

Category - A

INVITATION FOR BIDS

Section - I

Liaquat University of Medical & Health Sciences Jamshoro invites bids from reputed firms having adequate past experience and financial capabilities for supply of FM Radio Broadcast Station equipment. The firms who have already supplied/installed at least 50 FM Radio Broadcast Stations equipment will be given preference /eligible for participation in this tender.

SUPPLY, INSTALLATION AND ESTABLISHMENT OF FM RADIO STATION

GENERAL TERMS & CONDITIONS

1. Tender Opening Date & Procedure:

- A. The procurement shall be completed in accordance with SPPRA/PPRA Rules, on Single Stage - Two Envelope Bidding Procedure.
- B. A single package containing two envelopes, Technical and Financial separate Bids in complete conformity with Tender Documents will be dropped in Tender Box kept in the Purchase & Store Section, LUMHS, Jamshoro during office hours on or before 02-11-2015 before 12:00 Noon.
- C. Technical Bids will be opened first on 02nd November 2015 at 12:30 Hrs. for evaluation by the Technical Committee.
- D. Financial Bids of Successful Technical Bidders will be opened as per schedule issued later on.
- E. Financial Bids of unsuccessful Bidders will be returned un-opened.

2. Tender Fee, Bid Security and Performance Security:

- A. Technical Bid must be accompanied by Tender Fee of Rs: 3,000/- in shape of Call Deposit Receipt (CDR) in original per package.
- B. Financial Bid must be accompanied by Bid Security @ 2% of the tendered bid/value (refundable) in shape of Call Deposit Receipt (CDR) in original or bid security issued by a scheduled bank.
- C. The rates / bids should be inclusive of all applicable Govt. Taxes.
- D. Performance warrantee @5 % of the total bill shall be retained by the university and refundable after expiry of the warrantee period.

3. Special Instructions

- A. Vendor must have installed a minimum of 50 FM stations all over Pakistan proof of this must be attached with offer showing list of clients and equipment installed.
- B. Equipment offered must be already in use with major FM radios in Pakistan.
- C. Vendor must be authorized distributor for major offered equipment such as Console etc, manufacturer's authorization must be attached with technical offer.
- D. Vendors who do not meet the criteria mentioned above will be automatically disqualified.

Bidders may bid on all packages or individual packages.

S.No	Package	Description
1	Package A	Broadcast Guyed Tower with Accessories
2	Package B	Studio Equipment & Web Radio Module
3	Package C	Power Conditioning & Safety Equipment for FM Radio Station
4	Package D	Sound Proofing

Package A: Broadcast Guyed Tower with Accessories**Broadcast Guyed Tower with Accessories**

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	Triangle lattice steel guyed tower 180ft high for mounting the antenna, 12" triangular cross section, made up of 10ft triangular with 80 micron hot dip galvanized sections , assembled at site, complete with guying and tensioning hardware, includes lightening arrestor rod, GI earth wire from top to base of tower, solar powered aviation warning light.	1 lot		
2	Tower Grounding	1 lot		
3	Cable Tray from the tower to the transmitter room with appropriate mounting accessories to support the main feeder cable	Per meter		
Transportation to Site				
Installation and Rigging Charges				
Total Inclusive of all duties and taxes or Package A				

Package B: Studio Equipment & Web Radio Module**1. On Air Studio Talk Show Studio**

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	Airmate 8-Channel On-Air Broadcast Console with built-in 2x telephone hybrids and 2 x Built-in High Fidelity USD Sound Cards	1		
2	AKG Studio Presenter Microphones	2		
3	AKG Studio Dynamic Headphones	4		
4	AKG Studio Condenser Microphones	2		
5	Headphone Distribution Amplifier	1		
6	ECOM Boom Microphone Stands	4		
7	ECOM Smart On Air Studio Light with 6 x Preprogrammed messages	1		
8	ADS9000 Audio Profanity Delay Machine	1		
9	EWAZ Web Streaming (for 1 Year)	1 lot		
10	ECOM Smart Series Studio Furniture with Presenter chair	1		
11	D&R AircastPayout and Automation software	1 lot		
12	Active Studio Monitors (Pair)	1		
13	FM Radio Tuner (Yamaha/Technics/Sony/Sanyo)	1		
14	Dual Deck Cassette Player and Recorder with USB	1		
15	CD Player (Sony/Technics/Panasonic/Teac/Tascam)	1		

Production Studio/Backup Studio

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	Allen & Heath ZED 14 Production Console	1		
2	AKG Production Microphone	1		
3	AKG Talent Microphones	2		
4	AKG Studio Headphones	4		
5	Headphone Distribution Amplifier	1		
6	ECOM Flex Boom Microphone Stands	1		
7	ECOM Desktop Microphone stand with flexible neck.	4		
8	ECOM Smart Series Studio Furniture with Presenter chair	1		
9	ECOM Smart Recording Light with 6x Programmed messages	1		
10	Active Studio Monitors (Pair)	1		
11	FM Radio Tuner (Yamaha/Technics/Sony/Sanyo)	1		

Audio Cables and Connectors

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	XLR Audio Connector Pair (Male and Female)	40		
2	¼ TRS Audio Connector Male	20		
3	¼ TS Audio Connector	20		
4	Professional High Quality Shielded Audio Cable Roll	4 Rolls		
5	RCA Connectors Male	20		
6	3.5 mm Stereo Jack	15		

Web Radio Add-on

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	EWAZ Web Streaming Service unlimited bandwidth (cost for one year)	1 lot		
2	WEB Radio Broadcast Software with webpage plugin.	1 lot		

Digital Studio to Transmitter Link

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	DIGITAL STUDIO TO TRANSMITTER LINK <i>For connecting Class Room or Auditorium to FM Station for ECOM DSTL 5200 Digital Studio to Transmitter Link for connecting different campus buildings with the FM Transmitter station for live coverage. Ideally recommended for connecting auditorium and FM Radio Studio for live coverage of events.</i>	1 lot		

Outdoor OB Equipment

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	Digital Field Recorders	4		
2	Outdoor DC Powered Mixer with battery & battery charger	1		
3	Outdoor Microphones	4		
4	JK Audio BluePack Wireless Interview Tool	1		
5	Professional Studio Headphones	4		
6	Wireless Microphone System	1		

FM Tuners with Speakers

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	High Quality Stereo FM Tuners with Speaker (Sony/Panasonic/Philips/Denon)	13		

Miscellaneous Audio Equipment

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	Audio Patch Panel for switching between On Air and Production Studios	1		

Installation & Commissioning for Package B

Total Inclusive of all duties and taxes or Package B

Package C: Power Conditioning & Safety Equipment for FM Radio Station**Power Conditioning & Safety Equipment for FM Radio Station**

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
1	3.5KVA UPS with 30min Battery life for FM Transmitter	1		
2	5KVA UPS with 30min Battery life for Studios	1		
3	10KVA Isolation Transformer and AVR	1		
4	FM Radio Station Electrical Panel	1		
5	Electrical wiring of Live, Backup studios & transmitter room which should include wiring for split Air conditions, lights and other items, switches and fittings.			
6	UPS Backed Wiring for FM Station (Price to be quoted per running feet)	per meter		
7	5KVA UPS with at least 30min Battery backup life	1		

Installation & Commissioning for Package C

Total Inclusive of all duties and taxes or Package C

Package D: Sound Proofing**Sound Proofing**

Description High Quality sound proofing of complete rooms Walls to include 3" thick treatment sound proofing using sound absorbing material for isolation, and thick cladding on the walls for sound absorption. Specialized 4" thick door with stuff with sound absorbing material for Isolation and absorption. Dual 12mm glass windows with frame. False ceiling with Styrofoam tiles and sound absorbing blankets on top. Flooring consists of high quality dust resistant carpeting.

Sn	Description	Qty	Unit Price (PKR)	Total Price (PKR)
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1	On Air/Live Studio Sound Proofing Room Size 15'-7" x 13'-11" Floor Area.			
2	Production/Backup Studio Room Size 9'-10" x 13'-11" Floor Area			
Grand Total				

Evaluation/Qualification Criteria

Mandatory Provisions/Eligibility: Firms/Contractors must possess the following eligibility criteria and contractor should not be in black listed. *(Attach all certificates/documents)*

Criteria based on Marks/Score.

S.No.	Description	Total Marks	Obtained Marks	Remarks
1.	Company Registration Certificate	5		
2.	NTN Certificate	5		
3.	Sales Tax Registration Certificate (GST)	5		
4.	Registered with Pakistan Engineering Council	5		
5.	Complete Profile / Introduction of Organization (including name of Chief Executive, Partners, Professionals, etc);	5		
6.	Professional experience of Technical Staff	5		
7.	Financial Soundness Proof (Bank Reference, Bank Statement or Audited Report / Accounts)	5		
8.	Company Experience			
	5 to 9 years	5		
	10 to 14 years	8		
	15 years and above	15		
9.	Office Facility (service centers)			
	In Sindh	6		
	Other Province (1 mark for each province)	3		
	Islamabad	3		
10.	Authorized distributor for FM equipment	5		
11.	Proof of Installed at least 50 FM Station	20		
Total Marks		100		

INVITATION FOR BIDS

Liaquat University of Medical & Health Sciences Jamshoro invites bids from reputed firms having adequate past experience and financial capabilities for supply of IT Equipments, Supply for furniture & fixture, Supply of Generator & other electrical/electronics items for Faculty of Community Medicine & Public Health Sciences, Liaquat University of Medical & Health Sciences, Jamshoro.

Section –II

SUPPLY FOR I.T EQUIPMENTS

PACKAGE-1: COMPUTERS				
S.NO	Description	Quantity	Unit Price	Total Amount
01	COMPUTERS <u>SPECIFICATION</u> <ul style="list-style-type: none">• Hp Core i7 Desktop Computer, 4th Generation (HP-Branded Computer) Model# Hp-Pro Desk 600 TWR• 3.6 GHZ processor 8 MB Cache• 8 GB RAM• 500 GB HDD• DVD R/W Sata• Keyboard & Mouse (HP)• 19'' LED Monitor (HP)• Audionic Speaker Multimedia Alien (Normal)• Headphones, Microphones with all Accessories• ATX Casing, (Wifi built-in), Lan 3 Years Warranty	06		
02	COMPUTER <u>SPECIFICATION</u> HP Pavilion Core i74790 desktop new, 4th Generation(Intel Unbranded) <ul style="list-style-type: none">• Hp Core i7 Desktop Computer, 4th Generation (Intel Unbranded) Full High Graphics Computer• 8 GB RAM• 1 TB HDD• 4 GB Graphic Card• DVD R/W Sata• ATX Casing, (Wi-Fi built-in) LAN• Keyboard & Mouse• Creative Soundcard• Speakers – Audionic max.3 sub-woofer	02		

	<ul style="list-style-type: none"> • 19" LED Monitor (HP) • Headphones, Microphones 3 Year Warranty			
03	LAPTOPS <u>SPECIFICATION</u> <ul style="list-style-type: none"> • Hp Core i7 desktop new, 4th Generation • Hp Pro Book • 4 GB RAM • 500 GB HDD • DVD R/W Sata • Wi-Fi LAN, HD Camera • 15.6" LED • Bluetooth • Headphones, Microphones One Year Warranty	02		
04	PORTABLE HARD DRIVE <u>SPECIFICATION</u> <ul style="list-style-type: none"> • Seagate Portable HDD 1 TB • Seagate Portable HDD 2 TB (One Year Warranty)	01 01		
05	PRINTER <u>SPECIFICATION</u> <ul style="list-style-type: none"> • HP Laser Jet Printer (Heavy Duty) • Model# 401DN with refillable tonner (One Year Hp Warranty)	01		
06	SCANNER <ul style="list-style-type: none"> • HP scanner (Heavy Duty) 	01		
07	DVD RE-WRITEABLE (DVD-RW) <ul style="list-style-type: none"> • DVD Re-writeable (RW) imported 4.7 GB (recordable) VERBATIM/ SONY/	100 DVDs- RW		
08	RE WRITEABLE COMPACT DISC (CD-RW) Re-Writeable Compact Disc recordable (CD) imported 700 mb TDK/MEMOREX/SONY	300 CD- RW		
09	SONY 40" BRAVIA LED TV KDL-40-R-352-B (built in stabilizer) with official Sony warranty	01		

10	PACKAGE-2: NETWORKING			
	12U Network RACK	1 Pcs		
	3M IO CAT 6	36 Pcs		
	Face Plate 3M Double Shutter	16 Pcs		
	Back Box	16 Pcs		
	3M CAT 6 UTP Cable	1000 ft		
	CAT 6 Connector (RJ 45 with Boots)	32 Pcs		
	Network Switch CISCO 24 Port SR-2024	1 Pcs		
	AQUA Power Board Extension	1 Pcs		
	PATCH Cord 7ft	16 Pcs		
	Channel Patti 16x38 WF2681	100 ft		
	CISCO Wi-Fi Router	1 Pcs		
	UPS 3 Kva for Network + Telephone Exchange	01 Pcs		
	Complete Installation including Ducking Pulling Wiring Laying Complete Job with all Respect	01 Job		
11	PACKAGE-3 PANASONIC TELE PHONE EXCHANGE (PABX)			
	Panasonic Tele Phone Exchange (3+16) Model# KX-TE-824 With Panasonic Console Model# KX-T7730 FEATURES <ul style="list-style-type: none"> ➤ 3 Trunk Lines ➤ 16 Extensions ➤ Battery Backup ➤ 3 Trunk Lines CLI ➤ OGM Message Card 	01		
	Panasonic without CLI Set	16		
	Complete Installation including Ducking Pulling Wiring Laying Complete Job with all Respect			
Total Amount				

SECTION - III**SUPPLY FOR FURNITURE & FIXTURE**

S.NO	Description	Quantity	Unit Price	Total Amount
01	CHAIRS LOW BACK <u>SPECIFICATION</u> Revolving Chair low back imported with castors and flex backs, adjustable height, molded vinyl construction.	18		
02	CHAIRS HIGH BACK <u>SPECIFICATION</u> Revolving high back imported with castors and flex backs, adjustable height, molded vinyl construction.	06		
03	OFFICE CHAIRS Steel pipe with leather cushion or wooden frame with leather cushion. Best quality	12		
04	Sethi with side table Wooden Sethi with back (imported) Size 8 ft Length, width 3 ft. Vendor must show design with multi colors. Side table Wooden Size 3 x 3	01		
05	RECEPTION CHAIRS STEEL Corridor steel benches 3 sitter Iron frame with wooden patti	01		
06	(Long Stand) Counter Chair (Steel / Wood)	02		
07	Reception Table (Wooden) Size Length 5'.5"ft, Width 2	01		

	ft.Height 3'.5" ft with drawers, table top and front wooden			
(8	EXECUTIVE TABLES <u>SPECIFICATION</u> <ul style="list-style-type: none"> Tables (Executive table size 4'x2'x2½) with side rack for Computer CPU) 	06		
09	WALL CABIN <u>SPECIFICATION</u> <ul style="list-style-type: none"> With 4 Box (Size: Length 8'.0", Height 1'.6", Width 1') 	03		
10	RACKS <u>SPECIFICATION</u> <p>Racks for storage, made of laminated wooden veneer, approx 20" wide 14" deep and 60 high, with glass lockable doors</p>	03		
11	Steel Ladder foldable 6 ft	01		
Total Amount				

Note: The vendor must provide the designs along with size and other specifications with the tender document.

SECTION - IV
SUPPLY FOR GENERATOR

S.NO	Description	Quantity	Unit Price	Total Amount																																																												
01	<p>AUTOMATIC STANDBY GENERATOR (40 KVA)</p> <p><u>SPECIFICATION</u></p> <ul style="list-style-type: none">J44K (40 KVA) SDMO (FRANCE) DIESEL GENERATOR SET(Canopy, ATS Panel, Cabling, Installation and transportation included) <p>Engine Type: 3029TF120</p> <p>Alternator Type: AT00540T</p> <p>Performance Class: G3</p> <p><u>GENERAL CHARACTERISTICS</u></p> <p>Frequency (Hz) 50</p> <p>Reference Voltage (V) 400/230</p> <p>Standard Control Panel APM303</p> <p>Optional Control Panel TELYS</p> <p><u>POWER</u></p> <table><thead><tr><th></th><th colspan="2">ESP</th><th colspan="2">PRP</th><th></th></tr><tr><th>Voltage</th><th>kWe</th><th>kVA</th><th>kWe</th><th>kVA</th><th>Stndby Amps</th></tr></thead><tbody><tr><td>220TRI</td><td>35</td><td>44</td><td>32</td><td>40</td><td>115</td></tr><tr><td>220/127</td><td>35</td><td>44</td><td>32</td><td>40</td><td>115</td></tr><tr><td>415/420</td><td>35</td><td>44</td><td>32</td><td>40</td><td>61</td></tr><tr><td>400/230</td><td>35</td><td>44</td><td>32</td><td>40</td><td>64</td></tr><tr><td>380/220</td><td>35</td><td>44</td><td>32</td><td>40</td><td>67</td></tr><tr><td>200/115</td><td>35</td><td>44</td><td>32</td><td>40</td><td>127</td></tr><tr><td>240 TRI</td><td>35</td><td>44</td><td>32</td><td>40</td><td>106</td></tr><tr><td>230 TRI</td><td>35</td><td>44</td><td>32</td><td>40</td><td>110</td></tr></tbody></table> <p><u>DIMENSIONS COMPACT VERSION</u></p> <p>Length (mm) 1700</p> <p>Width (mm) 896</p> <p>Height (mm) 1221</p> <p>Dry weight (kg) 820</p> <p>Fank Capacity (L) 100</p>		ESP		PRP			Voltage	kWe	kVA	kWe	kVA	Stndby Amps	220TRI	35	44	32	40	115	220/127	35	44	32	40	115	415/420	35	44	32	40	61	400/230	35	44	32	40	64	380/220	35	44	32	40	67	200/115	35	44	32	40	127	240 TRI	35	44	32	40	106	230 TRI	35	44	32	40	110	01		
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DIMENSIONS SOUNDPROOFED VERSION				
Commercial reference of the enclosure	M127			
Length (mm)	2080			
Width (mm)	960			
Height (mm)	1415			
Dry weight (kg)	1040			
Tank Capacity (L)	100			
Acoustic pressure level @1m in dB (A)(N/A)	74			
Sound Power level guaranteed (Lw1)	91			
The vendor/company must provide details of: <ul style="list-style-type: none"> • Warranty • After Sales Service • Spare parts services • The size of the base/floor required for the placement of Generator • Other services offered • Delivery Note: The generator will be installed on ground floor. Supplier can visit the site of placement of Generator to calculate distance from Electrical panel to Generator.				

02	SUPPLY FOR SPLIT AIR CONDITIONERS& OTHER ITEMS			
a.	SPLIT AIR CONDITIONERS SPECIFICATION <ul style="list-style-type: none"> • Heavy Duty 1.5 Ton Split air conditioners (with installation kit, parts warranty and fitting charges) GREE/Panasonic/Samsung/ Mitsubishi 	10		
b.	PAD STILL FANS SPECIFICATION <ul style="list-style-type: none"> • PAD STILL FAN 	02		
c.	FIRE EXTINGUISHER SPECIFICATION <ul style="list-style-type: none"> • Fire Extinguisher CE0062 6 kg BC Powder 144B C 	02		
d.	WATER DISPENSOR	01		
Total Amount				

Terms & Conditions

- a. Prescribed tender proforma along with terms & conditions can be obtained personally from Purchase & Store Section or can be downloaded from website www.lumhs.edu.pk on payment of Rs. 1000/= (Rupees one thousand only) in the shape of Pay Order / D.D (Non-refundable) in favour of Vice-Chancellor,

Liaquat University of Medical & Health Sciences, Jamshoro be attached with tender form within Due Date along with following documents.

1. Latest Income Certificate (NTN).
 2. GST Registration Certificate.
 3. Detailed Portfolio of Company.
 4. Certified copy of Authorized Dealership Certificate.
- b. Tender should be dropped in the Tender Box kept in the Purchase & Store Section, LUMHS, Jamshoro during officer hours on or before
- c. Technical bids will be opened first on dated..... at..... for evaluation by the technical committee.
- d. Financial bids of successful Technical bidders will be opened as per evaluation by the technical committee. Financial bids of unsuccessful bidders will be returned unopened.
- e. The participating should have expertise & experience in their relevant field.
- f. In case the tender is not opened on the scheduled date due to unscheduled holiday then the same shall be opened on next working day, the other terms and conditions of the tender shall however remain unchanged.

Method of Procurement use:

- The procurement shall be completed in accordance with SPRA/PPRA rules, on single stage two envelope procedure, 1st envelope should contain **Technical Proposals** only & be clearly marked as technical proposals. Second envelope should contain **Financial Proposals** (rates) along with the earnest money 2% of quoted rates in the shape of pay order/demand draft (refundable to unsuccessful bidders) the envelope be clearly marked as financial proposals.
- The rates / bids should be inclusive of all applicable Govt. Taxes.
- Both envelopes should be sealed separately and placed in the third envelope. The name of the bidder should be clearly marked on all envelopes.
- The Technical Proposals on the basis of the Documents, Drawings, samples of the material provided and following Document
 - (i) Covering Letter;
 - (ii) Copy of Company Registration Certificate;
 - (iii) Copy of NTN Certificate;
 - (iv) Copy of Sales Tax Registration Certificate (if applicable);
 - (v) Copy (ies) of certificate of professional / technical association;

(vi) Complete Profile / Introduction of Organization (including name of Chief Executive, Partners, Professionals, etc);

(vii) Financial Soundness Proof (Bank Reference or Bank Statement or Audited Report / Accounts)

- The supplier will have to produce evidence in respect of their registration with income Tax, Sales Tax Department.
- Income tax / GST at deductible as per Government Rules applicable.
- The currency in which tender price is to be assessed and computed is Pak Rupees.

Bid Validity:

- The LUMHS shall at a time within the bid validity as per SPPRA/PPRA Rules open the financial proposals of the technically accepted bids only on the date and time communicated later by this university to the technically approved bidders. The financial proposals of bids found technically non-acceptable shall be returned without opening Financial Proposals to the respective bidders.
- Government notified black listed firms / suppliers shall not be entertained. All terms and conditions of bids will accepted by representative of firm.
- The Central Purchase Committee may cancel / delete any item or decrease or increase quantity as per need. Tender who do not fulfill the terms and conditions will not be entertained. The procuring agency may reject all or any bids subject to the relevant provisions of SPRA/PPRA Rules.