	30		
	xxvi. Twisted Pair Microphone Cable Braided Copper Shield Flexible in Extreme Cold Weather Reduced Handling Noise Reject EMI and RFI	03		
	xxvii. Canare BNC Connector for L4.5 or equivalent	20		
	xxviii. Canare Boots for L 4.5 Connector Or equivalent	50		
	xxix. Dimmable Studio Lights 220W (Quad - 4x55W) with Tubes, C-Clamps, Spigots & Safety Chains Or equivalent	10		
	xxx. Parcan Light or equivalent	05		
	xxxi. 12 feet Light Extender Rod or equivalent	15		
	xxxii. 42U Broadcast Rack or equivalent	01		
	xxxiii. Twisted Pair Microphone Cable Braided Copper Shield Flexible in Extreme Cold Weather Reduced Handling Noise Reject EMI and RFI	03		
	xxxiv. 48TB External Desktop Hard Drive (12TB x 4) 12TB Storage Capacity USB 3.0 Interface Includes AC Adapter 256-Bit AES Hardware Encryption Includes WD Backup Software	01		



	Acronis True Image WD Edition Software Windows & Mac Compatible Or equivalent			
	xxxv. Audio Monitor 8" Near-Field Studio Monitor Bi-amplified 2-way system System type 2-way vented enclosure High Frequency Device 1" dome tweeter on elliptical waveguide Low Frequency Device 8 woofer with fiberglass reinforced cone Angular Coverage 90° H x 60° V HF Amplifier Continuous Power 45W Class AB LF Amplifier Continuous Power 75W Class AB Processing Analog Frequency Response 45 Hz - 20 kHz Max SPL 109 dB Connectors 1/4 JACK, XLR-F, RCA Controls LEVEL, HF ADJUST Construction Vinyl laminated MDF cabinet with ABS front Cabinet Colour Black Power Supply 230 VAC or 120 VAC 50/60 Hz with LINE VOLTAGE selector Or equivalent	02		
	xxxvi. 1x Camera-Mount Wireless Omni Lavalier Microphone System ME 2-II Omnidirectional Lav Mic Rugged Bodypack Transmitter Diversity Camera-Mount Receiver 1680 Auto-Scan Frequencies Advanced Controls for Flexible Use Daylight-Readable Display 8-Hour AA Batteries Up to 12 Mics on Set / 330' Range 1x Transparent IFB Ear Piece Or equivalent	02		



		xxxvii. 3D Set Design, Website Designing, Website Hosting, Streaming Server	01		
		xxxviii. Installation Material (ducts, breakers, joints, sockets, flexible pipes, PDU, power cables, HDMI cables, VGA cables, USB cables, including 3 studio panels each panel 4 SDI 5 XLR option, 1 panel in PCR 12SDI 15XLR etc)	1 Job		

Grand Total (For complete project): Rs.

Grand Total (For complete project): In words.





12.0 Annexure - C: Firm's References

(To be attach with Technical Proposal)

**Relevant Services Carried Out in the Last Two Years (Minimum)
That Best Illustrate Qualifications**

List of Project with copy of completion certificate.



13.0 Annexure - D: Technical Evaluation Criteria

Weight of the Technical Scoring is 100% and Breakup is given below.

Technical Evaluation			Maximum 80 Marks
S. #	Technical Evaluation	Total Marks	Marks Obtained
1.	Firms past 02 years experienced in the relevant field.	20	Must attach Documentary proof 05 Years and above = 20 Marks 04 Years = 15 Marks 03 Years = 10 Marks 02 Years = 05 Marks Less than 2 years = 0 Marks (Zero marks means technically disqualified)
2.	State of Technical Human Resource	10	Two or more Broadcast Engineer = 4 Marks One Broadcast Engineer = 2 Marks Two or more Broadcast Technician = 4 Marks One Broadcast Engineer = 2 Marks Power Distribution Technician = 2 Marks
3.	Vendor's presence for Technical Support Services	20	Must attach Documentary proof Head office in Islamabad/ Rawalpindi = 20 Branch Office in Islamabad/ Rawalpindi with technical team plus Head office in Pakistan = 10
4.	Filled Technical Sheet Attached (Annex-A) with reference Page Number	10	Fulfill the requirement
5.	Project completed in last one year amounting Rs; 2.5 Million	20	Projects: 5 and above = 20 Marks 4 = 16 Marks 3 = 12 Marks 2 = 08 Marks 1 = 04 Marks
Total		80	
* However, supporting documents should be provided along with Technical proposal			





14.0 Annexure - E: Specimen for Affidavit

(To be attach with Technical Proposal)

From:

To,

NATIONAL UNIVERSITY OF MODERN LANGUAGES H-9, Islamabad

Subject: Affidavit

1. We, M/s _____ having our office at _____

hereby undertake that as a result of contract between us and NATIONAL UNIVERSITY OF MODERN LANGUAGES for the Supply, Installation, Testing and Commissioning of **Establishment of TV Studio at NUML and its operational** if any conflict / dispute arises regarding the execution of work, we shall not resort to any court of law. The dispute / difference, if any, shall be settled as per relevant clauses of the tender document issued by NATIONAL UNIVERSITY OF MODERN LANGUAGES vide No. _____ dated _____ 2022.

2. We, M/s _____ is not black listed by any Government/Semi Government Organization in Pakistan.

Authorized Signature

M/S _____

Dated _____





15.0 Annexure - F: Proposal Submission Form

PROPOSAL SUBMISSION FORM

(To be attach with Technical Proposal)

The Director IT
National University of Modern Languages,
H-9, Islamabad

Sir

We, the undersigned, offer to provide the services For “Supply, Installation, Testing and Commissioning of **Establishment of TV Studio at NUML and its operational**” in accordance with your Tender Document Dated _____, and our Proposal. We are hereby submitting our Proposal, which includes this Technical proposal, and a financial proposal sealed under separate envelopes.

We understand you are not bound to accept any Proposal you receive and reserves the right to accept or reject any offer and to annul the bidding process and reject all proposals without assigning any reason or having to owe any explanation whatsoever.

The decision of evaluating committee shall be final and cannot be challenged on any ground at any forum and the evaluating committee will not be liable for any loss or damage to any party acting in reliance thereon.

We remain,

Yours' sincerely

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

