

# CORRIGENDUM PPRA No.TS564031E

Tender NOTICE No. CUI/Proc/TN-630/06-2025

Due date: June 19, 2025, at 11:00AM

Tender Title: Supply & Installation of Sound System for Seminar Hall

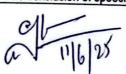
This corrigendum is made public in partial modification of the above referred CUI tender Notice uploaded on PPRA website.

2. In subject tender document the minor modification regarding item description has been made in the BoQ. Detail is as under;

S.#	Items Specifications	Qty	Revised/Modified Items Specification	Revis ed Qty
1	Digital 16 Channel Audio Mixer Console 8-12 mono [MIC/LINE] + 2 stereo channel USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX PEAK LED turns on when post EQ signal reaches 3 dB below clipping level. Built-in Effect SPX Algorithm Individual phantom power 48V Channel and master meters Per channel pre/post fader aux switching dust protected faders 2-Track monitoring and reply to LR Headphones and local monitor outputs Dedicated stereo, peak-retaining monitor meters Electronically balanced XLR outputs graphic EQ Internal power supply Metal jacks, gold-plated XLRS, sealed pots and switches	01	Digital 16 Channel Audio Mixer Console Frequency Response Input to STEREO OUT: +0.5 dB/-1.5 dB (20 Hz to 48 kHz), refer to the nominal output level @ 1 kHz, GAIN knob: Min Total Harmonic Distortion (THD+N) Input to STEREO OUT: 0.03 % @ +14 dBu (20 Hz to 20 kHz), GAIN knob: Min 0.005 % @ +24 dBu (1 kHz), GAIN knob: Min 0.005 % @ +24 dBu (1 kHz), GAIN knob: Min Hum & Noise *1 (20 Hz to 20 kHz) Equivalent Input Noise: -128 dBu (Mono Input Channel, Rs: 150 Ω, GAIN knob: Max) Residual Output Noise: -102 dBu (STEREO OUT, STEREO master fader: Min) Crosstalk (1 kHz) *2: -78 dB Input Channels: 16 channels: Mono [MIC/LINE]: 8, Mono/Stereo [MIC/LINE]: 2, Stereo [LINE]: 2 Output Channels: STEREO OUT: 2, PHONES: 1, MONITOR OUT: 1, AUX SEND: 4, GROUP OUT: 4 Bus: STEREO: 1, GROUP: 4, AUX: 4 (MG16XU/MG16X: incl. FX) (Registered brand or well-known brand)	01



	One Year Official Warranty			
2	Professional wired Desktop Gooseneck Microphone  Capsule type Condenser Frequency Response 40Hz-16kHz Polar Pattern Super Cardioid Output impedance (Ohm) 75 Sensitivity -42dB Phantom Power 48V	06	GOOSENECK MICROPHONE Frequency response: 40Hz-16kHz Directional: Hypercardioid Output Impedance: 75Ω Sensitivity: -40dB Power Supply: DC3V Phantastron 48V (Registered brand or well-known brand)	06
3	Professional Active Speakers Professional active speakers to add extra bass with wall mount and floor stand Upto 60W or higher 119dB Max SPL 70Hz-20kHz frequency response Custom Heavy-duty moisture-proof Proprietary 90° x 60° Elliptical Wave Guide Horn design High-end Titanium HF Compression Driver One Year Official Warranty	02	WALLMOUNT SPEAKER  100v line speaker in ABS. HP 3.5" + Tweeter 0.5".  30W amplifier under 8 Ohms recommended. Integrated 100v 1/2/4/4/7.5/15W line transformer. Bandwidth 100Hz-15kHz. Spl max 100dB. Euroblock entry. (Registered brand or well-known brand)	04
4	Mixer Audio Power Amplifier Mixer amplifiers are rated at 350W or above 3 microphone inputs and 2 aux inputs Bass and treble controls and master volume controls are provided 70V/100V & 4-16 2 flexible speaker output One Year Official Warranty	01	AMPLIFIER  2 microphone inputs with phantom power supply (XLR). MIC 1 with automatic precedence function (VOX) & threshold adjustment control Microphone input (XLR) with phantom power supply or RJ45 for connecting up to 6 MBT 1101 microphone stations (maximum distance 200 m) MIC/PH/LINE input with associated selector switch 2 auxiliary inputs for sound sources (TAPE/CD) Telephone/emergency audio input for priority calls with adjustable threshold and sensitivity Front-panel level control for each mmicrophone and auxiliary input Front panel overall volume control/treble/bass controls Constant voltage (50/70/100V) or 8 Ohm impedance loudspeaker line output Auxiliary line output LED-type Vu meter for immediate monitoring of ourput power Microswitches for setting priorities and input functions	01



	Profoccional O. III		microphone inputs Contacts for activating input precedence Alerting signal (chime) with level control Selectable 230/115 VAC and 24 VDC mains power supply Weight: 9kg (Registered brand or well-known brand)	
5	Professional Ceiling speaker  40W coaxial frame-less ceiling speaker is a coaxial two-frequency ceiling speakers Rated power: 35W Rated voltage: 70V/100V Sensitivity: 86±3dB SPL: 101±3dB Frequency response: 55Hz-20KHz One Year Official Warranty	Upto 08	CEILING SPEAKER Rated power: 6 W Adjustable power: 6-3 W Characteristics: ABS body, metal front grille Loudspeakers: 1 two-con broadband SPL sound pressure level (Pnom/1m): 100 dB Efficiency (1W, 1m): 93 dB Frequency response: 100/15.000 Hz Dispersion angle @2kHz: 150° Mounting hole: Ø 150 mm Colour: White (RAL9016) Dimensions: Ø175 x 60 mm Net weight: 0,5 kg (Registered brand or well-known brand)	08
6	UHF Based Wireless Microphones dual Set/ induvial unit  Frequency range: 500MHz- 900MHz Three hand held plus two collar mic Set or induvial sets Modulation model: FM Frequency stability: ±0.005% Channels: up to 200 channels preset Dynamic range: 260dB Frequency response: 50Hz 15KHz±3dB Distortion <0.3% (1 KHz) Sensitivity: 12dBµV (80db S/N Transmitting power: 8mW Noise reduction: -60dB Microphone capsule: dynamic One Year Official Warranty	Three hand held plus two collar mic Set or induvial sets	Audio Distortion: <0.5%	02

			2.12	02
	• • • • • • • • • • • • • • • • • • • •		Part B WIRELESS MICROPHONE HANDHELD + HEADGEAR Frequency Range: 558-598MHz Signal-to-Noise Ratio: >100dB Response dynamic range: >106db Modulation Mode: Analog Stray Radiation: <-60dbc Working Distance: 50-80 meters Frequency Response: 20HZ-18KHZ Audio Distortion: <0.5% Working Mode: <100ma Frequency Stability: ±0.005% Receiver: Oscillation Mode: KT module Receiving Sensitivity: 5dBuV Illusion Interference Ratio: >80db Power Supply Mode: DC15-17V Antenna Access: BNC/500 Channel Interference Ratio: >80db Signal-to-Noise Ratio: >100dB Power Consumption: 2 Watt (Registered brand or well-known brand)	
7	Professional 2-Input 8-Output Distribution Splitter  Professional audio splitter distributes 1 or 2 audio sources in up to 8 directions The machine has wide frequency response characteristics and maintains the original sound effect. Choose between 1-in/8-out or 2 in/4 out for mono or stereo operation Rotary Level control and 5-segment LED activity meter for each channel Separate outputs for daisy-chaining units All XLR input/output connectors are gold-plated for exceptional signal clarity One Year Official Warranty	01	AUDIO DISTRIBUTOR 2 INPUT, 8 OUTPUT Input A / B: XLR, balanced Input impedance: $10 \text{ k}\Omega$ balanced, $6.6 \text{ k}\Omega$ unbalanced Max. input level: $+21 \text{ dBu}$ CMRR: $64 \text{ dB}$ typ. @ 1 kHz Link A / B: XLR, balanced Output $1-8$ : XLR, balanced Max. output level: $+28 \text{ dBu}$ Frequency response: $10 \text{ Hz}$ to $75 \text{ kHz}$ ( $\pm 3 \text{ dB}$ ) Dynamic range: $117 \text{ dB}$ Distortion (THD): $0.001\%$ typ. @ $+4 \text{ dBu}$ , $1 \text{ kHz}$ , Gain 1 Crosstalk: < $-77 \text{ dB}$ @ $1 \text{ kHz}$ Signal-to-noise ratio: $20 \text{ Hz}$ to $20 \text{ kHz}$ , > $97 \text{ dB}$ @ $0 \text{ dBu}$ Function Controls / Switches Output level: $-\infty$ + $15 \text{ dB}$ , variable Mode: $1-8/2-4$ , switchable Displays Power ON: LED indicator Output level: $5-6 \text{ digit}$ LED display: $sig/-24/-12/0/clip$ Mode: Status LED Indicator (Registered brand or well-known brand)	01





8	Input Voltage Range: 165V - 275V Output Voltage Range: 220V ± 10% Output Frequency: 50Hz/60Hz ± 1% Transfer Time: <4ms Battery Type: Built-in Sealed, Maintenance-free Lead Acid Battery Backup Time: up to 10 minutes (depending on the load) Alarm: Battery mode, Low battery, Overload, Fault Stimulated Sinewave Surge/overload Protection. Zero distortion for connected audio system when on battery mode One Year Official Warranty	01	Input Voltage Range: 165V - 275V Output Voltage Range: 220V ± 10% Output Frequency: 50Hz/60Hz ± 1% Transfer Time: <4ms Battery Type: Built-in Sealed, Maintenance-free Lead Acid Battery Backup Time: up to 10 minutes (depending on the load) Alarm: Battery mode, Low battery, Overload, Fault Stimulated Sinewave Surge/overload Protection. Zero distortion for connected audio system when on battery mode One Year Official Warranty (Registered brand or well-known brand)	01
9	Lockable Rack cabinet for Audio system (mixer/amplifier microphones etc) and UPS	01	Lockable Rack cabinet for Audio system (mixer/amplifier microphones etc) and UPS (Registered brand or well-known brand)	01
10	Installation Turnkey Installation and commissioning of complete sound system including Cables (professional pure coper audio and power etc.), connectors, junction box, ducting, cabling etc. for conference system, speaker and UPS etc.	01 Job	Installation of Complete System with cabling and accessories Turnkey Installation and commissioning of complete sound system including Cables (professional pure coper audio and power etc.), connectors, junction box, ducting, cabling etc. for conference system, speaker and UPS etc.	01 Job

3. This corrigendum becomes integral part of the CUI tender document and other terms and conditions and quantities of BoQ will remain same of subject Advertisement.

In-charge Procurement

COMSATS University Islamabad 2nd Floor, Faculty Block-2, Park Road, Tarlai Kalan, Islamabad Ph # 051-90495122, 5154.

#### 1. Tender Notice

# COMSATS University Islamabad CUI-Proc/(TN-630/06/2025

# Supply & Installation of Sound System for Seminar Hall

- COMSATS University Islamabad (CUI), a Public Sector University invites Bids through e-Pak Acquisition
  & Disposal System (EPADS) <a href="https://eprocure.gov.pk">https://eprocure.gov.pk</a> on "Single-Stage Two-Envelope" method
  from Income Tax & GST registered Firms/Companies who are on the Active Taxpayer List (ATL) for
  General Sales Tax and Income Tax of FBR.
- 2. The Bid Security for the Bid is Rs.50,000/- in the form of Call Deposit/Bank Draft (refundable) drawn in favor of "COMSATS University Islamabad" (FTN/NTN: 9013701-9); scanned copy of which is required to be uploaded through EPADS and hard copy must be submitted physically along with hard-copy of sealed bidding document on the closing date & time of the tender to COMSATS University Islamabad on the address given below.
- 3. The complete Tendering process shall be carried out through EPADS.
- 4. Interested bidders are requested to register themselves on the EPADS <a href="https://eprocure.gov.pk">https://eprocure.gov.pk</a> and submit their tender documents on EPADS.
- 5. For registration and guidance/training on EPADS, you may contact EPADS UAN: 051-111-137-237.
- 6. Closing date of submission is <u>June 18, 2025. by 1100 hours</u>. The bids shall be opened <u>half hour after the closing time</u> in the presence of the bidders who wish to be present, in Room No. G-6/G-8, Ground Floor, Faculty Block-I, COMSATS University Islamabad.
- As per PPRA Rule 33, CUI may reject all bids or proposals at any time prior to the acceptance of a bid or proposal.

#### **Contact Person and Submission**



In-Charge Procurement
COMSATS University Islamabad

2nd Floor, Faculty Block-II, Park Road, Tarlai Kalan, Islamabad, Tel: 0336-5524334, 051-90495242, 051-9049-5154, 051-9049-5122

Email: wajidkamran@comsats.edu.pk

Signature	& Seal of	the Bidder

# **Tender Document**

# Supply & Installation of Sound System for Seminar Hall



# COMSATS University Islamabad Park Road, Islamabad

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#### 1. Tender Notice

# **COMSATS University Islamabad**

CUI-Proc/(TN-630/06/2025

# Supply & Installation of Sound System for Seminar Hall

- COMSATS University Islamabad (CUI), a Public Sector University invites Bids through e-Pak Acquisition & Disposal System (EPADS) <a href="https://eprocure.gov.pk">https://eprocure.gov.pk</a> on "Single-Stage Two-Envelope" method from Income Tax & GST registered Firms/Companies who are on the Active Taxpayer List (ATL) for General Sales Tax and Income Tax of FBR.
- 2. The Bid Security for the Bid is Rs.50,000/- in the form of Call Deposit/Bank Draft (refundable) drawn in favor of "COMSATS University Islamabad" (FTN/NTN: 9013701-9); scanned copy of which is required to be uploaded through EPADS and hard copy must be submitted physically along with hard-copy of sealed bidding document on the closing date & time of the tender to COMSATS University Islamabad on the address given below.
- 3. The complete Tendering process shall be carried out through EPADS.
- 4. Interested bidders are requested to register themselves on the EPADS <a href="https://eprocure.gov.pk">https://eprocure.gov.pk</a> and submit their tender documents on EPADS.
- 5. For registration and guidance/training on EPADS, you may contact EPADS UAN: 051-111-137-237.
- 6. Closing date of submission is <u>June 19, 2025.</u> by 1100 hours. The bids shall be opened <u>half hour after the closing time</u> in the presence of the bidders who wish to be present, in Room No. G-6/G-8, Ground Floor, Faculty Block-I, COMSATS University Islamabad.
- 7. As per PPRA Rule 33, CUI may reject all bids or proposals at any time prior to the acceptance of a bid or proposal.

#### **Contact Person and Submission**



In-Charge Procurement

# **COMSATS University Islamabad**

2nd Floor, Faculty Block-II, Park Road, Tarlai Kalan, Islamabad, Tel: 0336-5524334, 051-90495242, 051-9049-5154, 051-9049-5122

Email: wajidkamran@comsats.edu.pk

# 2. Key Points

## Table #1

S.N	Detail	Specification	
1.	Validity of Bid	60 Days from the date of Closing of Bids	
2.	Award of Contract / W.O	Item Wise Basis	
3.	Supply/work completion	02 Weeks the date of issuance of W.O	
4.	Method	Single Stage Two Envelope	
5.	Closing Date & Time	June 19, 2025, by 1100 hours	
6.	Opening Date & Time	Half Hour after the Closing Time on the same day	
7.	Bid Security Amount (Under Rule 25 of PPRA Rules 2004)	Rs.50,000 /- (Refundable)	
8.	Delivery Location (Arrangement of Labor included in the cost)	Store Section entry through Gate 1, behind Main Library Building. The Store (Mr. Noor Wali 051-9049-6035)	

## 3. Technical Evaluation Criteria:

# **Table # 2: Mandatory Requirements:**

	Detail	Criteria	Envelope
1.	Financial Bid / Quotation (Strictly as per CUI pattern)  Any alteration/addition/deletion shall dis-qualify the bidder from the bidding process	Mandatory	Financial Bid
2.	Draft of Bid Security (To be Physically Submitted to Purchase Section on the Closing Date)	Mandatory	
3.	Declaration Form	Mandatory	
4.	Active Taxpayer List (ATL) of FBR Status as "Active" in I.T and Compliance Level is 100% in GST	Mandatory	Technical Bid
5.	Certificate of non-blacklisting:  Affidavit on legal paper of appropriate value (duly attested from notary public) OR letterhead that the firm/company is neither blacklisted nor in litigation with any public sector client	Mandatory	
6.	Compliance with CUI requirement/Specification Blank technical sheet shall be treated as non-compliance and may result rejection of tender / bid	Mandatory	
7.	Professional Experience List of 3 executed/ similar contracts of over Rs.500,000/-each for Different Clients in the last 5 Year (attached proof is mandatory).	Mandatory	
8.	Submission of Tender document through EPADS as well as one hard copy (Technical Bid Envelope, Financial Bid Envelope, Bid Security as per prescribed time in the tender notice).	Mandatory	
9.	Warranty Certificate: As per Manufacturer Warranty	Mandatory	

- Failing in any of the mandatory requirement shall disqualify the bidder from the bidding process.
- After evaluation of bidders in technical evaluation process, financial bids of technically qualified bidders shall be only opened later on prior notice.
- DO NOT attach any information or portfolio which is not requested. Only provide the demanded information.

# 4. FINANCIAL PROPOSAL

(On Company's Letterhead)

Ref No:	NTN:
Date:	GST:

**Supply & Installation of Sound System for Seminar Hall** 

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SN	Specification	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
1.	<ul> <li>Digital 16 Channel Audio Mixer Console</li> <li>8-12 mono [MIC/LINE] + 2 stereo channel</li> <li>USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit</li> <li>STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX</li> <li>PEAK LED turns on when post EQ signal reaches 3 dB below clipping level.</li> <li>Built-in Effect SPX Algorithm</li> <li>Individual phantom power 48V</li> <li>Channel and master meters</li> <li>Per channel pre/post fader aux switching</li> <li>dust protected faders</li> <li>2-Track monitoring and reply to LR</li> <li>Headphones and local monitor outputs</li> <li>Dedicated stereo, peak-retaining monitor meters</li> <li>Electronically balanced XLR outputs</li> <li>graphic EQ</li> </ul>	01				
	<ul> <li>Internal power supply</li> <li>Metal jacks, gold-plated XLRS, sealed pots and switches</li> <li>One Year Official Warranty</li> <li>Professional wired Desktop Gooseneck Microphone</li> </ul>					
2.	<ul><li>Capsule type Condenser</li><li>Frequency Response 40Hz-16kHz</li></ul>	06				

	Polar Pattern Super Cardioid			
	• Output impedance (Ohm) 75			
	• Sensitivity -42dB			
	• Phantom Power 48V			
	Professional Active Speakers			
3.	<ul> <li>Professional active speakers to add extra bass with wall mount and floor stand</li> <li>Upto 60W or higher</li> <li>119dB Max SPL</li> <li>70Hz-20kHz frequency response</li> <li>Custom Heavy-duty moisture-proof</li> <li>Proprietary 90° x 60° Elliptical Wave Guide Horn design</li> <li>High-end Titanium HF Compression Driver</li> <li>One Year Official Warranty</li> </ul>	02		
	Mixer Audio Power Amplifier			
4.	<ul> <li>Mixer amplifier is rated at 350W or above</li> <li>3 microphone inputs and 2 aux inputs</li> <li>Bass and treble controls and master volume control are provided</li> <li>70V/100V &amp; 4-16 2 flexible speaker output</li> <li>One Year Official Warranty</li> </ul>	01		
	Professional Ceiling speaker			
5.	<ul> <li>40W coaxial frame-less ceiling speaker is a coaxial two-frequency ceiling speakers</li> <li>Rated power: 35W</li> <li>Rated voltage: 70V/100V</li> <li>Sensitivity: 86±3dB</li> <li>SPL: 101±3dB</li> <li>Frequency response: 55Hz-20KHz</li> <li>One Year Official Warranty</li> </ul>	Upto 08		
	UHF Based Wireless Microphones dual Set/	Three		
6.	<ul> <li>induvial unit</li> <li>Frequency range: 500MHz- 900MHz</li> <li>Three hand held plus two collar mic Set or induvial sets</li> <li>Modulation model: FM</li> <li>Frequency stability: ±0.005%</li> <li>Channels: up to 200 channels preset</li> <li>Dynamic range: 260dB</li> </ul>	hand held plus two collar mic Set or induvi		

	• Frequency response: 50Hz 15KHz±3dB	al		
	• Distortion <0.3% (1 KHz)	sets		
	• Sensitivity: 12dBµV (80db S/N			
	• Transmitting power: 8mW			
	Noise reduction: -60dB			
	Microphone capsule: dynamic			
	<ul> <li>One Year Official Warranty</li> </ul>			
	Professional 2-Input 8-Output Distribution			
	Splitter			
	<ul> <li>Professional audio splitter distributes 1 or</li> </ul>			
	2 audio sources in up to 8 directions			
	The machine has wide frequency			
	response characteristics and maintains the			
	original sound effect.			
7.	• Choose between 1-in/8-out or 2 in/4 out	01		
	for mono or stereo operation			
	<ul> <li>Rotary Level control and 5-segment LED</li> </ul>			
	activity meter for each channel			
	<ul> <li>Separate outputs for daisy-chaining units</li> </ul>			
	<ul> <li>All XLR input/output connectors are</li> </ul>			
	gold-plated for exceptional signal clarity			
	<ul> <li>One Year Official Warranty</li> </ul>			
	UPS 2KVA Pure Sine Wave			
	• Input Voltage Range: 165V - 275V			
	<ul> <li>Output Voltage Range: 220V ± 10%</li> </ul>			
	<ul> <li>Output Frequency: 50Hz/60Hz ± 1%</li> </ul>			
	• Transfer Time: <4ms			
	<ul> <li>Battery Type: Built-in Sealed,</li> </ul>			
	Maintenance-free Lead Acid Battery			
8.	<ul> <li>Backup Time: up to 10 minutes</li> </ul>	01		
0.	(depending on the load)	U I		
	<ul> <li>Alarm: Battery mode, Low battery,</li> </ul>			
	Overload, Fault			
	<ul> <li>Stimulated Sinewave</li> </ul>			
	• Surge/overload Protection.			
	<ul> <li>Zero distortion for connected audio</li> </ul>			
	system when on battery mode			
	<ul> <li>One Year Official Warranty</li> </ul>			
9.	Lockable Rack cabinet for Audio system	01		
J.	(mixer/amplifier microphones etc) and UPS	01		
	Installation			
10.	Turnkey Installation and commissioning of	01 Job		
	complete sound system including Cables			
	(professional pure coper audio and power etc.),			

, , ,	Total	l Cost (I	nclusive o	f GST)	
conference system, speaker and UPS etc.					
connectors, junction box, ducting, cabling etc. for					

- The bid is submitted without any conditions.
- All the terms and conditions set forth by COMSATS University Islamabad in this tender are acceptable unconditionally, including bid validity, delivery time.

Name of Authorized Person:	
Date:	
Signature	
·	
Official Company Seal:	

# 5. Technical Compliance Performa

(On Company's Letterhead)

Ref No:	NTN:	
Date:	GST:	

# **Supply & Installation of Sound System for Seminar Hall**

	Brand Name		Non	Haban
Specification		Compliance	Compliance	Higher if any
Digital 16 Channel Audio Mixer Console  8-12 mono [MIC/LINE] + 2 stereo channel  USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit  STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX  PEAK LED turns on when post EQ signal reaches 3 dB below clipping level.  Built-in Effect SPX Algorithm  Individual phantom power 48V  Channel and master meters  Per channel pre/post fader aux switching  dust protected faders  2-Track monitoring and reply to LR  Headphones and local monitor outputs  Dedicated stereo, peak-retaining monitor meters  Electronically balanced XLR outputs  graphic EQ  Internal power supply  Metal jacks, gold-plated XLRS, sealed pots and switches	any			
	<ul> <li>8-12 mono [MIC/LINE] + 2 stereo channel</li> <li>USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit</li> <li>STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX</li> <li>PEAK LED turns on when post EQ signal reaches 3 dB below clipping level.</li> <li>Built-in Effect SPX Algorithm</li> <li>Individual phantom power 48V</li> <li>Channel and master meters</li> <li>Per channel pre/post fader aux switching</li> <li>dust protected faders</li> <li>2-Track monitoring and reply to LR</li> <li>Headphones and local monitor outputs</li> <li>Dedicated stereo, peak-retaining monitor meters</li> <li>Electronically balanced XLR outputs</li> <li>graphic EQ</li> <li>Internal power supply</li> <li>Metal jacks, gold-plated XLRS, sealed</li> </ul>	Digital 16 Channel Audio Mixer Console  • 8-12 mono [MIC/LINE] + 2 stereo channel  • USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit  • STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX  • PEAK LED turns on when post EQ signal reaches 3 dB below clipping level.  • Built-in Effect SPX Algorithm  • Individual phantom power 48V  • Channel and master meters  • Per channel pre/post fader aux switching  • dust protected faders  • 2-Track monitoring and reply to LR  • Headphones and local monitor outputs  • Dedicated stereo, peak-retaining monitor meters  • Electronically balanced XLR outputs  • graphic EQ  • Internal power supply  • Metal jacks, gold-plated XLRS, sealed pots and switches	Digital 16 Channel Audio Mixer Console  • 8-12 mono [MIC/LINE] + 2 stereo channel  • USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit  • STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX  • PEAK LED turns on when post EQ signal reaches 3 dB below clipping level.  • Built-in Effect SPX Algorithm  • Individual phantom power 48V  • Channel and master meters  • Per channel pre/post fader aux switching  • dust protected faders  • 2-Track monitoring and reply to LR  • Headphones and local monitor outputs  • Dedicated stereo, peak-retaining monitor meters  • Electronically balanced XLR outputs  • graphic EQ  • Internal power supply  • Metal jacks, gold-plated XLRS, sealed pots and switches	Digital 16 Channel Audio Mixer Console  8-12 mono [MIC/LINE] + 2 stereo channel  USB Duplex Audio Class 2.0 compliant Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit  STEREO OUT: PHONES, MONITOR OUT, AUX SEND, GROUP, AUX incl. FX  PEAK LED turns on when post EQ signal reaches 3 dB below clipping level.  Built-in Effect SPX Algorithm Individual phantom power 48V  Channel and master meters  Per channel pre/post fader aux switching  dust protected faders  2-Track monitoring and reply to LR  Headphones and local monitor outputs  Dedicated stereo, peak-retaining monitor meters  Electronically balanced XLR outputs  graphic EQ  Internal power supply  Metal jacks, gold-plated XLRS, sealed pots and switches

	Professional wired Desktop Gooseneck Microphone	
	Capsule type Condenser	
2	Frequency Response 40Hz-16kHz	
_	Polar Pattern Super Cardioid	
	Output impedance (Ohm) 75	
	Sensitivity -42dB	
	Phantom Power 48V	
	Professional Active Speakers	
	Professional active speakers to add	
	extra bass with wall mount and	
	floor stand	
	• Upto 60W or higher	
	• 119dB Max SPL	
3	• 70Hz-20kHz frequency response	
	<ul> <li>Custom Heavy-duty moisture-proof</li> <li>Proprietary 90° x 60° Elliptical</li> </ul>	
	Wave Guide Horn design	
	High-end Titanium HF	
	Compression Driver	
	One Year Official Warranty	
	Mixer Audio Power Amplifier	
	<ul> <li>Mixer amplifier is rated at 350W or</li> </ul>	
	above	
	• 3 microphone inputs and 2 aux	
4	inputs	
	Bass and treble controls and master	
	volume control are provided	
	• 70V/100V & 4-16 2 flexible speaker	
	output  One Year Official Warranty	
	Professional Ceiling speaker	
	• 40W coaxial frame-less ceiling	
	speaker is a coaxial two-frequency	
	ceiling speakers	
5	• Rated power: 35W	
	• Rated voltage: 70V/100V	
	• Sensitivity: 86±3dB	
	• SPL: 101±3dB	
	• Frequency response: 55Hz-20KHz	
	One Year Official Warranty	

	UHF Based Wireless Microphones dual Set/ induvial unit	
6	<ul> <li>Frequency range: 500MHz-900MHz</li> <li>Three hand held plus two collar mic Set or induvial sets</li> <li>Modulation model: FM</li> <li>Frequency stability: ±0.005%</li> <li>Channels: up to 200 channels preset</li> <li>Dynamic range: 260dB</li> <li>Frequency response: 50Hz 15KHz±3dB</li> <li>Distortion &lt;0.3% (1 KHz)</li> <li>Sensitivity: 12dBµV (80db S/N</li> <li>Transmitting power: 8mW</li> <li>Noise reduction: -60dB</li> <li>Microphone capsule: dynamic</li> </ul>	
7	<ul> <li>One Year Official Warranty</li> <li>Professional 2-Input 8-Output</li> <li>Distribution Splitter</li> <li>Professional audio splitter distributes 1 or 2 audio sources in up to 8 directions</li> <li>The machine has wide frequency response characteristics and maintains the original sound effect.</li> <li>Choose between 1-in/8-out or 2 in/4 out for mono or stereo operation</li> <li>Rotary Level control and 5-segment LED activity meter for each channel</li> <li>Separate outputs for daisy-chaining units</li> <li>All XLR input/output connectors are gold-plated for exceptional signal clarity</li> </ul>	
8	<ul> <li>One Year Official Warranty</li> <li>UPS 2KVA Pure Sine Wave</li> <li>Input Voltage Range: 165V - 275V</li> <li>Output Voltage Range: 220V ± 10%</li> <li>Output Frequency: 50Hz/60Hz ± 1%</li> <li>Transfer Time: &lt;4ms</li> <li>Battery Type: Built-in Sealed, Maintenance-free Lead Acid Battery</li> </ul>	

	Backup Time: up to 10 minutes		
	(depending on the load)		
	• Alarm: Battery mode, Low battery,		
	Overload, Fault		
	Stimulated Sinewave		
	Surge/overload Protection.		
	Zero distortion for connected audio		
	system when on battery mode		
	One Year Official Warranty		
	Lock able Rack cabinet for Audio system		
9	(mixer/amplifier microphones etc) and		
	UPS		
	Installation		
	Turnkey Installation and commissioning of		
	complete sound system including Cables		
10	(professional pure coper audio and power		
	etc.), connectors, junction box, ducting,		
	cabling etc. for conference system, speaker		
	and UPS etc.		

- The bid is submitted without any conditions.
- All the terms and conditions set forth by COMSATS University Islamabad are acceptable unconditionally, including **bid validity**, **delivery time**.
- I understand that blank technical sheet / non-mentioning of Brand and Model shall make my bid non-responsive and may result rejection of my bid.

Name of Authorized Person:	
Date:	
Signature	
Official Company Seal:	

#### 6. General Terms & Conditions of the Tender

- i. No tender/bid shall be considered if:
  - a) Not uploaded through EPADS.
  - b) Received without required documentation or deficiency in required documentation.
  - c) Received without bid security.
  - d) In contradiction with the specification given by the CUI.
  - e) Received with any condition.
  - f) The bidder is in litigation with CUI or is blacklisted by any organization or is notified as blacklisted on PPRA website.

## 7. Contact person and Submission of Bids:

i. Contact Person for all inquiries, clarifications and bid submission shall be:

In-Charge Procurement COMSATS University Islamabad 2nd Floor, Faculty Block-II, Park Road, Tarlai Kalan, Islamabad,

Tel: 0336-5524334, 051-90495242, 051-9049-5154, 051-9049-5122

Email: wajidkamran@comsats.edu.pk

## 8. Validity of Bids:

- i. The Bid shall remain valid as mentioned in **Table 1** of the tender document.
- ii. Any bidder/firm/ company which refuses to accept the Work Order based on market price escalation shall result in forfeiting the bid security. CUI may also impose a ban from business with it for a period of 6 months.

#### 9. Price of the Bid:

- i. Prices quoted by the Bidder shall be fixed during the period of the contract and not subject to variation on any account.
- ii. Applicable Income tax and GST shall be deducted at source and as per rules. In case of exemption, please mention and attach proper documentation duly verified from the concerned tax authorities. However, CUI may accept the exemption certificate. In case of non-acceptance, CUI shall deduct all applicable taxes as per tax rate. CUI shall provide a certificate of tax deduction and the vendor may claim refunds from Tax Authorities/FBR.
- iii. In the case of tie in rates of the bidders, award of contract shall be decided through balloting in the presence of the of the bidders.
- iv. Unit price shall be taken up to 1 decimal point. The total cost shall be round-up to zero decimal.
- v. In case of any conflict in the price/cost quoted by the bidder, the unit cost (Exclusive of GST) quoted by the bidder shall be considered for calculation.
- vi. In case GST is not mentioned, the prices shall be considered as inclusive of GST.

## 10. Bid Currencies & Bid Security:

- Bid prices shall be guoted in Pak Rupees.
- ii. The currency of the bid security shall also be in Pak Rupees.
- iii. The Bidder shall furnish, as part of its bid, bid security as specified in **Table 1** of the tender document. The bid security is required to protect CUI against the risk of Bidder's default which would warrant the security's forfeiture.
- iv. The bid security shall be in favor of **COMSATS University Islamabad (FTN/NTN: 9013701-9),** in any of the following form:
  - a. Bank Draft
  - b. Pay Order
- v. A scanned copy of bid security is required to be uploaded through EPADS and hard copy must be submitted physically on the closing date of the tender to COMSATS University Islamabad on the address given in the tender notice.
- vi. No personal cheques shall be acceptable at any cost. Also, any previous bid security shall not be considered or carried forward.
- vii. The bid security found deficient of the required amount shall not be considered.
- viii. Unsuccessful bidders' bid security shall be released and returned promptly as the successful bidder gives consent to the work order or signs the contract agreement, whichever is applicable.
- ix. The bid security of the bidder shall be forfeited if the bidder:
  - a. Requests for withdrawal of his bid during the evaluation process.
  - b. Does not accept the correction of arithmetic errors in its bid.
- x. The bid security of the successful bidder shall be forfeited if the bidder:
  - Fails to accept the work order/sign the contract agreement after announced as successful Bidder.
  - b. Fails to comply with the requirement of the bid and contract.

# 11. Clarification of Bidding Document:

i. During evaluation of the bid(s), CUI may, at its discretion, ask the Bidder for a clarification of its bid and such information imperative for evaluation. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted. In case the bidder fails to respond within given deadline, the bidder shall be considered as non-responsive and shall be disqualified from the bidding process.

## 12. Opening of Bids:

i. CUI shall open all bids through EPADS at the time, date, and place specified in tender notice, in presence of bidders' representatives who wish to attend the meeting and shall sign an attendance sheet as evidence of their presence.

## 13. Influencing the evaluation process:

- i. No Bidder shall contact CUI on any matter relating to evaluation of its bid, from the time of bid opening to the time evaluation report is made public. If the Bidder wishes to bring additional information or has a grievance to submit, it should do so through EPADS.
- ii. Any effort by a Bidder to influence CUI during bid evaluation may result in disgualification of the bid.

#### 14. Qualification & Evaluation of Bids:

- i. CUI shall determine whether the Bidder is qualified to perform the Contract satisfactorily, in accordance with the criteria & qualification specified in the tender document.
- ii. The qualification shall be based upon an examination of the documentary evidence submitted by the Bidder, as well as such other information as CUI deem necessary and appropriate.
- iii. CUI shall technically evaluate and compare the bids which have been determined to be substantially responsive, as per evaluation criteria given in the tender document.
- iv. The bidder's financial evaluation of a bid shall be based on the lowest evaluated bid inclusive of all prevailing taxes and duties.
- v. CUI shall examine the bids as whether:
  - a. They are complete in all respect;
  - b. Any computational errors have been made;
  - c. Required financial sureties have been furnished;
  - d. The documents have been properly signed.
- vi. Arithmetical errors shall be rectified on the following basis:
  - a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price (exclusive of tax) shall prevail, and the total price shall be corrected. If the Contractor does not accept the correction of the errors, the bid shall be rejected, and the bid security shall be forfeited.
  - b. If there is a discrepancy between words and figures, the amount in words shall prevail.
- vii. CUI may waive any minor non-conformity, in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

- a. Explanation: A minor non-conformity is one that is merely a matter of form and not of substance. It also pertains to some immaterial deficiency in a Bid or variation of a bid from the exact requirements of the tender document that can be corrected or waived without being prejudicial to other bidders. The deficiency is immaterial when the affect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the supplies or services being acquired. CUI shall either give the bidder an opportunity to correct any deficiency in a bid or waive the deficiency, whichever is advantageous to CUI.
- viii. Prior to the detailed evaluation, CUI shall determine the substantial responsiveness of each bid to the bidding documents. For the purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations.
- ix. Deficiency in bid security, Applicable Law and Taxes and Duties shall be deemed to be a material deviation. The CUI's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- x. If a bid is not substantially responsive, it shall be rejected and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

## 15. Notification of Evaluation Reports:

The evaluation report shall be notified through EPADS.

# 16. Corrupt or Fraudulent Practices & Blacklisting:

- i. The bidders shall be required to observe the highest standard of ethics during the procurement and execution of contracts. For the purpose of this provision, the terms set forth below are defined as under:
  - a. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution;
  - b. "Fraudulent practice" means a misrepresentation of facts to influence a procurement process or the execution of a contract to the detriment of CUI;
  - c. "Collusive practice" is an arrangement among bidders (prior to or after bid submission) designed
    to establish bid prices at artificial, non-competitive levels for any wrongful gains, and to deprive
    CUI of the benefits of free and open competition.
- ii. CUI shall have the right to reject a proposal for award if it determines that the bidder had been engaged in corrupt or fraudulent practices in the past with any organization.
- iii. Any bidder/firm/company which is blacklisted by any organization and/or notified as blacklisted by PPRA shall be considered disqualified from the bidding process unless and until it is de-notified on PPRA website.

iv. If it at any time, CUI determines that the firm has engaged in corrupt, fraudulent, or collusive practices in competing for, or in executing the contract, it shall sanction/ban a bidder/firm/company, in accordance with prevailing Blacklisting procedures under Federal Public Procurement Rules.

# 17. Right to Accept or Reject Bids:

i. Under PPRA Rule 33(1), CUI may reject bids or proposals at any time prior to the acceptance of a bid or proposal, without incurring any liability to the bidder(s).

#### 18. Award of Contract:

- iii. After scrutiny of all bidding documents, the final evaluation report shall be uploaded to EPADS, and the work order/purchase order shall be issued on the basis of most advantageous bid as mentioned in **Table 1** of the tender document.
- ii. The successful bidder shall immediately sign a contract agreement / give consent to the Work Order/Purchase Order. The bidder shall bear all the stamp duties and expenses for the purpose of contract agreement/Work Order/Purchase Order, if any.

#### 19. Notification of Award:

- i. The notification of award shall constitute the formation of the Agreement/Work Order/Purchase Order.
- ii. Upon the successful bidder's signing the contract agreement/acceptance/consent to the Work Order/Purchase Order, CUI will promptly notify the unsuccessful bidder(s) and will release its bids security.
- iii. Quantity may increase/Decrease as per CUI requirements subject of availability of funds.

# 20. Delivery Information:

- i. The supply shall be made to CUI as mentioned in **Table 1** of the tender document.
- ii. In case of delay in delivery and installation the vendor may submit a written request for extension in delivery time, giving valid justification with proof.
- iii. CUI may extend the delivery time and installation according to the reason of delay with the condition of deductions in percentage (0% to 10%) from the total bill as penalty. The decision shall be communicated to the vendor for extension along with [percentage of deduction, if any]. In case of non-responsiveness/non-acceptance by the vendor, the work order shall automatically be cancelled, the bid security shall be forfeited. CUI may also impose a ban from business with it for a period of six months.
- iv. CUI may reject the request for extension, in which case, the work order shall be cancelled, the bid security shall be forfeited. CUI may also impose a ban from business with CUI for a period of six months.

- v. Vender may ensure the delivered equipment shall be brand new including all necessary accessories, otherwise delivery shall not be accepted.
- vi. The bills along with delivery challan (duly signed by authorized official of CUI) shall be submitted to the Procurement Office for further necessary payment process. Any deficiency in bill/supporting documentation shall be removed by the vendor.
- vii. Any defective item(s) shall be replaced by the vendor during the warranty period, free of cost, within one-week is time. In case of failure to supply the specific item, CUI shall purchase the item on risk and cost of the supplier, to be deducted from the bidder's bid security or performance guarantee.
- viii. Payment shall be made as per actual quantity delivered & accepted to CUI.
- ix. Samples are mandatory where specifically demanded and bid without samples shall be considered non-responsive. No sample(s) shall be accepted after the closing date of the tender. Sample(s) other than the demanded item(s) shall not be considered.
- x. After technical evaluation of bids, sample(s) provided by bidders may be picked up from the procurement section within 30 days from the date of technical bid evaluation announcement. Failure on the part of the bidder(s) to collect his samples within the stipulated time shall allow CUI to dispose of the samples.
- xi. In cases lowest evaluated bidder refuses or fails to supply the item(s)/execute the work within the deadline(s), the Work Order may be offered to the next lowest bidder provided that the difference between the 1st lowest bidder and 2nd lowest bidder (2nd-1st) is less than or equal to the earnest money (General Economic Principle). Same principle for 3rd, 4th lowest bidders and so on.

# 21. Legal Document

i. The Tender document and Contract agreement/Work Order/Purchase Order altogether shall have legal binding on all bidders.

#### 22. Declaration Form

#### (THIS FORM IS TO BE PROVIDED WITH THE BID)

All the terms & conditions have been carefully read and understood and are hereby unconditionally accepted and it is declared that:

- a) I understand that by inserting any condition in my bid consciously or unconsciously shall automatically disqualify me from the bidding process.
- **b)** By altering/adding/deleting any point, clause, condition in the documents provided shall automatically disqualify me from the bidding process.
- c) All the information furnished by me here-in is correct.
- d) I have no objection if enquiries are made about the work listed by me/us in the accompanying sheets /annexure.
- e) I agree that the decision of CUI in selection shall be final and binding to me.
- f) I have read the instructions appended to the proforma and I understand that if any false information in the document is noticed at a later stage, CUI is at liberty to act in a manner in accordance with the applicable rules and terms & conditions of the tender, which may include Penalty AND/OR forfeiting of bid security AND/OR blacklisting for future tendering with CUI AND/OR bar from business with CUI for a period of six months.

Tender Title  Name of Firm/ Company  Year of Establishment in this business  Name of Authorized agent  Office Address  GST No.  NTN.  Valid Cell No.	
Year of Establishment in this business  Name of Authorized agent  Office Address  GST No.  NTN.  Valid Cell No.	Tender Title
Year of Establishment in this business  Name of Authorized agent  Office Address  GST No.  NTN.  Valid Cell No.	Name of Firm/ Company
Name of Authorized agent  Office Address  GST No.  NTN.  Valid Cell No.	
Office Address  GST No.  NTN.  Valid Cell No.	Year of Establishment in this business
Office Address  GST No.  NTN.  Valid Cell No.	Name of Authorized agent
GST No.  NTN.  Valid Cell No.	
NTN.  Valid Cell No.	Office Address
NTN.  Valid Cell No.	
Valid Cell No.	GST No.
Valid Cell No.	NTN
	NIIV.
Volid C mail (Fee all official company days a)	Valid Cell No.
	Valid E-mail (For all official correspondence)
	Signature & Stamp
Signature & Stamp	
Signature & Stamp (Authorized Representative)	
Signature & Stamp (Authorized Representative)	