



## **Lady Reading Hospital**

Medical Teaching Institution (MTI)

Peshawar

Contact No: 091-9211430 Ext:1702

Interested bidders are required to submit the Non-Refundable fees of **PKR Five thousand (5000)** only in the MCB Bank “LRH Receipts Account No:0847608141003952” prior to submission of Bids. (Separate Fee should be submitted with each tender).

The Receipt must be attached with the submitted bid. If the receipt not found in bids, then the said bidder will be considering Disqualified.

- i. (Original receipt in financial bids)
- ii. (Copy of receipt in technical bids)

### **BID SOLICITATION DOCUMENTS**

## **MEDICAL GAS PIPELINE SYSTEM FOR IMPORTED ITEMS 2025-2026**

**Note:** The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

\_\_\_\_\_  
**Manager Material Management**  
**LRH-MTI.**

\_\_\_\_\_  
**Legal Officer**  
**LRH-MTI.**

\_\_\_\_\_  
**Oxygen Plant/HVAC Eng.**  
**LRH-MTI**

\_\_\_\_\_  
**Sup Oxygen Plant**  
**LRH-MTI.**

\_\_\_\_\_  
**Director Finance**  
**LRH-MTI.**

\_\_\_\_\_  
**Nursing Director**  
**LRH-MTI**

\_\_\_\_\_  
**Associate Hospital Director**  
**LRH-MTI.**

\_\_\_\_\_  
**Medical Director**  
**LRH-MTI.**

\_\_\_\_\_  
**Hospital Director**  
**LRH-MTI**

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## 1. INTRODUCTION:

Lady Reading Hospital Peshawar - Medical Teaching Institution (LRH-MTI) invites item wise sealed bids from the Manufacturer/Authorized Dealers for procurement of **“Medical Gas Pipeline system for Imported Items 2025-2026”** for Hospital Open Competitive Bidding under rule 6(2) (b) **“Single Stage Two Envelope”** bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

## 2. INSTRUCTIONS TO BIDDERS:

1. This Bidding procedure will be conducted in light of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Laws, Rules made there under along with Standard Bidding Documents.
2. Both Technical Bids and Financial Bids must be submitted in two separate sealed inner envelopes marked “1-Technical Bids” and “2-Financial Bids” which should be packed in one outer envelope.
3. The technical bids will be opened on     /     /2025 at **11:30 AM** in presence of the bidders/representatives who choose to attend while the financial bids will be opened later on after the evaluation of technical bids. Financial bids of only technically qualified responsive bidders will be opened while the financial bids of technically unqualified bidders will be returned unopened.
4. An affidavit is mandatory, without indicating the figure in the Technical Bid that bid security is placed in the financial bid. Duly attested by notary public.
5. Pre-bid meeting with the interested bidders was held on     /     /2025 at **11:00 AM** hrs. in MMD Office of the Institution.
6. Any bid received after the deadline for submission of bids shall not be entertained and shall be returned unopened to the Bidder.
7. All the bidders are required to provide annexure wise complete requisite documents with page marking for their Technical Evaluation / Qualification as prescribed under the rules.
8. The bid should be complete in all respect and must be signed by the bidder.
9. All prices should quote in Pak rupees PKR & CNF and should include all taxes applicable by Govt. (at any stage of tender process/till the validity of rates). If not specifically mentioned in the Quotation, it will be presumed that the prices include all the taxes.
10. Bidders are essentially required to provide correct and latest postal/email/web addresses, phone/mobile/fax numbers for actively and timely communication.
11. For any query, clarification regarding Services / Bid Solicitation Documents, the applicants may send a written request at least one day prior to the opening date.
12. The Bidder may after its submission withdraw its bid prior to the expiry of the deadline prescribed for submission of bids. Withdrawn bids will be returned unopened to the Bidders.
13. Any bid not received as per terms and conditions laid down in this document are liable to be ignored. No offer shall be considered if:
  - a. Received without earnest money;
  - b. It is received after the date and time fixed for its receipt;
  - c. The tender document and the bid is unsigned;
  - d. The offer is ambiguous;
  - e. The offer is conditional i.e., advance payment, or currency fluctuations etc.
  - f. The offer is from blacklisted firm in any Federal / Provincial Govt. Dept.:
  - g. Only typed tender on original prescribing letter pad, sealed & signed (Every Page) should be submitted, the quoted Price must be preprinted and hand written quoted price will not be acceptable. The tenders must be according to hospital specification; alternate rates will not be acceptable
14. Usage of correction fluid & corrections are strictly prohibited unless duly initiated.

15. Any erasing / cutting etc. appearing on the offer, must be properly signed by the person signing the tender.
16. Bids will be rejected if the Bid is in some way connected with bids submitted under names different from his own.
17. In case of Bid Tie, the decision will be taken by making toss/draw/Recall sealed quotation in front of the bidders.
18. Any direct or indirect effort by a bidding firm to influence this institution during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in the LRH–MTI Peshawar's future bids.
19. The bidder shall provide an **undertaking on stamp Paper** that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.
20. Bidders shall not be eligible to bid if they are under a declaration of Ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPP Rules 2014.
21. Grievances will be addressed as per KPPRA rules only.
22. Nonresponsive suppliers can claim for CDR within 03 months of financial opening.
23. Recent Tax (Income/Sales/FBR Certificate) documents must be attached.
24. Contracts shall be made on stamp papers issued from treasury wing Peshawar, each stamp paper not less than Rs.100/- duly attested by notary at Peshawar & must contain seal of the CO/firm on each stamp paper.
25. All participants/vendors are expected to quote their prices with utmost integrity, ensuring that they provide the best value for money. It is essential that rates quoted in tenders or for any awarded items are fair, competitive, and justifiable.
26. Please note that if any abnormality or significant deviation is found in the quoted or awarded rates, the concerned vendor will be held responsible for justifying the pricing. Failure to provide a satisfactory explanation will result in recovery of the excess amount from the vendor."
27. For any clarification, feel free to reach out.

#### **1. ELIGIBILITY CRITERIA:**

- Bidders must give compliance to the below mentioned clauses as these are mandatory to being eligible for the bidding process. Relevant certificates must be attached.
- **The bidder must be registered with Income / Sales Tax Department, reflected as Active Tax Payer on the list of FBR.NTN and Professional tax**

### 3. GENERAL CONDITIONS: -

1. LRH-MTI Peshawar shall evaluate the proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.
2. Alternative bid shall not be considered and shall be rejected by the Competent Authority.
3. LRH-MTI Peshawar may increase or decrease the quantity of the items required, as per KPPRA rules.
4. At any time prior to the deadline for submission of bids, LRH-MTI Peshawar may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.
5. If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
6. LRH-MTI Peshawar may accept or reject any or all of the bids under Rule 47 of KPPRA Rules, 2014.
7. Additional documents will not be acceptable after Bid Submission.
8. Rates will be valid till **30th June 2026**.

**INVITATION FOR BIDS**  
**Lady Reading Hospital**  
**Medical Teaching institute**  
**Peshawar**

Phone: 091-9211430

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### INVITATION FOR BIDS

Hospital Director, **Lady Reading Hospital Medical Teaching Institute, Peshawar** Invites sealed bids from Manufacturer/Importers/Authorized Distributors under National Competitive Bidding for the procurement of “**Medical Gas Pipeline system 2025-2026**” for Hospital, under rule 6(2)(b) “**Single stage Two envelope procedure**” of KPPRA Rules 2014, from Manufacturer/Authorized Dealers registered with the Income / Sales tax, reflected on Active Taxpayer List of FBR.

The bidders are required to submit bid security of **200,000/-PKR** in the name of Hospital Director LRH-MTI Peshawar.

Pre-bid meeting with the interested bidders was held on / /**2025** at 11:00 AM at Material Management Department of the institution.

The tenders complete in all respect must reach the undersigned by 11:00 AM on /**2025**, which will be opened at 11:30 AM on the same day in conference room / AHD office of the Hospital in the presence of the procurement committee and the bidders / representatives who may choose to attend.

Competent Authority reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

### 5. BID Security

- I. Bid security of **200,000/-PKR** (refundable) drawn in favor of “Hospital Director LRH-MTI Peshawar”
- ii. Pay Order (PO) is Not acceptable.

The bid security may be forfeited:

- i) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
- ii) In the case of a successful Bidder, if the Bidder fails to sign the contract or to furnish performance Guarantee.

## **6. BID VALIDITY:**

- i) The bids should be valid for 180 days.
- ii) In exceptional circumstances, LRH-MTI Hospital may solicit the Bidder's consent to an extension of the period of validity reasons shall be recorded in writing. The request and the responses there to shall be made in writing. The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

## **7. BLACKLISTING OF DEFAULTED BIDDER/CONTRACTOR**

### **Conditions for Blacklisting of Defaulted Bidder/Contractor under rule 44 of KPPRA Rules 2014**

The following are the events which would lead to initiate (Rule 44 of KPPRA Rules 2014) blacklisting/debarment process;

- Consistent failure to provide satisfactory performances.
- Found involved in corrupt/fraudulent practices.
- Abandoned the place of work permanently

### **Conditions for debarment of Defaulted Bidder/Contractor**

Failure or refusal to;

- Accept Purchases Order / Services order terms;
- Make supplies as per specifications agreed;
- Fulfill contractual obligations as per contract
- Non execution of work as per terms & condition of contract.
- Any unethical or unlawful professional or business behavior detrimental to good conduct and integrity of the public procurement process.
- Persistent and intentional violation of important conditions of contract.
- Non-adherence to quality specifications despite being importunately pointed out.
- Security consideration of the State i.e., any action that jeopardizes the security of the State or good reputation of the LRH-MTI Peshawar.

### **Procedure for blacklisting and debarment**

1. Competent authority of Lady Reading Hospital -MTI Peshawar may on information, or on its own motion, issue show cause notice to the bidder.
2. The Show Cause notice shall contain the statement of allegation against the Bidder.
3. The bidder will be given maximum of seven days to submit the written reply of the show cause notice.
4. In case the bidder fails to submit written reply within the requisite time, the competent authority may proceed forth with ex-parte against the bidder.
5. Direct to issue notice of personal hearing to the bidder/ authorized representative of the bidder and the competent authority shall decide the matter on the basis of available record and personal hearing, if availed.
6. The competent authority shall decide the matter within thirty days from the initiation of proceedings.
7. The order of competent authority shall be communicated to the bidder by indicating reasons.
8. The order past as above shall be duly conveyed to the KPPRA and defaulting bidder within three days of passing order.
9. The duration of debarment may vary up to five years depending upon the nature of violation.

## 8. DISPUTES AND CONTROVERSIES/DISPUTE RESOLUTION

1. The purchaser shall constitute a committee comprising of disagreed & notified by the competent authority proper powers and authorizations to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.
2. Any bidder feeling aggrieved by any act of the purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than 03 days after the announcement of the bid evaluation report.
3. The grievance redress Officer shall investigate and decide upon the complaint within 06 days of the receipt of the complaint. The report along with decision shall be forwarded to the purchaser officer within the prescribed period.
4. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.  
**Note:** Grievance notified & designated who can invite appropriate official as co-opted member for grievance.
5. Any dispute or difference arising out of the Agreement which cannot be amicably settled between the Parties, shall be finally settled by KPPRA whose decision will final and binding on both the parties.



## 9. STATEMENT OF REQUIREMENT WITH SPECIFICATION

### A. LIST:

Sr.	DESCRIPTION	APPROVED MANUFACTURERS*
Lot 1		
1	Medical Gas Manifolds	AMICO Beacon Medaes Dodhy's Medical Limited Drager Lawton Tubes LM Medical Med Gas-Technik GmbH Precision UK Ltd TLV Healthcare Or <b>APPROVED EQUIVALENT</b>
2	Medical Degreased Copper Pipes	
3	Lockable Line Valves	
4	Gas Outlets	
5	Area Valve Service Units	
6	Bedhead Units	
Lot 2		
7	Flowmeters / Vacuum Regulators / Venturi	
8	Cylinder Regulators	
9	Alarms	
Lot 3		
10	Miscellaneous Accessories	Imported

### Note:

- i. Item included in **Lot 1 & 2** will be **awarded** on Lot basis **score of HFRB** (highest fair ranked bid) of Each LOT.
- ii. **Lot 3 will be awarded On Item Wise Basis**
- iii. **PRICES**
  - i. *The rates must include complete SUPPLY & INSTALLATION.*
  - ii. *All prices must be in **FOR and CNF BOTH**.*
  - iii. *Country of Origin and Brand Name for each item must be mentioned against each item.*



**B. DETAILS:**

Sr.	DESCRIPTION	Country of Origin	BRAND	UNIT RATE (PKR)	UNIT
<b>1</b>	<b>Medical Gas Manifolds</b>				
<b>A</b>	2 x 5 Manifold (O <sub>2</sub> / Air / CO <sub>2</sub> )				Each
<b>B</b>	2 x 10 Manifold (O <sub>2</sub> / Air / CO <sub>2</sub> )				Each
<b>C</b>	2 x 15 Manifold (O <sub>2</sub> / Air / CO <sub>2</sub> )				Each
<b>D</b>	2 x 20 Manifold (O <sub>2</sub> / Air / CO <sub>2</sub> )				Each
<b>E</b>	2 x 30 Manifold (O <sub>2</sub> / Air / CO <sub>2</sub> )				Each
<b>F</b>	2 x 5 Nitrous Oxide Manifold				Each
<b>G</b>	2 x 10 Nitrous Oxide Manifold				Each
<b>2</b>	<b>Medical Degreased Copper Pipes</b>				
<b>A</b>	12mm				R ft
<b>B</b>	15mm				R ft
<b>C</b>	22mm				R ft
<b>D</b>	28mm				R ft
<b>E</b>	35mm				R ft
<b>F</b>	42mm				R ft
<b>G</b>	54mm				R ft
<b>H</b>	76mm				R ft
<b>3</b>	<b>Lockable Gases Line Valves</b>				
<b>A</b>	15mm				Each
<b>B</b>	22mm				Each
<b>C</b>	28mm				Each
<b>D</b>	35mm				Each
<b>E</b>	42mm				Each
<b>F</b>	54mm				Each
<b>G</b>	76mm				Each
<b>H</b>					
<b>4</b>	<b>MEDICAL GASES Outlets</b>				
<b>A</b>	Oxygen Outlet				Each
<b>B</b>	Nitrous Oxide Outlet				Each
<b>C</b>	Medical Air Outlet				Each
<b>D</b>	Medical Vacuum Outlet				Each
<b>E</b>	CO <sub>2</sub> Outlet				Each

<b>F</b>	AGSS Outlet				
<b>5</b>	<b>Area Valve Service Units</b>				
<b>A</b>	1 Gas				Each
<b>B</b>	2 Gas				Each
<b>C</b>	3 Gas				Each
<b>D</b>	4 Gas				Each
<b>6</b>	<b>Bedhead Units</b>				
<b>A</b>	For ICU				Each
<b>B</b>	For Ward				Each
<b>7</b>	<b>Flowmeters / Vacuum Regulators / Venturi</b>				
<b>A</b>	Single Flowmeters ( <b>Oxygen</b> )				Each
<b>B</b>	Twin Flowmeters ( <b>Oxygen</b> )				Each
<b>C</b>	Vacuum Regulators				Each
<b>D</b>	Venturi Suction Devices				Each
<b>8</b>	<b>Cylinder Regulators with Flowmeter</b>				
<b>A</b>	Regulator with humidifier Bottle ( <b>Oxygen</b> )				Each
<b>9</b>	<b>Alarms</b>				
<b>A</b>	Master Alarm				Each
<b>B</b>	1 Gas				Each
<b>C</b>	2 Gas				Each
<b>D</b>	3 Gas				Each
<b>10</b>	<b>Miscellaneous Items/Accessories/Job</b>				
<b>A</b>	Oxygen Purity Analyzer				Each
<b>B</b>	Line Flow Meters / Switches/System				Each
<b>C</b>	Non – Return Valve (NRV)				Each
<b>C1</b>	(NRV) 28 mm				Each
<b>C2</b>	(NRV) 35 mm				Each
<b>C3</b>	(NRV) 54 mm				Each
<b>C4</b>	(NRV) 76 mm				Each
<b>D</b>	Pneumatic Hose Pipe 12mm ~15mm				RFT
<b>E</b>	Pneumatic Hose Pipe 25mm ~ 28mm -				RFT
<b>F</b>	Detergent for Flowmeter Cleaning				Each
<b>G</b>	Oxygen Splitter (4 or more Points)				Each
<b>H</b>	Cylinder Outlets				Each
<b>I</b>	<b>Cylinder Regulators</b>				Each

<b>I-1</b>	NITROUS OXIDE --N <sub>2</sub> O				Each
<b>I-2</b>	CARBON DIOXIDE --CO <sub>2</sub>				Each
<b>I-3</b>					Each
<b>J</b>	<b>Double stage regulators for cylinders</b>				Each
<b>K</b>	<b>SPARES:</b>				
K1	Filter for Vacuum Regulators				
K2	Spares for Medical Gases outlets				Each
K3	Spares for Flow meters				Each
K4	Spares for Cylinder Regulators				Each
K5	Bottles for Flow meters				Each
K6	Any other spare as per manufacturer.				Each
<b>M</b>	Flexible Pendants				Each
<b>N</b>	AS Built Drawings				Job
<b>O</b>	Review, Redesigning/Modification of the MGPS system.				Job
<b>P</b>	<b>Spares for Manifolds</b>				
p1	Solenoid Valve				Each
p2	Tail pipes				Each
p3	Flow / Pressure Sensors				Each
p4	<b>High flow/Line Regulators/Manifold Regulator</b>				Each
p5	Automatic Control Panel for Manifolds				Each
p6	Any other spare as per manufacturer.				Each
<b>Q</b>	Cylinder Regulator without humidifier Bottle (Oxygen)				Each
<b>R</b>	<b>Medical Gases 3 Way Line Valves</b>				
	22mm				R ft
	28mm				R ft
	35mm				R ft
<b>S</b>	<b>MGPL Valves Butterfly type</b>				
S-1	12 mm				
S-2	15mm				
S-3	22mm				
S-4	28mm				
<b>T</b>	Medical Gases Valves for Cylinder				
<b>U</b>	Medical Gases Valves for Filling Manifold				

#### **a. DETAILED SPECIFICATION**

	DESCRIPTION
1	<b>Medical Gas Manifolds</b> Supply, Installation, Testing & Commissioning of <b>Manifolds</b> with specifications as below. <ul style="list-style-type: none"> <li>- Automatic control panel Indicating</li> <li>- Details of the bank of cylinders is running, Backup, Status of Quantity/Pressure.</li> <li>- Manifold headers should have</li> <li>- Each manifold control panel shall be designed and certified for use with oxygen at <b>140 BARS</b> and shall provide an uninterrupted supply of medical gases, from equally sized high pressure cylinder banks via a suitable arrangement of pressure regulators, providing a constant downstream nominal pipeline gauge pressure of <b>4Bar, 7 Bar or as required.</b></li> <li>- <b>Flow of around 1500 LPM or more should be provided, depending upon the conditions.</b></li> <li>- The Manifold control panel should be digital, fully automatic type with shuttle-valve /Solenoid Valve with switching from “Bank in Use” to “Reserve bank “without fluctuation in delivery supply line pressure.</li> <li>- The control panel should have a microprocessor based digital display panel.</li> <li>- Complete with pressure relief valve, emergency shutoff and pressure/level warning alarms.</li> <li>- Each tailpipe shall be manufactured from flexible degreased copper tube and be tested to &gt;230 bar. <b>(OPTIONAL)</b></li> </ul> <hr/> <ul style="list-style-type: none"> <li>- For <b>NITROUS OXIDE</b> Manifold</li> <li>- Delivery flow capacity:<b>200l/min</b> or more at <b>4</b> bars pressure.</li> <li>- Equipped with NIST Connection/<b>Test Point.</b></li> </ul>
2	<b>Medical Degreased Copper Pipes</b> Supply, Installation, Painting, Testing and Commissioning of <b>Seamless Medical-Grade, Degreased Copper Pipe</b> as per below specifications. <ul style="list-style-type: none"> <li>- Degreased copper tube and fittings must be in accordance with <b>BS EN 13348 or equivalent American standards.</b></li> <li>- All installed pipes should be painted with relevant color. The pipes should also be identified for specific gas name, in typical ISO color.</li> <li>- White for Oxygen</li> <li>- Blue for N2O</li> <li>- Yellow for Vacuum</li> <li>- Black for Medical Air</li> <li>-</li> </ul>
3	<b>Lockable Line Valves</b> Supply, Installation, Testing & Commissioning of <b>Lockable Line Valves</b> with specification as below. <ul style="list-style-type: none"> <li>- The lockable line valves are built in accordance to be suitable for all medical gases and vacuum.</li> </ul>

	<ul style="list-style-type: none"> <li>- The medical lockable line valve be suitable as per requirement on site, medical gas pipeline system</li> <li>- Medical Grade Shutoff Line Ball Valves, Lockable type <b>BS/ISO/ CE</b>.</li> <li>- Should provide a full-bore flow.</li> <li>- The valve shall be operated by a manual operating lever by 90° turn.</li> </ul>
<b>4</b>	<b>Flowmeters / Vacuum Regulators / Venturi</b>
	<p>Supply of <b>Single / Twin flowmeters</b> with specifications as below.</p> <ul style="list-style-type: none"> <li>- Wall Mounted Type Flow meter with humidifier and gas specific SS probes</li> <li>- Flowmeters should have a control knob that allows precise control of flow by the operator.</li> <li>- Autoclave able and Unbreakable humidifier bottle.</li> <li>- Control within a range of 0 - 15 LPM.</li> <li>- Inlet filters of stainless-steel wire mesh to prevent entry of foreign particles.</li> </ul> <p>Supply of <b>Vacuum Regulators</b> with specifications as below.</p> <ul style="list-style-type: none"> <li>- Manufactured of durable break resistant, fire-retardant polymer.</li> <li>- Analog Display: <math>\pm 5\%</math> of Full-Scale deflection.</li> <li>- Control knob should be able to provide accurate suction control within the range 0 to -760 mm/Hg or (0-1000mbar)</li> <li>- 2 position mode selector switches to provide FULL / OFF positions for ease of use</li> <li>- Infection control easy to clean and wipe down .....</li> <li>- <i>2000ml Suction jar with wall brackets shall be provided with the vacuum regulator</i></li> </ul>
<b>5</b>	<b>Cylinder Regulators</b>
	<p>Supply of <b>Cylinder Regulators with Flowmeter</b> with &amp; without humidifier Bottles as per specifications below. {i.e., Patient flow Meter}</p> <ul style="list-style-type: none"> <li>- High Quality, Medical Grade</li> <li>- Flowmeter with calibrated flow range within <b>0 – 15 LPM</b></li> <li>- <b>Inlet at 2000 Psi</b></li> <li>- <b>Outlet preset 50-60 Psi</b></li> <li>- Flowmeters should have a control knob that allows precise control of flow by the operator.</li> <li>- Autoclavable and Unbreakable humidifier bottle.</li> <li>- Control within a range of 0 - 15 LPM.</li> <li>- Inlet filters of stainless-steel wire mesh to prevent entry of foreign particles.</li> </ul>
<b>6</b>	<b>Gas Outlets</b>
	<p>Supply, Installation, Testing &amp; Commissioning of <b>Medical Gas Outlets</b> with specifications as below.</p> <ul style="list-style-type: none"> <li>- Should be gas specific only.</li> <li>- Clear gas indication</li> <li>- Easy installation and maintenance (Repair)</li> <li>- Assembly color coordinated to British standards.</li> <li>- Must be complete with Box/Casing, Self-sealing valve etc.</li> </ul>

	<ul style="list-style-type: none"> <li>- Should be Compatible with Already in use Accessories i.e., Flow Meters etc. (OPTIONAL)</li> </ul>
7	<b>Area Valve Service Units</b> Supply, Installation, Testing & Commissioning of <b>AVSU's</b> with specifications as below. <ul style="list-style-type: none"> <li>- The AVSU shall provide area isolation facility in case when required.</li> <li>- The assembly shall be housed in a valve box which shall be capable of both surface or concealed mountings.</li> <li>- Must have a fully removable hinged door for easy installation and access which, when fitted, must open to provide maximum access or equivalent for use and in an emergency.</li> <li>- Must have pressure gauges to display the pressure of various gases.</li> <li>- <b>AVSU have provision for integrating medical gas area alarm. (OPTIONAL)</b></li> </ul>
8	<b>Alarms</b> Supply, Installation, Testing & Commissioning of <b>Master Alarms</b> with specifications as below. <ul style="list-style-type: none"> <li>- Master alarm panel should be designed for up to 5 medical gases.</li> <li>- Supply, Installation, Testing &amp; Commissioning of <b>Area Alarms</b> with specifications as below.</li> <li>- Area alarm should be designed to monitor piped gas pressure (high and low pressure on up to Six services).</li> <li>- Area Digital Alarms provide indication of the condition of gas (Normal, High or Low Pressure) at the point of use, providing live pressure reading by monitoring the internal pressure of the pipeline.</li> <li>- Each condition has a green normal lamp, gas type, pressure reading (Bar /PSI).</li> <li>- Each fault condition causes a red flashing on this gas type and audible alarm. The Audible alarm can be muted.</li> <li>- A BMS Connection/ Alarms, Fault History may be provided, (OPTIONAL)</li> <li>- The area alarm to have digital and have a touchscreen. (OPTIONAL)</li> <li>- Should have compact / closed design.</li> </ul>
	<b>Bedhead Units</b> Supply, Installation, Testing & Commissioning of <b>Bedhead Units</b> with specifications as below. <ul style="list-style-type: none"> <li>- Should be made of High Strength Aluminum Profiles.</li> <li>- Should be horizontal type, length 1500mm or as per Manufacturer Standard Dimension</li> </ul> The panel should have at least: <p><b>Configuration for ICU</b></p> <ul style="list-style-type: none"> <li>- 2x Oxygen outlets,</li> <li>- 1x Medical Air outlets</li> <li>- 1x Vacuum Outlets,</li> <li>- Built in over bed Light with switch</li> <li>- <b>06x</b> Electrical Sockets</li> <li>- 1x Data Socket</li> </ul>

	<ul style="list-style-type: none"> <li>- Nurse Call Provision (OPTIONAL)</li> </ul> <p><b>CONFIGURATION FOR WARD</b></p> <ul style="list-style-type: none"> <li>- 1x Oxygen outlets,</li> <li>- 1x Vacuum Outlets,</li> <li>- Built in over bed Light with switch</li> <li>- 3x Electrical Sockets</li> <li>- 1x Data Socket</li> <li>- 1x Provision for Nurse Call</li> </ul>
10	<p><b>Various Accessories</b></p> <p>Supply of <b>Oxygen Analyzers</b> with specifications as below</p> <ul style="list-style-type: none"> <li>- High Quality, Branded, Imported</li> <li>- With Manufacturer warranty</li> <li>- Should indicate Oxygen Purity <b>99.9%</b> and Flow Indication</li> <li>- Accuracy with Flow Up to 30 LPM (or more if available <b>Optional</b>)</li> </ul> <p>Supply of <b>Line Flow Meters / Switches/System</b> with specifications as below</p> <ul style="list-style-type: none"> <li>- High Quality, Imported</li> <li>- Should indicate accurate Quantum of Medical Gas flowing through pipeline.</li> <li>- Flow in LPM or equivalent</li> <li>- Have a detailed record of specific Duration (OPTIONAL)</li> </ul> <p>Supply of <b>Non-Return Valve</b> with specifications as below</p> <ul style="list-style-type: none"> <li>- Accepts flow in one direction</li> <li>- Simple to clean &amp; maintain with minimum downtime</li> <li>- Long installation life 'O' rings are replaceable</li> <li>- No disruption of Pipework during installation life.</li> </ul> <p>Supply of <b>Pneumatic Pipe</b> with specifications as below</p> <ul style="list-style-type: none"> <li>- High Quality, Flexible</li> <li>- Branded, Imported,</li> <li>- Medical Graded</li> <li>- Able to withstand High pressure (PSI)</li> </ul> <p>Supply of <b>Detergent for Flowmeter Cleaning with</b> specifications as below</p> <ul style="list-style-type: none"> <li>- High Quality</li> <li>- Medical Grade, Imported</li> <li>- For Internal Cleaning Descaling of Patients Flow meter and other Accessories</li> </ul> <p>Supply of <b>Oxygen Splitter</b> with specifications as below</p> <ul style="list-style-type: none"> <li>- High Quality</li> <li>- Branded, Imported</li> <li>- Flow can manage 4 &amp; Above Patients</li> <li>- Used generally for PEADS.</li> </ul> <p>Supply of <b>Cylinder Outlet</b> with specifications as below</p> <ul style="list-style-type: none"> <li>- High Quality, Branded, Imported</li> <li>- With High Quality Regulators. (2000- 60 Psi)</li> </ul>



- Gauge shall be clearly marked for Level/Pressure
- Quick coupler outlet to have connection same as medical gas outlets in the hospital
- Used for Emergency cases to connect Cylinder to the Flowmeters/Equipment
- Should have a precisely regulated supply for Flowmeters/Equipment
- To be supplied with compatible color-coded hoses with sufficient length and to have compatible gas specific connections. **(OPTIONAL)**
- 

Supply of **Cylinder Regulators**, Emergency Use as per specifications below.

- **High Quality, Medical Grade**
- Single Stage/Dual stage diaphragm Technology
- Inlet at **2000 Psi /or as per Used Gas. (Oxygen/N2O/CO2)**
- Outlet adjustable up to **140 Psi**
- Accurately Calibrated pressure Gauge Reading
- Gauge shall be clearly marked with refill and full colored bands
- Provision of Quick coupling to have connection with the Relevant Gas Medical Equipment.

Supply of **High flow/Line Regulators/Manifold Regulator**, Emergency Use as per specifications below.

- High Quality, Medical Grade
- Single Stage diaphragm Technology
- **To be Installed on main Supply Lines for Pressure Regulation.**
- Inlet at **180 psi**
- Outlet adjustable to **50-75 Psi**
- Accurately Calibrated pressure Gauge Reading
- Gauge shall be clearly Visible with Pressure Readings
- Provision of the Box for safety as per standard. **(OPTIONAL)**

Supply & Installation of **Cylinder Flow meter without humidifier**

- Cylinder Mounted Type Flow meter without humidifier and gas specific SS probes to be used for short stay patients.
- Flowmeters should have a control knob that allows precise control of flow by the operator.
- Control within a range of 0 - 15 LPM.

Supply of **Medical Gases 3 Way Line Valve** as per specifications below.

- Specs same as Lockable line valves
- With additional feature 2 outlets with single inlet

Supply & Installation of **Medical Gases Valves for Cylinder**

- High Quality, Medical Grade
- Capable to withstand 2500 psi pressure
- Inlet **2000-2500 psi** to outlet pressure of **40-70psi**
- 

Supply & Installation of **Medical Gases Valves for Filling Manifold**

- High Quality, Medical Grade
- Capable to withstand 2500 psi pressure

- Suitable for use in Cylinder filling station

**Provision of Review, Redesigning/Modification of the MGPS & As Built Drawings:**

- A proper Engineering Review of the Medical Gases Pipe Line System Installed.
- Inputs/Feedbacks to make the System to a Standard as
  - Rerouting, Resizing of the Pipeline as per required Flow requirements.
  - Any Addition of the missing Accessories in the system.
  - Any other modification Planning for the standardization of the system.
- A proper Engineering Sketch of the Medical gases pipe Line Systems.
- Showing the routes, Sizes, Valves and other Accessories.
- Both Soft & Hard Copies.
- Both Already Installed and New Additions in the current Tender.
- LRH Plan will be Provided by Client.

Supply, Installation, Testing & Commissioning of **Flexible Ceiling Pendants** with specifications as below.

- Flexible Pendants for Medical Gases Terminal Units/Points.
- Intended for use in operating theatres.
- Should be gas specific only.
- Should incorporate a ceiling base to incorporate up to 7 medical gases.
- Must have gas specific connectors with gas specific hoses to ensure non-interchangeability.

**NOTE**

The areas pointed with **(OPTIONAL)** will not be considered a deviation during evaluation.

As these are additional requirements and not Affecting the core Item Specs/Performance.

## 10. EVALUATION CRITERIA OF MEDICAL GAS PIPELINE

TOTAL MARKS (TECHNICAL CRITERIA + FINANCIAL CRITERIA): TM: 70 + 30 =100

The bidders must carefully read the instructions; Non-compliance to the stated instruction may lead to their technical disqualification.

**Kindly Arrange the relevant Documents as per the Criteria. Avoid any irrelevant Documents**  
(Technical Evaluation Marks: 70)

TECHNICAL EVALUATION CRITERIA											
	Product Evaluation	Total Marks									
	Product will be evaluated by technical expert of LRH-MTI										
1	<b>Compliance to Basic Requirements</b>										
	<ul style="list-style-type: none"> <li>All the Quoted Items. must comply with the Specs shared details</li> </ul>	10									
	The bidder shall provide an <u>undertaking on stamp Paper</u> that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.	Mandatory									
2	<b>Product Certification of the Quoted Systems</b>	Mandatory									
	<table border="1"> <tr> <td>UFDA</td><td>US Food and Drug Administration (FDA) 510K</td><td>1.5</td></tr> <tr> <td>CE(MDD)</td><td>European Community (CE) MDD</td><td>1.5</td></tr> <tr> <td>MHLW</td><td>MHLW (Verifiable) / PMDA / JAPAN SALES CERTIFICATE</td><td>1.5</td></tr> </table>	UFDA	US Food and Drug Administration (FDA) 510K	1.5	CE(MDD)	European Community (CE) MDD	1.5	MHLW	MHLW (Verifiable) / PMDA / JAPAN SALES CERTIFICATE	1.5	
UFDA	US Food and Drug Administration (FDA) 510K	1.5									
CE(MDD)	European Community (CE) MDD	1.5									
MHLW	MHLW (Verifiable) / PMDA / JAPAN SALES CERTIFICATE	1.5									
	A copy of the <b>certificate of registration</b> shall be provided for review at least one of the above certificates is mandatory for each quoted item										
	<b>Global Performance Certification</b>										
	Valid ISO 9001 / ISO 13485 Quality Management Certificate	1.5									
3	<b>Legal Requirements</b>										
	Sales Tax Registration Certificate ((Active and Valid)	Mandatory									
	NTN Registration Certificate (Active and Valid)										
	KPRA Registration Certificate (Active and Valid))										
	Manufacturer Authorization Certificate for each quoted item (Original certificate to be produced during technical evaluation)										
4	<b>Financial Requirement</b>	05									
	Turn over verified from IT-1 or IT-2 form of FBR 10 - 20 million.	3									
	Most Recent Audit Report (3 Years)	1									
	Most Recent Bank Statements (3 Years)	1									
5	<b>Relevant Experience</b>	28									

<b>Relevant Projects in progress.</b> (Same Nature/Major Quantum i.e., plus 150 beds project) (Govt Institutions, Semi Govt/ Private Sector) (1 mark for Each) (for verification detailed Purchase order/contract or work order should be attached with technical bid)		6	
<b>Past Relevant Projects completed.</b> (Same Nature/Major Quantum i.e., plus 150 beds project) (Govt Institutions, Semi Govt/ Private Sector) (2 marks for each) (for verification detailed Purchase order/contract or work order and completion certificate must be attached with technical bid)		12	
<b>Relevant Satisfactory Work performance certificate(s)</b> Work performance certificate(s) of the firms. Issued by (Govt Institutions, Semi Govt/ Private Sector) <b>(1 mark for each)</b> (Satisfactory work and Post project Satisfaction certificate must be attached with technical bid).		5	
<b>Years of Relevant Experience</b> (1 mark for Each Year) (Years of relevant Projects/ Govt Institutions, Semi Govt/ Private Sector)		5	
6	<b>Technical Staff</b>	15	
7	Experience relevant to the QUOTED ITEMS/ SCOPE OF WORK	<b>Experienced Engineer</b> + based in <b>Peshawar/ Islamabad</b> to be verified with relevant documents	1+1
		*Manufacturer/certified trained Application expert in national/International level to be verified with relevant documents	2
		Relevant experienced Technical Staff (permanent, <b>1 mark for each</b> ) Company Hierarchy with staff Staff Details on company letter head with CVs degrees and other Relevant Experience Relevant <b>Design Expert MGPL</b> (Exp Details Provided) (Mandatory)	6
			3
		Certificate to the affect that the firm will provide 95% uptime ( <b>Max 02 Hrs.</b> Response/Rectification Time)	Mandatory
		Must have certified Medical Gas Pipeline welders, having at least 3 years of Relevant welding experience.	2
	<b>Networking and Uptime</b>		3
	Supplier's office for maintenance and 24/7 support	Availability of workshop in Peshawar (ATLEAST FOR THE TENDRED DURATION)	2
		Availability of workshop at National level (within 200 KM)	1
	<b>NO JV WILL BE ACCEPTED</b>		

8		
	<b>Testing &amp; Calibration Equipment</b>	
	List of Relevant tools, testing equipment and calibration equipment relevant to the product	<b>Mandatory</b>
9	<b>Warranty Period for imported items</b>	
	<b>Warranty period minimum 03 years</b>	<b>Mandatory</b>
	Parts, from the date of installation. <b>Must provide assurance of 10 year of Spares parts Availability</b>	
	Warranty must/preferably be from original manufacturer head office.	
	Additional Warranty must/preferably be from original manufacturer head office (1 for each Year). Max 03 years	<b>3</b>

Total Marks in Technical Criteria: **70**

Qualifying Percentage in Technical Criteria: **70%**

Qualifying Marks: **49**

**Financial Criteria (30 Marks):**

	Parameters	Sub-Parameters	Total Marks
	<b>Price</b>		<b>30</b>
		Lowest Price will get full marks. The formula to calculate the marks for the price submitted is: [Lowest Price (Fm)÷Price of Bid under consideration (F)] x100 x 0.30	30

**Total Marks (Technical Criteria + Financial Criteria): 100**

## **11 REDRESSING OF GRIEVANCES**

1. The purchaser shall constitute a committee comprising of disagreed & notified by the competent authority proper powers and authorizations to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.
2. Any bidder feeling aggrieved by any act of the purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than 05 days after the announcement of the bid evaluation report.
3. The grievance redressed Officer shall investigate and decide upon the complaint within 06 days of the receipt of the complaint. The report along with decision shall be forwarded to the purchaser officer within the prescribed period.
4. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

5. Note: Grievance notified & designated who can invite appropriate official as co-opted member for grievance.

**12. AWARD OF CONTRACT:**

Contracts shall be confirmed through a written agreement signed by the successful bidder and the LRH-MTI Peshawar.

**13. PAYMENT:**

- a. No advance payment will be permissible.
- b. The payment will be made after successful supply, installation/inspection and test run of all requisite items.

**14. Sub-Letting Contract:**

The supplier shall not sub-let or assign this Contract or any part thereof without the written permission of the procuring entity. In the event of the Services provider subletting or assigning this Contract or any part thereof without such permission, the procuring entity shall be entitled cancel the Contract and to purchase the goods elsewhere on the supplier account and risk. The supplier shall be liable for any loss or damage which the procuring entity may sustain in consequence of arising out of such purchase.

**15. General Notes:**

- i. Bidder shall be responsible for supply, installation, testing and commissioning of all the Medical Gas Systems as mentioned in the LRH-MTI Specifications or as per the LRH – MTI requirements on Turnkey basis.
- ii. Bidder shall execute all required civil works
- iii. Bidder will be responsible for trenching or other associated work related to installation and commissioning of complete MGPS system.
- iv. Bidder shall be responsible for design, supply, installation, testing and commissioning of medical gas supply system in coordination with hospital authorities.
- v. Bidder should provide factory test certificates for the materials used and.
- vi. Technical training for technician at installation site will be provided by the bidder.
- vii. Quantity may increase or decrease as per the hospital requirement

**16. SPECIAL CONDITIONS OF THE CONTRACT: -**

1. If any of the given specifications/parameters does not meet the required specifications, their offer will not be considered and shall summarily be rejected by LRH-MTI Peshawar
2. At the time of contract signing, the successful firm will have to provide a certificate of 10 (ten) Years parts easy availability in market.
3. All bidders shall comply with code of ethics formulated by KPPRA.
4. The supply shall be authenticated by quality assurance department of LRH-MTI and end user/Inspection committee.