

TENDER NOTICE.


According to SPPRA rules 2010 (Amendment 2013) sealed tenders are hereby invited from Interested Agent / Sole Agent/ Foreign Companies Distributors in Pakistan for the purchase of following items for Liaquat University Hospital, Hyderabad/Jamshoro on FOR & C&F Basis. The last date for submission of tender documents is 1st February, 2017 up to 11.30 A.M and the opened on same day at 12.00 P.M in presence of participants.

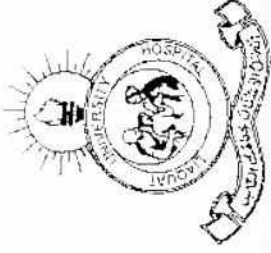
S. NO	NAME OF ITES	HEAD	BID SECURITY	TENDER FEES (NON-REFUNDABLE)
01	Machinery / Equipment THALLIUM SCANNER / DUAL HEAD SPECT GAMMA CAMERA FOR CARDIOTHORASIC SURGERY DEPARTMENT, LIAQUAT UNIVERSITY HOSPITAL HYDERABAD	SNE (New) 2016-17	2.5% of the quoted amount	Rs.2000/-

The tender form can be purchased from **16.01.2017 to 31.01.2017** from office of the undersigned Liaquat University Hospital, Hyderabad (Ph:022-9210207 and Fax# 022-9210208).

NOTE:-

1. The Medical superintendent LUH, Hyderabad / Jamshoro reserves the right to increase or decrease the quantity of any item of schedules as and when it is deemed necessary according to SPPRA Rules. The Procuring agency may reject all or any bids subject to the relevant provision of SPPRA Rules.
2. Minimum three years experience in relevant filed with documentary proof.
3. Minimum ten millions turn over with Bank Certificate.
4. Three year Income Tax Return. (Photocopies must Enclosed)
5. Tender form should be submitted in **Single Stage – Two Envelope system** i-e **Technical** and **Financial** separately.
6. The Income Tax / GST will be deducted according to rules of Government of Pakistan if applicable. (The copy of Registration Certificate must be enclosed).
7. Valid Professional Tax Certificate (Excise & Taxation Department).
8. The specification and other terms and condition can be seen from Tender Enquiry or SPPRA Website.
9. Bid Validity 90 days.
10. The tender should be addressed to the Medical Superintendent, Liaquat University Hospital, Hyderabad duly prescribed the words tender for Machinery / Equipment under SNE (New) 2016-17 on the top of the Envelope.


 Medical Superintendent
 Liaquat University Hospital
 Hyderabad/Jamshoro



(Rs. 2000/= Non Refundable)

LIAQUAT UNIVERSITY HOSPITAL, HYDERABAD / JAMSHORO
SUPPLY OF MACHINERY /EQUIPMENT UNDER S.N.E (NEW)

FOR THE YEAR 2016-17

TENDER INQUIRY NO. 17/2016-17

DUE ON 01.02.2017.

Time of Receipt of Tender Form 16.01.2017 to 31.01.2017 upto 2.00 PM

Time of Submission of Tender Form 01.02.2017 at 11.30 A.M

Time of opening of Tender Form 01.02.2017 at 12.00 NOON

Offers shall remain open for 90 days from the date of opening. The tenders shall quote their price inclusive of all duties / taxes / Octroi transportation etc, and all other expenses on free delivery to consignee's end at Liaquat University Hospital, Hyderabad basis. Price should be quoted in Figure & words both failing which the offer will be ignored. The offers are required on C&F and F.O.R basis in Pak rupee.



THALLIUM SCANNER FOR CARDIOTHORIASIC SURGERY DEPARTMENT.
LIAQUAT UNIVERSITY HOSPITAL HYDERABAD

A fully Thallium Scanner System, dedicated for diagnostic & interventional cardiac procedures with the following minimum specifications and application softwares. The quoted model must be latest and bidder must mention the number of systems installed worldwide and in Pakistan. The vendor must have sold the equipment in the province and submit letter of satisfaction of similar systems installed by them regarding after sales service from three reputable public/private centers of Sindh.

S.NO.	Technical specifications for Dual Head Spect Gamma Camera	Vendor to fill up this Performa with verifiable references from data sheet. Please mention page number of data sheet. (Yes / No)
	General : a) Latest technology Dual Headed variable angle SPECT Gamma Camera system capable of performing all advanced cardiac applications: planar, dynamic, SPECT, gated cardiac SPECT, imaging applications.	
	b) Manufacturer to provide a comprehensive list of users of dual head SPECT gamma camera in Pakistan, and their performance profile duly certified by respective institution heads.	
	c) Number of installations & company profile: Company should preferably be manufacturer of the equipment and in case non-manufacturing vendors (third party supplier) are allowed to participate the same should be mentioned clearly in bid document. In case of third party supplier the liabilities of principal manufacturing company and third party supplier needs to be clearly demarcated and ensured.	
	Gantry: a) Gantry design should be wide open and image acquisition capability with clockwise and anticlockwise movement.	
	b) Height, width and depth should be adequate to conveniently locate the gantry in existing space available in the department. In order to access this, tenders are required to mention the dimensions.	
	c) Axis of rotation: 104 cm or more	
	d) Patient opening for Low energy collimator (LEHR): Max 65 cm and Minimum: 12cm.	
	e) Patient opening for low energy high resolution (LEHR) collimators: Max: 70 cm; Minimum: 20 cm.	
	e) Patient opening for low energy high resolution (LEHR) collimators: Max: 70 cm; Minimum: 20 cm.	

	<p>f) Auto contouring: The detectors should be equipped with automatic body centering (ABC).</p> <p>g) Gantry should have emergency stop buttons.</p> <p>h) Persistence scope mounted on the gantry or wall for continuous display of patient position and gantry parameters (with 21" or more, LED Color Display from same manufacturer)</p> <p>i) Max CW/CCW: 405°/180° or better</p> <p>j) Rotation precision: 0.1°, or better</p> <p>k) Rotation speed: 003-3.0 rpm</p> <p>l) Centre of rotation (COR): ≤ 0.25 pixel in 64x64 matrix</p>
	<p>Detectors:</p> <p>a) Large field of view (UFOV) to enable adequate patient breadth coverage</p> <p>b) Crystal:</p> <ul style="list-style-type: none"> • Size: 59 x 44cm or more • Diagonal: 73 cm or more • Thickness: 8.5-16 mm <p>c) System should have facility for automatic correction for energy, linearity and uniformity.</p>
	<p>d) Photomultiplier Tubes:</p> <ul style="list-style-type: none"> • Number of PMTs should be 55 or more per detector with 1 ADC per PMT (True digital detector). • Uniform Hexagonal array with box type dynodes and high overall efficiency and sensitivity
	<p>e) Shielding Characteristics of Detector:</p> <ul style="list-style-type: none"> • Back: 9.5 mm or better • Sides: 12.7 mm or better • Patient Direction: Max – 36.4 mm; Min – 27.9 mm. • Edge to edge: Detector housing and FOV – 7.6 mm.
	<p>f) Intrinsic Spatial Resolution:</p> <ul style="list-style-type: none"> • FWHM in CFOV: ≤ 4.5 mm • FWHM in UFOV: ≤ 4.6 mm • FWTM in CFOV: ≤ 8.7 mm • FWTM in UFOV: ≤ 8.9 mm
	<p>g) Intrinsic Energy Resolution:</p> <ul style="list-style-type: none"> • FWHM in UFOV: $\leq 9.9\%$

	<p>h) Intrinsic Flood Field Uniformity:</p> <ul style="list-style-type: none"> • Differential (CFOV): $\leq 2.5\%$ • Differential (UFOV): $\leq 2.7\%$ • Integral (CFOV): $\leq 2.9\%$ • Integral (UFOV): $\leq 3.7\%$ 	
	<p>i) System Spatial Resolution (LEHR at 10 cm or better):</p> <ul style="list-style-type: none"> • FWTM in CFOV: 7.8 mm or better • FWTM in UFOV: 14.9 mm or better <p>j) Intrinsic Spatial Linearity:</p> <ul style="list-style-type: none"> • Differential (CFOV): ≤ 0.4 mm • Differential (UFOV): ≤ 0.2 mm • Absolute (CFOV): ≤ 0.5 mm • Absolute (UFOV): ≤ 1 mm • Multiple window spatial registration: ≤ 1.0 mm • Intrinsic maximum count rate: 310 keps • Intrinsic spatial resolution at 75 keps • FWTM (CFOV): ≤ 4.6 mm • FWTM (UFOV): ≤ 8.9 mm • System Planar sensitivity (LEHR at 10 cm) Absolute: 160 cpm / μCi or more • System planar sensitivity (MEGP at 10 cm) 144cpm / μCi or more • Reconstructed spatial resolution with scatter (LEHR): ≤ 12.00 mm g) 	
	<p>Collimator specification:</p> <ul style="list-style-type: none"> • Low Energy High Resolution (LEHR) – one pair 	
	<p>Patient Bed:</p> <ul style="list-style-type: none"> a) Single universal table for all studies i.e., Planar, SPECT, Cardiac and Whole body imaging b) Table top should be composed of low attenuation carbon fiber covered by mattress pad and straps and should be able to withstand at least 180 Kg of body weight c) Whole body imaging covering should not be less than 200 cm. d) Table should have facility for lowering the height to facilitate easy patient transfer and should be movable to permit imaging for sitting, standing, stretcher/wheel chair patients. Adjustable head positioning pallets, injection arm rest, Cardiac arm rest, leg support, patient restraint & support e) System compatible ECG Trigger to be provides. f) Table must have provision for 02 sets of integrated detectors for automatic / Semi-automatic detector change without user intervention. 	



	<p>Acquisition Station:</p> <p>a) One Acquisition station independent of main processing unit capable of data acquisition in Cardiac SPECT, Gated SPECT, Static, dynamic, multi-gated, whole body scanning, SPECT and Gated SPECT with facility for automatic markers</p> <p>b) Acquisition console should allow universal networking via dicom ready to both local and wide area networks.</p> <p>b) Image acquisition and data display should be from 64 x 64 matrix up to 256 x 1024 matrix.</p> <p>c) Acquisition termination by preset time, preset count or manual stop.</p> <p>d) Acquisition termination by preset time, preset count with ability to manually pause resume and stop all types of acquisitions.</p> <p>e) Pre-defined acquisition protocol as well as facility for user to configure customized protocol</p> <p>f) Should provide system compatible ECG Gating device with leads and cables for MUGA/Gated data acquisition. There should be ECG and R-R histogram display during acquisition. Indicate frames per R-R interval and maximum frame rate capability.</p> <p>g) Acquisition software should include camera quality control predefined protocol to perform QC as per PNRA guidelines.</p>	
	<p>Multimodality Processing Work Station:</p> <p>a) High performance Latest Multi tasking PC with full DICOM readiness for image transfer to local and distant networks, and print etc.</p> <p>b) Minimum of 128 GB RAM, 12.0 GHz processor speed and 500 TB SCSI hard drive</p> <p>c) High Definition flat panel LED monitor of 23" or more, size from same or a branded manufacturer. Standard DVD & CD combo drive for data Archiving and Retrieving with writer facility for both.</p>	
	<p>Acquisition Workplace</p> <ul style="list-style-type: none"> • High performance acquisition workplace providing a wide range of clinical acquisition cardiac protocols utilizing a graphical user interface, keyboard and mouse: <ul style="list-style-type: none"> ○ SPECT Acquisition Modes should include the following: <ul style="list-style-type: none"> ○ Planar static and dynamic ○ SPECT, gated, non-gated or both ○ Dynamic SPECT 	
	<p>Workflow Features:</p> <ul style="list-style-type: none"> • The system should combine acquisition and display into user customizable workflows 	



	<ul style="list-style-type: none"> Workflow shall automatically print, archive & distribute results to other devices on network <p>Quality Control:</p> <ul style="list-style-type: none"> The system should use automatic and manual motion correction features It should also normalize gated studies and create quality control images such as sinograms and linograms <p>3D Orientation:</p> <ul style="list-style-type: none"> Should be capable of reorienting acquired SPECT volumes interactively to achieve the desired patient position The orientation applied to one volume shall be automatically applied to up to 3 additional volumes <p>Image Registration:</p> <ul style="list-style-type: none"> Multiple techniques shall be available for accurate registration of acquired images Interactive, manual translations and rotations in all 3 planes Triple registration and the choice of output matrix size shall be available <p>Reconstruction:</p> <ul style="list-style-type: none"> The reconstruction engine shall support up to 5 multi-isotope studies concurrently HALF TIME CARDIAC IMAGING SW Standard SPECT, dynamic and gated cardiac volumes shall be created
	<p>Separate MULTIMODALITY processing Workstation with Advance Cardiac processing software (Cedar Cenai; Mishigan or equivalent)</p> <ul style="list-style-type: none"> Outputs include DICOM secondary capture files, result files, reports as well as the ability to generate an AVI or TIFF file. <p>Quality Control Tools:</p> <ol style="list-style-type: none"> SPECT phantoms, Four Quadrant BAR phantom for rectangular detector size Accessories a) System compatible indigenous online UPS with maintenance free batteries for whole system with 30 min or more back up time. The UPS should be of reputed make like LIBERT/APC/ORION/EMERSON, or better. <p>HotLab Items and Accessories: Lead ApronsFull covered (USA) 3 Lead Gloves One pair</p>



1. DOSE CALIBRATOR

Pre-programmed for 88 most commonly used radionuclides (Isotope Selection Keys: Ten pre-programmed – Te-99m, Tl-201, Co-57, Cs-137, I-131, In-111, Ga-67, Xe-133, I-123, and Mo-99; seven additional keys for user-set isotopes; two new isotope keys and a full alphabetical list of 88 isotopes.

Automatic range selection; ranges up to 40 Curies of Te-99m or 10 Curies of F-18

Displays in Curies or Becquerels

Activity Range: 0.01 μCi to 40 Ci (.0004 MBq to 1500 GBq) of Te-99m or 10 Ci of F-18

Energy Range: 25 keV to 3 MeV photons

Remote Ionization Chamber

Self-Diagnostic Software

Desktop or wall mount display

Three-year warranty

RS-232 bi-directional serial communications port

Detector Linearity: $\pm 1\%$ or 0.2 μCi , whichever is greater

Electrometer Linearity: $\pm 1\%$ or 0.2 μCi , whichever is greater

Electrometer Accuracy: $\pm 1\%$ or 0.2 μCi , whichever is greater

Overall Accuracy: $\pm 3\%$ or 0.3 μCi , whichever is greater.

Digital Calibration Dial: Four-digit LED dial display with increment/decrement keys to change the value; range is from 0.0 to 999.9

Detector: Well-type pressurized ionization chamber, with Argon fill gas; well opening 2.75" (7 cm), well depth 10.25" (26 cm) or better

Chamber Gas Pressure: 149KPa gauge (21.6 psig) at 20°C or 250KPa absolute (36.3 psia) at 20°C.

Detector Shielding: .25" (6.3 mm) lead on all sides except top well opening; supplementary shielding available

Chamber Bias: 355 ± 5 volts

Power Requirements: 100 to 240 VAC, 0.6 – 0.3 amps.

Line Frequency: 50/60 Hz; detachable line cord; built-in EMI filter

Warranty: Three Year

Accessories and QC (Sources must have all certificates)

- a. Moly Assay Shield, 0.3" Lead
- b. Syringe Reference Source Set Includes Ba-133=250 μCi , Co-57=5 mCi, Cs-137=200 μCi
- c. Vial Reference Source Set (Ba-133=250 μCi , Co-57=5 mCi, Cs-137=200 μCi)
- d. Shielded Waste Container (Lead Shielding: 0.125" thick (3 mm), Capacity: 20 qt (18.9 L)
- e. Syringe Shield (3 and 5 cc)

2 mm thick Tungsten shielding

5.05 density lead glass window



	<p>Fits most disposable syringes Easily sanitized with alcohol wipes</p>	
<p>2. Tabletop Shield</p>	<p>Lead Shielding: 0.5" thick (1.2 cm) Viewing Panel: Lead Equivalency: 2 mm (an optional lead glass panel can be paired to achieve 4.0 mm lead equivalency) Clear Plexiglas®: For Beta Shielding Viewing Area: 11.1" x 11.1" (28.2 x 28.2 cm) Side and Bottom Shield Lead Shielding: 0.25" thick (.64 cm)</p>	
<p>3. Radioiodine Fume Hood</p>	<p>Dimensions: 24" w x 21" depth x 36" h (61 x 53 x 91 cm) Front Door (Swing-Away): 24" l x 13" h (61 x 33 cm) Motor: 115 VAC, 50/60 Hz, 1 amp fuse; 230 VAC uses a separate external step down transformer</p>	
<p>4. Digital survey Meter</p>	<p>Internal Detector: Halogen quenched GM gamma detector, sensitivity: 1000 cpm/mR/hr (Cs-137 gamma), energy response (60 keV - 3 MeV): within ±25% of true value Display: Four-digit LED display with 0.8" (2 cm) character height or more Display Range: 000.0-9999 Display Units: Available in mR/hr or µSv/h Linearity: Reading within ±10% of true value with detector connected Response: Typically three seconds from 10% - 90% of final reading Status: (Green light) instrument functioning properly Alarm: Low alarm - indicated by yellow light and slow beep (one per second) audible tone (can be set at any point from 0.0 - 9999); high alarm - indicated by red light and fast beep (4 per second) audible tone (can be set at any point from 0.0 - 9999); NOTE: Audible indicators can be configured as a single beep if desired Overload: Senses detector saturation (indicated by display reading "-OL-") Data Output: 9 pin connector providing 5 decade logarithmic output, RS-232 output, signal ground connection, FAIL, and ALARM signals (current sink), and direct connection to battery and ground Power: 90-260 VAC auto ranging or battery power</p>	
<p>5. Rectangular/ Interlocking Lead Bricks</p>		



	<p>Dimensions: 6" 1 x 4" w x 2" h (15 x 10 x 5 cm) or 8" 1 x 4" w x 2" h (20 x 10 x 5 cm) 25 Pieces or more</p>	<p>1. Clear-Lead Mobile Barrier, Standard Window 2pieces Dimensions: Overall Dimensions: 30" w x 75" h (76 x 191 cm) Window: 30" w x 24" h (76 x 61 cm) Opaque Panel: 30" w x 48" h (76 x 122 cm) Shielded Area: 30" w x 72" h (76 x 183 cm) Shielding: Window: 0.5 mm lead equivalency Opaque Panel: 0.8 mm lead</p> <p>Lead Syringe Covers 2 each for 5cc syringes Lead Vial Shields 2 Syringe carrier 1 Area Monitors 2</p> <p>Lead lined decay Drum 1 Hotlab tongs 2 Pocket Dosimeters 4 Well Counter 1</p>	
<p>Others:</p> <ul style="list-style-type: none"> Syringe Pumps2 Microprocessor controlled syringe infusion pump with capability for working on AC power and internal rechargeable battery lasting over 4 hours at flow rates of at least 5ml/hr with full charge. Battery should be easily replaceable and should have provision for running on 12V DC supply like ambulances. Battery level indicator to show battery charge. Should be capable of using 10ml, 20ml and 50ml syringes of more than 5 commonly available commercial syringes. Self-recognition of syringe size. Delivery rate should be form 0.1 ml/hr to 999 ml/hr in 0.1 ml/hr steps and can be put on standby mode. Selectable Purge rates for different syringes like, 1200ml/h in 50 ml, 400ml/h for 20 ml and 300ml/h for 10 ml. Purge rates should be definable and purge volumes may be administrable automatically or manually. High occlusion pressures in multiple settings should be able to deliver in arterial lines. Occlusion 			



	<p>monitor and display of occlusion pressures at more than one level with ability to change the detection pressure.</p> <ul style="list-style-type: none"> • Pump operation should be microprocessor controlled with accuracy of $\pm 3\%$ (mechanical, syringe etc.) pump should have internal accuracy checks frequently. • Alarms for occlusion, near empty, low battery, syringe disengaged, plunger/clutch disengaged, AC/DC disconnection etc. Infusion completion alarm. (keep open rate function) meaning even after completion flow goes on (desirable to be adjustable). • History of last more than 200 display operation events. • User-friendly operation knob is desirable. In case this is not present vendor should indicate how the pump can be started immediately in an emergency situation and the dosage regulations done quickly. Should be capable of automatic calculations and set proper flow rates when dose rate, weight, drug mass, and solution volume are given. • Calculations of mg/kg/min changed to mg/kg/hr. Have facility for drug library with possibility to add more names and option of drug name display during infusion. • Should have computer interface and HL. 7 compliant • Device should be certified as Class I and have protection against splashing liquid. Should be capable of avoiding accidental power off. • Light weight (< 2 kg with or without battery), portable and capability for pole mounting. Separately quote for angle adjustable pole camp • Guarantee for five years with spares and free service for another five years without spares. All accessories to be quoted separately. 	
	<p>ETT MACHINE WITH HEAVY DUTY TREADMILL</p> <p>Features:</p> <ul style="list-style-type: none"> • 12 Lead High resolution ECG processing permits ST measurement and ischemia /Arrhythmia detection. • Full disclosure of entire study of all 12 lead EKG • "Scroll Back" during the test to see episodes that might have been missed (S2) • Export test results into formats, JPEG, XMI, Plain text, GDT, native /RAW data PDF (S2) • Controls many models of treadmill & ergometer. • Free Software updates for life of system • Network Storage enabled • A4 format plain paper printing (cost effective) during the test. • Remote View via Network (S2) 	



- Enables printing processing of saved data (S2)
- Arrhythmia detection print and capture VPB and SVPB(S2)
- Easy interface to EMR (Electronic Medical Record and HIS (Hospital Information System
- Standard as well unlimited user programmed
- Stress test protocols
- Heart Rate Recovery Score (S2)
- DIACOM Compatible

Technical Specifications:

Leads Standard 12 leads

Defibrillation protection

Sensitivity 5,10,20,40 mm/mV

Horizontal scale 5,12.5,25,50,100mm/sec

Signal dynamic range 10mV

DC max. input ± 300mV

Resolution 12 bits (2.44 μV/LSB

ECG maximum sampling rate 4000 samples per second

Input impedance >100 Mohm

GMMR >100 dB

Frequency range (-3db) 0.05~150Hz

Low pass filter 20,35,40Hz

Base line filter Yes

Line noise filter 50/60Hz

Communication interface USB

Power supply 5V ±5%

Current consumption <100mA ±10%

Safety standard Iec60601.1,EN60601-1-2, IEC60601-2-25,IEC60601-2-27

Operating temperature 0°C to 50°C

Storing temperature 20°C to 60°C

User weight capacity 500lb/227kg

Safe low-profile deck 7" (18cm) from floor

Running surface 22"x63"

Self-aligning running belt

	<p>Cushioned and reversible running deck All steel chassis Powder coat finish Emergency stop and patient tether Space requirement 33"x78.5" Heavy duty 4HP (6HP Peak) drive 208~240, 50/60Hz dedicate 15A service Speed Range: Zero start 1-12 mph Self calibration Elevation Range: 0~25% Self calibrating Emergency stop – button on left or right side</p>	
	<p>Computer System: 1. Latest Desk Top Computer with keyboard & mouse 2. Medical grade LED Monitor 23" 3. Latest Professional quality Laser Jet Printer 4. Imported System Trolley</p>	
	<p>Defibrillator Portable, lightweight External and Internal Defibrillator with ECG monitor and External Pacer.</p> <ol style="list-style-type: none"> Should be able to perform noninvasive pacing from a rate of 40bpm to 160bpm in demand and fixed modes. Should have programmable current pulse amplitude from 10mA to at least 160mA. Rate accuracy should be $\pm 1.5\%$ over entire pacing range. Should be fitted with a printer. Defibrillator should administer biphasic shocks (from 2 to at least 360 Joules), including ability to deliver synchronized shocks. The device should be AC/12V DC powered with ability to run on internal battery. Should have ability to display and record at least 3-channel ECG simultaneously. Should have both adult and pediatric internal and external defibrillation paddles. Should have option for disposable patch electrodes from which pacing/ defibrillation/ ECG recording is possible. Should have ability to assess oxygen saturation with a clip-on electrode. Should have facilities for AED, oxygen saturation, external transthoracic pacing (via patch electrodes) 	





300mA Mobile DR System

High frequency x-ray generator with a flat panel detector should be incorporated in a Mobile trolley for x-ray procedures.

X-RAY GENERATOR:

High Frequency x-ray generator, 320mA/125kV.

Microprocessor Controlled

Auto diagnostic System

Overload protection

Output Power 20 kW or better

KVp Range from 40 KVp to 125 KVp or better

mA range from 10 to 320 mA or better.

Automatic selection of mAs

mAs Range 0.1 to 500 mAs or better.

Time range from 1 ms. to 10 sec.

19-23" Touch screen control Panel or better.

Generator Console should be integrated with the digital System

Two steps Hand switch

Audible and light indication for x-ray exposure

APR 450 or more.

Auto Diagnostic System with error code.

Automatic Line Power Detection System

X-RAY TUBE

Maximum Tension, 150 KVp. or better.

Focus sizes: Small focus 0.7 mm. Large focus 1.3 mm or better.

Anode heat capacity 300 KHU

Anode degree target angle, 16°

Manual collimator with 6 pair of leaves or better.

Electronic timer and meter

LED Field light lamp

High Tension Cables 75 kVp or better..

Tube stand column mobile unit.

Motorized Unit, 4 km/h Speed or better.

Pressure Sensitive Moving System

Forward and Backward movement

Battery Charge Indicators



	<p>Anti-Collision System, Frontal and Lateral Touch control panel with sensitive push button. Emergency Stop push button Counterbalanced tube arm. Electromagnetic breaks Maximum Focal Distance 202 cm to the flooror better. Minimum Focal Distance 55 cm to the flooror better. FLAT PANEL DETECTOR Active area: 14" x 17" (35 x 43 cm)or better. Type: Caesium Iodide (CsI) Active area: 13.8 x 16.8 inch (35.0 x 42.6 cm)or better. Pixel matrix: 2,448 (H) x 2,984 (V)or better. Pixel pitch: 143 m Por better. DQE: > 70% or better. A/D conversion: 16 bit Weight: Sensor unit: approx. not more than 3 kg</p>	
	<p>Work Station And Software Integrated Workstation on Mobile Trolley Computer for Mobile Application Medical Grade display CPU: Intel Core Pent Duo T7500 - 2.2 GHzor better. Operating System: Window XP Pro o Memory: 2GB RAM, Dual Channel, Integrated Graphics Media Accelerator Network: 2 gigaBit-Ethernet Hard disk drive: 1 TBor better. Medical Grade LED 23" or better.</p>	
	<p>Professional acquisition software for x-ray images: Professional acquisition software for X-ray images from flat panel systems (DR). Patient registration .Generator Synchronisation. Compression of dynamic Range Edge Enchantment ,Window and level adjustment. Automatic and Manual , Image rotation , Image Inversion , Text annotations , Measurements , Post-processing marks Electronic collimation. Automatic and Manual , Zoom x3 . Noise reduction, Multi-image viewing on monitor, and printing composition , Automatic and Manual image storage and printing . Image processing . Image</p>	

	<p>management (PACS, HIS/RIS etc...) DICOM Communication, full DICOM 3.0 Compatibility DICOM worklist from HIS/RIS Store Images through PACS network system DICOM image print DICOM MPPS Modern graphical user interface. Touch screen operation Capture of patient data via DICOM worklist. Fully integrated radiographic positioning guide. Exam Specific Algorithms image processing Automatic image optimization Instantaneous acquisition of image & quickly image processing Advanced noise reduction technology Optimized image calibration technology & minimized radiation dose. OR Equivalent</p>	
	<p>Origin: UK/USA/GERMANY/ JAPAN/ BRANDED OR Equivalent</p>	

CIVIL WORKS

The bidder will sponsor or get done from their team or a nominated contractor, construction and alteration of the present premises. (Proposed design map is available with end user).

This will include, Complete Lead Lining of all rooms, hot lab sections, waiting area. Lead Glass in control room and other areas of need identified later, Lead lining of all required doors, partitions and others. Vinyl flooring where needed, False ceiling with LED lights, Coloring, Air conditioning of all areas, Furniture and Fixtures of all sections, replacement of aluminum doors with high quality flush doors associated with door closures, locks, etc.

All electrical fittings including DB, ATS panel, and power cabling from the source and standby Generator to the Gamma Camera and relevant equipment.

All Civil works must be commensurate with PNRA specification and standards.

Bidders are requested to visit the site of installation before submitting the bid for confirming the feasibility of installation at the designated site in writing. Commercial offer should include turnkey offer for repair, renovation of existing Gamma Camera room.

Provision of **TWO hundred and Fifty KVA** diesel generator with Canopy, transportation, and installation and all relevant cables and panels to connect to nearby DB. Gas Connection will be provided.



PNRA

The vendor will pay the registration fee for initial registration to PNRA on behalf of the Hospital, which will not be more than one million.

TRAINING

Vendor will provide training of doctor/doctors (for 7 days or more) and technologist / technologists (for 7 days or more) at a reputed centre, in addition to comprehensive in-house training at installation site by application specialist.

SCHEDULE – 'B' FORMAT OF

CONTRACT AGREEMENT TO BE SIGNED BETWEEN MEDICAL SUPERINTENDENT LIAQUAT UNIVERSITY HOSPITAL, HYDERABAD AND THE SELECTED VENDOR FOR SUPPLY, INSTALLATION AND COMMISSIONING OF EQUIPMENTS

AGREEMENT

- This agreement made on the(DATE)..... day of(MONTH).....Two Thousand ...(YEAR)..... between the Medical Superintendent, Liaquat University Hospital, Hyderabad Sindh (hereinafter called theMS, LUH include the successor in office and assigned) of THE FIRST PART and M/s(complete address of the supplier) (hereinafter called the(vendor name)..... include the successors in office and assigned) of the SECOND PART;
2. Whereas M/s(vendor)..... submitted a tender No. dtd..... for supply of(selected item name with make & model)..... in pursuance of the tender notice issued by the First Party vide No.....(purchaser's tender notice no. & date).....
 3. Whereas M/s(vendor)..... is selected by the MS, LUH for supply & installation of the said equipment as mentioned in clause No.2 as per technical specifications incorporated to this Agreement as Annexure-2.
 4. Whereas M/s(vendor)..... has been authorized to represent M/s(name of principal in case selected vendor is a authorized dealer / agency)..... vide letter No..... dt..... attached in the technical part of their tender [Annexure-3] is the part of this Agreement.
 5. Whereas M/s(vendor)..... on behalf of its principal M/s (Principal)..... has agreed to honour all the conditions stated in the tender referred under clause (2) above and also the terms & conditions as laid down in Annex-1 (Terms & conditions).
 6. And whereas, M/s(principal)..... has relinquished its claim on the tender conditions under Clause (2) above by authorizing M/s(selected vendor).....
 7. Now, the agreement witnesses the following:-
 (A) SUPPLY, TRANSPORT : M/s(vendor)..... will supply(name of selected equipment with make & model)..... on buy back basis within weeks / months (as per conditions quoted by tenderer) from the date of receipt of the formal supply order with the product configuration as mentioned at Annexure – 2 and will abide by all the terms and conditions as laid down here-in-under and in the Notice Inviting Tenders as aforementioned.
 (B) TRANSPORT TO THE SITE : The equipment shall be transported to the site of Liaquat University Hospital, Hyderabad Sindh by M/s(vendor)..... The Customs Clearance and payment of all other charges whatsoever will be the responsibility of the M/s(vendor)..... the Second Party. However MS will provide the documents needed for relief of custom duty.



(C) INSTALLATION: The above equipment will be installed within 4 (Four) Weeks of delivery by M/s(vendor)..... at the site as may be provided by Liaquat University Hospital, Hyderabad Sindh.

(D) COMMISSIONING : The above equipment will be commissioned and handed over to END USER (through MS.LUH) by M/s(vendor)..... for hospital/clinical use. All the requirements for hospital use of the equipment shall be fulfilled by M/s(vendor).....

(E) ACCEPTANCE TEST :

- (i) Whereas the equipment is to be installed at the site and the acceptance test shall be performed by M/s(vendor)..... in presence of to MS.LUH (through END USER)/ expert whoever may be.
- (ii) The acceptance Test shall be performed and shall be minuted by M/s(vendor)..... A signed copy of the said minute shall be submitted to MS.LUH (through END USER). Possible short coming / deviation in the equipment as compared to the specifications and / or to the acceptance test set out shall immediately be rectified by M/s(vendor)..... at its own cost and risk.
- (iii) Upon the Acceptance test having been successfully performed to prove compliance of the equipment / unit with the Agreement, the certificate of acceptance shall be prepared and signed by M/s(vendor)..... and countersigned by to MS.LUH (through END USER) shall form evidence of acceptance of the equipment under this Agreement.

(F) USAGE :

(i) The MS.LUH undertakes not to use the equipment or cause or allow the equipment to be used prior to the issuing of a certificate of acceptance.

(ii) The equipment delivered and installed under this Agreement is to be operated and used at the site only. M/s(vendor)..... is responsible for handing over the equipment for hospital use of to MS.LUH.

(iii) All mandatory requirements for making equipment fit for hospital use are the responsibility of M/s(vendor).....

(iv) MS.LUH will operate the equipment through competent personnel adequately to be trained by M/s(vendor)..... for use of the equipment.

(g) WARRANTIES :

- (i) years comprehensive warranty from the date of handing over of the equipment / machinery including local items & UPS with batteries, after possessing the acceptance test and in working condition for hospital use to MS.LUH shall be provided by M/s(vendor).....
- (ii) During the warranty period M/s(vendor)..... will provide maintenance service and any spare parts will be replaced free of charge.
- (iii) Any new application software up-gradation will be provided free of cost and without any extra charges during the warranty period.
- (iv) M/s(vendor).... or its authority shall during the warranty period render free services in order to make the equipment functioning uninterruptedly.

(v) In order to enable to avail itself of its rights under this warranty, to MS.LUH shall immediately intimate M/s(vendor)..... in writing of any defect to MS.LUH shall further give M/s(vendor).... every opportunity of inspecting and remedying such defects.

(vi) Uptime Guarantee of 95% of 365 days (24 Hours basis) will be ensured during warranty and Comprehensive AMC period. Any extra day of downtime beyond permitted 5% will be compensated by a penalty at the following rates per day of extra downtime.

- Rs. 25000/- per day for equipment value above Rs.200.00 lakhs
- Rs. 20000/- per day for equipment value above Rs.100.00 lakhs upto Rs.200.00 lakhs
- Rs. 15000/- per day for equipment value above Rs.75.00 lakhs upto Rs.100.00 lakhs
- Rs. 10000/- per day for equipment value above Rs.50.00 lakhs upto Rs.75.00 lakhs



- Rs. 5000/- per day for equipment value above Rs.20.00 lakhs upto Rs.50.00 lakhs
- Rs. 2000/- per day for equipment value above Rs. 10.00 Lakhs upto Rs.20.00 lakhs
- Rs. 1000/- per day for equipment value above Rs.5.00 lakhs upto Rs.10.00 lakhs
- Rs. 500/- per day for equipment value above Rs. 1.00 lakh uptoRs. 5.00 lakhs

This penalty amount will be adjusted by extending CMC / AMC period.

(vii) Comprehensive / Non-comprehensive Annual Maintenance Contract: On expiry of the year's warranty period, M/s(vendor)..... will provide Annual maintenance contract for the equipment including local items & UPS (with batteries) from year to 10th year either comprehensive or non-comprehensive, which will be opted by the First Party, at the following frozen rates. Year AMC charges (Rs.) CMC charges (Rs.)..... year as per rates offered by the selected vendor as per rates offered by the selected vendor 7 th year 8 th year 9 th year 10th year The Performa for Annual Maintenance Contract will be as per Annexure-4 attached to this agreement. The AMC agreement shall include minimum of 4 preventive maintenance visits and any number of breakdown calls per year. The Service Engineer of the second party will attend all breakdown calls within 24 hours after receipt of intimation from the first party. Any repairs required will be carried out within 72 hours by the second party.

During the period of comprehensive maintenance contract, the spare parts to be required will be supplied by M/s.....(selected vendor)..... free of cost. However under Non-comprehensive Maintenance contract, spare parts will be charged extra. All software updates should be provided by the second party free of cost during the CMC period. The supplier will (the second party) guarantee towards supply of spare parts and maintenance of the equipment for a period upto 15th year.

(H) PRODUCT LIABILITY:

The equipment will be handed over to MS,LUH (through END USER) for surgical use. Upto the date of handing over the equipment, the insurance and other charges is the responsibility of M/s.....(selected vendor).....

(I) **VISIT AT SITE:** M/s.....(selected vendor)..... or its authorized persons shall be entitled at their own cost and risk, to visit and to inspect the equipment or any part thereof, as the case may be at the site. No charges shall be levied from MS,LUH in connection with such visits / inspections.

(J) **TRAINING:** For use of the above equipment comprehensive training will be imparted to the users of the Institute at a busy institution, where same machine and model are in use, till familiarity with the system by M/s.....(selected vendor)..... free of cost. The operational manuals / user's manual in English Language and other materials of the equipment will be supplied by M/s.....(selected vendor)..... MS,LUH (through END USER). M/s.....(selected vendor)..... (vendor) will also provide training of one doctor (for 7 days) and one technologist (for 15 days) at a reputed centre in addition to comprehensive in-house training at installation site by application specialist.

(K) **INSPECTION:** The tenderer will arrange at no additional cost comprehensive inspection of the product before shipment at source by the end users.

(L) **INDUSTRIAL AND INTELLECTUAL PROPERTY RIGHT:** M/s.....(selected vendor)..... is responsible for future maintenance of the equipment in the event of change of ownership or technology of the above product.

(M) **BANK GUARANTEE:** M/s.....(selected vendor)..... will submit Bank Guarantee being 10% of the total value of the equipment towards satisfactory performance and services during warranty period in the prescribed format attached to this agreement as Annexure-5 within 30 (thirty) days from the date of receipt of formal purchase order from the First Party after signing of the contract by all the parties to the agreement. The bank guarantee shall remain valid 60 (sixty) days beyond the warranty period of the equipment. The second party shall also submit performance bank guarantee @ 2.5% of the equipment value (as per contract) during the post-warranty Annual Maintenance Contract (comprehensive) in the prescribed format 'Annexure-6'.

15



(N) **FORCE MAJEURE** : (i) Either party shall be entitled to suspend performance of its obligations under this agreement to the extent that such performance is impeded or made unreasonably onerous by any of the following circumstance –

(i) Industrial dispute, or any other circumstances beyond the control of the parties such as fire, war, extensive military mobilizations, insurrections, requisition, seizure, embargo, restriction in use of power; (ii) The party claiming to be effected by force-majeure shall notify the other party in writing without delay on the intervention and on cessation of such circumstance.

(O) **PREMATURE TERMINATION** : Notwithstanding anything to the contrary expressed or implied in this Agreement and without prejudice to any other rights or remedies available to it MS.LUH may after having given M/s.....(selected vendor)..... not less than 30 calendar days' notice to that effect terminate this agreement in the event that the M/s.....(selected vendor)..... has committed any breach or violation of any fundamental terms & conditions of this Agreement and fails to remedy the said breach or violation within 30 calendar days of such notice.

(P) **VALIDITY** : This agreement shall be governed by the laws of Pakistan and within the jurisdiction of Sindh High Court.

(Q) **DELAYED DELIVERY**: M/s..... (selected vendor).... M/s..... (selected vendor).... must agree to compensate by extending the warranty period to the extent of twice the number of total days of delay on account of delayed delivery on the equipment upto a maximum period of one month for reasons which are directly under its control. If the delay in delivery exceeds one month, in addition to the above, penalty at the following rates will be imposed against the vendor which will be recovered from the EMD / security deposit / bank guarantee. The vendor will pay a penalty of Rs. 25000/- per day for equipment after the end of grace one month, till the machine is delivered on site of installation.

It is, hereby agreed to set our signatures and seals as confirmed acceptance of the terms and conditions from either side i.e. Liaquat University Hospital, Hyderabad Sindh, represented by the Medical Superintendent as FIRST PARTY and M/s..... (selected vendor).. represented by Mr..... as SECOND PARTY. For and on behalf of Liaquat University Hospital, Hyderabad Sindh. For and on behalf of M/s.....(selected vendor)..... Witnesses: 1. 2. 1. 2. 16

Annexure - 1

Terms and conditions governing the supply, installation & commissioning(equipment name, model & make).....
1. The equipment will have to be supplied as per the enclosed configurations against each item (Annexure : 2) and as per the tender No.....(Tender Notice no. & date)...

2. The equipment should be current at the time of dispatch, i.e. to provide all latest and state of the art equipment.

3. M/s(vendor)..... will supply(name of selected equipment with make & model)..... on buy back basis within weeks / months (as per conditions quoted by tenderer) from the date of receipt of the formal supply order with the product configuration as mentioned at Annexure – 2 and will abide by all the terms and conditions as laid down here-in-under and in the Notice Inviting Tenders as aforementioned.

4. The price of the equipment with its accessories will be Rs.....which is inclusive of customs duty, clearing & forwarding charges, Octroi, VAT / CST and all other charges withyears comprehensive warranty.

5. Payment terms & conditions



(i) The payment will be made only on receipt of final Job Completion Report of the supply, if supplied on FOR basis, installation & commissioning of the equipment from the Inspection Committee to be constituted by the First Party (Purchaser). In this connection, the Second Party (Supplier) will submit bill for payment after satisfactory supply, installation and commissioning of the equipment.

(ii) Payment for imported items (in case tenderer specifically mentioned in the tender offer) will be made through Letter of Credit. 80% of the total LC amount will be released to the Supplier against delivery of the equipment and balance 20% will be released on receipt of final Job Completion Report from the Inspection Committee to be constituted by the Purchaser after satisfactory installation and commissioning of the equipment.

6. M/s.....(selected vendor)..... will submit Bank Guarantee being 10% of the total value of the equipment towards satisfactory performance and services during warranty period in the prescribed format attached to this agreement as Annexure-5 within 30 (thirty) days from the date of receipt of formal purchase order from the First Party after signing of the contract by all the parties to the agreement. The bank guarantee shall remain valid 60 (sixty) days beyond the warranty period of the equipment.

The second party shall also submit performance bank guarantee @ 2.5% of the equipment value (as per contract) during the post-warranty Annual Maintenance Contract in the prescribed format 'Annexure-6'.

7. M/s.....(selected vendor)..... shall have to deliver the above equipment within weeks from the date of receipt of formal supply order.

8. M/s.....(selected vendor)..... will have to enter into a contract for supply, transport to the site, installation and commissioning of the equipment.

9. On expiry of the year's warranty period, M/s(vendor)..... will provide Annual maintenance contract for the equipment including local items & UPS (with batteries) from following year to 10th year either comprehensive or non-comprehensive, which will be opted by the First Party, at the following frozen rates. Year AMC charges (Rs.) CMC charges (Rs.) year as per rates offered by the selected vendor as per rates offered by the selected vendor each till the 10th year. The proforma for Annual Maintenance Contract will be as per Annexure-4 attached to this agreement.

The AMC agreement shall include minimum of 4 preventive maintenance visits and any number of breakdown calls per year. The Service Engineer of the second party will attend all breakdown calls within 24 hours after receipt of intimation from the first party.

Repairs of any required will be carried out within 72 hours by the second party. During the period of comprehensive maintenance contract, the spare parts will be required will be supplied by M/s.....(selected vendor)..... free of cost. However under Noncomprehensive Maintenance contract, spare parts will be charged extra. All software updates should be provided by the second party free of cost during the CMC period.

10. M/s.....(selected vendor)..... assures for reparability, availability of spare parts for maintenance of the unit for a minimum period upto 15th year. 11. Whereas the above equipment goes out of order it would be attended by M/s(selected vendor)'s service engineer within 24 hours from the date of receipt of information from Liaquat University Hospital, Hyderabad Sindh.. The supplier will remain responsible to the Liaquat University Hospital, Hyderabad Sindh, for proper functioning of the equipment regularly and effectively.

Annexure – 2 (part of Agreement)

SPECIFICATIONS OF SELECTED EQUIPMENTS Technical specifications make & model of the equipment as offered by the vendor and as per recommendation of the Technical Assessment Committee/ Purchase Committee / Finance Committee / Management Council (to be included in details)

Warranty

The tenderers must quote for 5 years onsite warranty from the date of completion of the satisfactory installation as certified by the end user.

The Warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected.



Bidders will provide a certificate from the original manufacturer that they will stand responsible and fulfill the contractual responsibility in case of change, or liquidation, of present local agents.

Also the Bidders should submit their quote for subsequent 5 years on site comprehensive maintenance contract (CMC) (include free labour, repair, other services & spare parts).

Failure to comply this condition will entail the rejection of the Bids.

The price comparison shall be made taking into account on basic price and post warranty CMC.

The Rate Contracting Authority reserves the right to award CMC.

The amount of CMC would be released to the supplier on successful completion of the maintenance of that particular year duly certified by the user department.

Service

The supplier will ensure regular maintenance service by the appropriate engineer certified by the manufacturer having the technical know-how of the equipment.

Maintenance

As the cost of the equipment is more than Pak Rs. Five Lakhs, the supplier has to include in the bid a comprehensive maintenance contract with the purchaser for five years after the lapse of mandatory warranty period. Without this tender will be considered incomplete and summarily rejected. The supplier shall ensure quality maintenance / check service of minimum 4 times a year in addition to the calls that might be raised by the user department.

Non-compliance of any of these conditions or any of the conditions mentioned in the document renders the purchaser to blacklist the supplier along with appropriate legal actions.

Downtime penalty Clause

During the Guarantee/warranty period, desired uptime of 95% of 365 days (24 hrs) if downtime more than 5% the institute shall be entitled to impose penalty equal to amount of 0.05% of the total cost of the equipment per day for the first seven days will be payable by the vendor which will doubled on subsequent weeks along with extension of warranty period to further five years by the excess down time period i.e. more than 10%.

The vendor must submit an undertaking from the original manufacturer guaranteeing supply of all spares for optimal upkeep of the equipment for at least TEN YEARS after commissioning of the unit in the department.

Solvency & Liquidated Damages

Vendor will submit a certificate from the original manufacturer, duly endorsed and authenticated by the embassy/consulate in Pakistan that incase of Liquidation of vendor or change of dealership in TEN YEARS from date of commissioning of the merchandise, the manufacturer will be responsible to honour the CMC and AMC directly or through a third party.

If the supplier fails to deliver any or all of the goods or fails to perform the service within the time frame(s) incorporated in the tender, the Purchaser shall, without prejudice to other right and remedies available to the Purchaser under the tender, deduct from the quoted price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of the quoted price. Once maximum 10% of value of delayed supply is reached, Purchaser may consider termination of the tender.

FORCE MAJEURE:



If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been.

If the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, Liaquat University Hospital Hyderabad, party may, at least option to terminate the contract.

Insolvency etc.:

In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified, Liaquat University Hospital Hyderabad shall have the power to terminate the contract without any prior notice.

Breach of Terms and Conditions:

In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/job without assigning any reason thereof and nothing will be payable by Liaquat University Hospital Hyderabad. In that event the security deposit shall also stand forfeited.

Subletting of Work:

The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of Liaquat University Hospital Hyderabad, which will be at liberty to refuse if it thinks fit.

One tenderer shall submit only one tender.

Tenderer must provide evidence of having supplied to at least 3 reputed government / reputed private organizations in Sindh including at least one government institution & atleast 1/3 contract value in the last three years.

Tenderer must provide certificates from the end users of these institutions of satisfactory provision of after sale service.

The demonstration of the equipment forms an essential part of the tender. The bidder has to arrange for the demonstration of the equipment with no financial assistance from.

Provision of Operating and Service Manual in ENGLISH language is mandatory without which the product will not be accepted.

Vendors have to provide certificate from original manufacturer that the equipment is fresh, and a brand new piece.

Hospital reserves the right to forfeit the equipment, demand a brand new replacement and initiate criminal proceedings against the vendor should it at any stage discover that, used or refurbished product was supplied

N.B: -

- 1 Sole agent Certificate / Authority letter from the manufacturer must be provided by the bidder.
- 2 The supplier will be bound to train nominated technical personnel to operate and for repair and maintenance of supplied equipment.



3. Joint inspection will be carried out by consignee representative / End User, and Director Bio-Medical Govt. of Sindh or his representative.
4. Guaranteed presence of manufacturer's trained service engineer in Karachi.
5. Presence of manufacturer's engineer and application specialist during commissioning phase.

DELIVERY PERIOD: VALIDITY:

General Conditions & Instructions:

- 1.1 The tenders shall be submitted with all documents and drawing literature & catalogue (in equipment) in sealed envelopes, with sealing wax. The envelope must contained tender enquiry No. on the top. The name of manufacturer and the supplier should be affixed on the face of envelope at the left side.
- 1.2 Tenders must be filled in with blue or black ink in the columns provided/on separate letter Head duly signed & Stamped.
- 1.3 The tenders must be free from erasing cutting and over writing. In case of erasing, cutting and over writing, authorized person should initial it.
- 1.4 The rates of each item should be written in figures as well as in words. In case of discrepancy the price in words will be taken as authentic and final.
- 1.5 Conditional Tenders will be ignored and will not be considered/entertained/accepted.
- 1.6 Tenders from shall be accompanied by Earnest Money @ 2.5% of the value of stores quoted by them in form of call Deposit / pay order.
- 1.7 Original purchase receipt must be enclosed with their offer.
- 1.8 The tendered rate should be inclusive of all taxes, Income & Sales Tax etc payable to Federal & Provincial Govt or Local bodies and no claims on this account shall be entertained.
- 1.9 The bidder shall furnish General sales tax (GST) Registration Certificate of the firm failing which the offer will be ignored. In case the item is exempted from GST either documentary evident or certificate from competent authority shall be attached with the offer.
- 1.10 The bidder shall furnish copy of NTN Certificate.
- 1.11 The bidder shall furnish copy of valid professional Tax (Excise & Taxation) Certificate
- 1.12 The bidder shall furnish an affidavit on non-judicial stamp paper of Rs.100/- that the firms is not black listed in any Govt Departt.
- 1.13 The bidder shall furnish minimum three years experience in relevant field with documentary proof.
- 1.14 The bidder shall furnish three years minimum Thirty Million Turn over per year with Bank Certificate
- 1.15 The bidder shall furnish three years Income Tax Return Certificate.
- 1.16 The bidder shall furnish photocopy of call deposit without showing amount in technical bid and original with financial envelope.

2. **SPECIAL CONDITIONS:**

- 2.1 Store is required immediately. The tenders may, however, give their short guaranteed delivery period by which the supply will be completed positively.
- 2.2 Tenders are required to specify make, country of origin and furnish detailed technical Description literature / catalogue along



- with their offer.
- 2.3 The Bidders shall quote their firm and final price both in figures & words on "Free Delivery basis to Consignee end.
 - 2.4 Also choice to select/ignore any their alternate offers shall rest with the purchaser.
 - 2.5 No manufacturer shall authorize their distributor/agent/any firm or person to quote the same item which manufacturer is quoting it self in any tender. Failing that offers of both the manufacturer, which the manufacturer as well as other bidder shall be ignored.
 - 2.6 Tenders shall purchase separate tender documents and furnish purchases receipts for each alternate offer in case they want to submit alternate offer for any items. All the bids with alternate offers without separate purchases receipt (Original) are suppose to be rejected.
 - 2.7 The bidder shall confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt./Semi Government institution or Armed Forces in the province or out side in the same fiscal year.
 - 2.8 The Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal.
 - 2.9 The envelope shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion.
 - 2.10 Initially, only envelope marked as "TECHNICAL PROPOSAL" shall be opened.
 - 2.11 The envelope marked as "FINANCIAL PROPOSAL" shall be retained in the custody of the procuring agency without being opened.
3. **Purchaser's Right Vary Quantities at time of award.**
 The Purchaser reserves the right to increase/decrease or delete the quantities of goods etc at the time of award of contract and also reserves the right to enhance the quantity by 25% of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions of goods at any time during the contract period. The purchaser reserves the right to accept or reject any bid, and to annual the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders on the grounds for the Purchaser's action
4. **Notification of Award/Advance Contract:**
 - 4.1 Prior to the expiration of the period of bid validity the purchaser will notify the successful bidder in writing delivery by hand or by registered letter by cable to be confirmed in writing by registered letter that is bid has been accepted.
 - 4.2 The notification of award will constitute the formation of the contract.
 - 4.3 Upon the successful bidder furnishing of the performance security pursuant to Sr.No.1.1 of the instructions and Sr.No.3 of the advance contract the purchase will promptly notify each unsuccessful bidder and will discharge its bid security on receipt of bidder's request.
 5. **Award of Contract & Contract Agreement**



Subject to the fulfillment of all codal formalities the purchaser will award the contract to the successful Bidder who's bid has been determined to be qualified to perform the contract satisfactory.

6. **Performance Security:**

The successful tenders will have to deposit with the purchaser 9% Security Deposits of the total value in shape of call Deposit / Pay Order same will be return after 02 year warranty period.

7. **Criteria for evaluation of bids.**

- a. Quoted prices.
- b. Specification compliance/preferred functions
- a. After sale service facility (In case of equipment)
- b. Operational cost (In case of equipment & Vehicle)
- c. Delivery schedule
- d. Authority letter from manufacturer
- e. Earnest money.

8. **Fee for Award of Contract:**

Service charges @ 0.3% of the value of the Contract will be realized/charged by the A.G. Sindh, while making payment to the contractors for award of each contract (Stamp Duty).

9. **Undertaking:**

9.1 That I/we agree whether our tender accepted for total partial or enhanced quantity for all or any single item. I/we also agreed to supply and accept the said item at the rates for the supply of contracted quantity with in the stipulated period shown in the contract.

9.2 I/we understand and confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt./Semi Govt: institution in the Province in the same fiscal year.

9.3 I/we undertake that, if any of the information submitted in accordance to this tender enquiry found incorrect our contract may be cancelled at any stage on our cost and risk.

10 **CERTIFICATE**

We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender.

Signature of Tenderer.....

Name & Designation.....

Address:.....

Income Tax

G.S.T No: _____

CNIC No: _____

(Photo Copies must be enclosed)



Prof. Raheel

**GOVERNMENT OF SINDH
HEALTH DEPARTMENT**

NOTIFICATION

No. SO(PM&I)2-1/2016-17/PM-05(LUH): A Procurement Committee under Rules-7 of Sindh Public Procurement Rules 2010 is hereby constituted comprising the following for procurement of Plant & Machinery in S.N.E. for the year 2016-17 at Liaquat University Hospital, Hyderabad.

01	Prof. Raheel Hussain, Head of Cardiothoracic Surgery, Liaquat University of Medical & Health Sciences, Jamshoro.	Chairman
02	Dr. Shahid Hussain, Nuclear Physician NIMRA	Member
03	Dr. Sajjad, Nuclear Physist NIMRA	Member
04	Representative from Health Department, Govt. of Sindh, Karachi.	Member
05	Representative of District Accounts Officer, Hyderabad	Member

- The TORs / Functions / Responsibilities of the Procurement committee in accordance with Rule-8 of SPP Rules 2010 shall be as under:
- Preparing bidding documents;
 - Carrying out technical as well as financial evaluation of the bids;
 - Preparing evaluation report as provided in Rule-45;
 - Making recommendations for the award of contract to the competent authority;
 - Perform any other function ancillary and incidental to the above.

SECRETARY HEALTH

No. SO(PM&I)2-1/2016-17/PM-05(LUH):

Karachi, dated: 30th September, 2016

C.C to:

- The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
- The Medical Superintendent, Liaquat University Hospital, Hyderabad w/r to his letter dt: 29.08.2016.
- The District Accounts Officer, Hyderabad.
- The Chairman & all members of the Committee.
- The P.S. to Secretary Health.

(Signature)
(NAVEED AHMED SOOMRO)
SECTION OFFICER (PM&I)



7258 21-11-16
LUMHS, Hyderabad.

NOTIFICATION

No.SO(PM&I)2-1/16-17/M-05(LUH): A Technical Committee comprising the following officers is hereby constituted for Technical Evaluation of bids for procurement of Thallium Scanner under S.N.E. for the year 2016-17.

1.	Prof. Dr. Raheel Hussain, Head of Cardiothoracic Surgery, LUMHS Jamshoro	Chairman
2.	Professor of Surgery (nominated by Dean of Surgery) LUMHS Jamshoro	Member
3	Executive Director, Electromedical Workshop Jamshoro.	Member

SECRETARY HEALTH

No.SO(PM&I)2-1/16-17/M-05(LUH):

Karachi, dated 17th November 2016

A copy is forwarded for information & necessary action to:-

- The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
- The Medical Superintendent, Liaquat University Hospital, Karachi.
- ✓ The Chairman and all members of the Committee.
- The P.S. to Minister Health Sindh.
- The P.S. to Secretary Health Sindh.


SECTION OFFICER (PM&I)

S. Borachi.

Keep in record

1/
LUMHS
21/16



NOTIFICATION

In pursuance of Rules-31 and 32 of Sindh Public Procurement Rules 2010, the Government of Sindh, Health Department is hereby constituted Complaint Redressal Committee (CRC) comprising of the following officers for scrutinizing the complaints of aggrieved bidders.

01	Special Secretary, Health Department, Sindh	Chairman
02	Director General, Health Services Sindh, Hyderabad.	Member
03	Additional Secretary (PM&I), Health Department, Sindh.	Member
04	Representative of Accountant General, Sindh.	Member
05	Mr. Ali Imam Qadri, Consultant (Procurement)	Member

TORs

- To Scrutinize the complaints from the aggrieved bidders and decide the cases strictly in accordance with SPP Rules 2010.

INAMULLAH
SECRETARY HEALTH

No. S.O.(PM&I) 2-1/2011(CRC)

Karachi, dated, the 29th July, 2013

C.C to:

1. The Accountant General Sindh, Karachi.
2. The Director General Health Services Sindh, Hyderabad.
3. The Chief Secretary Sindh, Karachi.
4. The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
5. The Additional Secretary (Admn/Development/Public Health).
6. The Director Industries, Govt. of Sindh, Karachi.
7. The All members of the Committee.
8. The P.S. to Secretary Health Sindh.

(*Muhammad Anwar Khokhar*)
SECTION OFFICER (PM&I)

845
31/8/13
E.K.

LIAQUAT UNIVERSITY HOSPITAL, HYDERABAD / JAMSHORO
FINANCIAL YEAR 2016-17

S.No:	Description of Procurement.	Qty	Estimated Total cost	Funds Allocated	Source of funds (ADP / Non ADP)	Proposed Procurement method	Timing of Procurement				Remarks
							1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
1	Drugs / Medicines & Surgical Items (L.P)		87.75 M	87.75 M	Non ADP	Single Stage Two Envelope	In all quarters as per Requirement				
2	Dietary Items.		34.13 M	34.13 M	do	do		do			
3	Uniform & Liveries		3.18 M	3.18 M	do	do		do			
4	Misc / Petty / Electric Items.		4.39 M	4.39 M	do	do		do			
5	Medical Gases		19.69 M	19.69 M	do	do		do			
6	Janitorial Services & Items.		9.45 M	9.45 M	do	do		do			
7	Printing Articles.		0.92 M	0.92 M	do	do		do			
8	Stationary Articles		0.55 M	0.55 M	do	do		do			
9	Instruments		3.68 M	3.68 M	do	do		do			
10	Consumable Items / Pathology Kits & Chemicals.		11.08 M	11.08 M	do	do		do			
11	Deployment of Security Guards		13.20 M	13.20 M	do	do		do			
12	Repair of Machinery / Equipment		19.88 M	19.88 M	do	do		do			
13	Repair of Furniture / Fixture.		1.98 M	1.98 M	do	do		do			
14	Drugs / Medicines under Zakat Fund (Bulk)		42.0 M	42.0 M	do	do		do		Subject to Release of Funds	
15	Drugs / Medicines under Zakat Fund (LP)		28.0 M	28.0 M	do	do		do		Subject to Release of Funds	
16	Drugs / Medicines & Surgical Items for Cardiothoracic Surgery Department		10.0 M	10.0 M	do	do		do		Subject to Release of Funds	
17	Machinery Equipment under SNE		55.0 M	55.0 M	do	do		do		Subject to Release of Funds	
18	Furniture / Fixture under SNE				do	do		do		Subject to Release of Funds	
19	Stores Purchase under ADP Scheme				ADP	do		do		Subject to Release of Funds	

List Enclosed

Handwritten signature

Medical Superintendent
Liaquat University Hospital
Hyderabad / Jamshoro