

King George Medical University U.P., Lucknow

Tender Inviting Notice

Notice No 21/Notice/E.E(E/M)/20

Date:05.10.2020

Offline bids are invited under two e-bid system (Technical and Financial) latest by 16.10.2020 For the Supply, fixing Testing and commissioning of Medical Gas Pipeline System work at Casualty Emergency Trauma Center, King George Medical University U.P Lucknow, their Manufacturer & authorize Company/contractor can apply on the terms and conditions as per Tender document & short details of the equipments; EMD & DD can be view at KGMU website.

www.kgmu.Org.

(Executive Engineer)

(Electrical/Mechanical Department)

From No-----

Tender Document For Various works related to the Supply, fixing Testing and commissioning of Medical Gas Pipeline System work at Casualty Emergency Trauma Center, King George Medical University U.P Lucknow.

Bid Submission Start date	:	06.10.2020	5.00PM
Last Date of Bid Submission	:	16.10.2020	12.00PM
Date of Opening Technical Bid	:	16.10.2020	2.00PM

Note:- 1. Cost of Tender forms:-Rs.1200.00+GST

EMD Rs. 16000.00

Tender documents may By downloaded from web site:- www.kgmu.Org

Terms and conditions:-

1. Tender document downloaded from our University website www.kgmcindia.edu. But the tender fees Rs. 1200+GST in form of D.D drawn on handy scheduled bank, in favors of Finance officer, King George Medical University U.P Lucknow. Payable at Lucknow will necessarily to be attached with technical bid otherwise tender will be rejected. This amount will be non-refundable.
2. Validity of Tender: the tender will remain valid for 6 month from the date of opening (due date) to tender.
3. The Vice-chancellor King George Medical University U.P Lucknow. 226003. Reserves the right to extent the validity of tender beyond six month, if desired.
4. You will hand over the executed work which is duly commissioned and in perfect working order.
5. The tender will have to be submitted in two separate covers one of which shall contain the technical requirement bid and shall be opened first. Only upon approval of this or by agreement by the committee the financial bid shall be opened for the final decision and possible negotiation.
6. All MGPS works will be done as per NFPA/HTM/BIS/BS/ISO 9170-1/ NIST or DISS/ISO 5359/EN ISO 11197/ISO 10524-02/ ISO 10524-2(as applicable). The quality of items must have international standards.
7. Rates are Exclusive of all kind of taxes/duties etc. nothing will be paid extra.
8. The contractor/tenderer should have at least Two years' experience with KGMU, U.P, Lucknow in the design installation and commissioning of Medical Gas Pipeline system (MGPS).
9. The taxes will be deducted by the university as per rule.
10. The contractor/agency shall complete the work within 15 Days time frame from the date of issue of the work order, if contractor fails to do so, appropriate penalty will be imposed as per the University rules.
11. The contractor/agency shall repair/maintain all defects of the existing structure/system/building etc. Occurred due to installation/commissioning of MGPS
12. The contractor/agency shall provide warranty against any designing/manufacturing/installation/commissioning defects for a period of 1 Year from the date of complete installation/testing/commissioning/handover of MGPS.
13. The quantities and sizes of copper pipes are approximate, the agency/contractor are required to design the MGPS system/proportionate the copper pipe of different sizes.
14. The contractor should have a minimum average annual turnover of Twenty lakh for last three financial years in the field of MGPS and never incurred any loss in the balance sheet of last three year ending 31st March 2019.
15. The bidder should have successfully completed at least one work order of Medical Gas pipeline in minimum 200 bedded Government Hospital Govt./Semi Govt. Organization.
16. The Contractor should have solvency certificate of 10 lakh from banker.
17. The Contractor should have valid PAN Number with attested photo state copies of registration certificate.
18. The contractor will show the samples of their different product to the committee at the time of opening of technical bid. The price bid of only that bidder will be open whose products are approved by technical committee after demonstration.
19. This contract is subjected to the Jurisdiction of Lucknow court only.

20. In case of any dispute including quality and performance the decision of Vice-Chancellor, King George Medical University U.P Lucknow. Or Registrar shall be final and binding on both parties.
21. The Successfully bidder will have to deposit earnest money of 10% Work Order Value in shape of FDR in favor of Finance Officer, King George Medical university U.P Lucknow along with the tender in (Technical bid and Financial Bid envelop). The tender without the earnest money is liable be rejected.
22. GST registration number with attested photo state copies of registration certificate.
23. Experience in trade relating job/supply may be mentioned with proof.
24. The University will have the right to reject/cancel all or any of the tender without assigning any reason.
25. A copy of trade- tax/commercial tax Registration certificate dully attested by a Gusseted officer, should also be enclosed.
26. Trade tax, commercial tax clearance certificate and acknowledgement for filling latest income tax Return along with a notarized affidavit, that the tenderers has never been black listed must be attached along with the tender failing which the tender will be rejected.
27. In case of non-supply of materials/equipment/machines and/or completion of work within stipulated period, it will be at the discretion of the King George Medical university U.P Lucknow. to accept this with penalty clause @2% per week maximum to the extent of 10% of the ordered valve of work/supply.
28. The successful contractor has to perform all the required/associated work/repairing/shifting/dismantling/electrical wiring to mgps items etc. at their own cost, if required for perfect functioning of MGPS.
29. Successful tenderer will be full responsible for any accident or mishap involving workers engaged by him and any claim made on this part will be paid by the successful tenderer. The successful Tenderer shall indemnify the university from any claims arising out of accidents or mishaps, disabilities of any nature of death, or arising out of provisions under law or of any other nature in respect of all workers engaged Successful Tenderer.
30. The university will have the right to reject/cancel all or any of any of the tender without assigning any reason.

Note:

1. The interested bidders are requested to visit the site of proposed work to check the actual position accurate proposal planning.
2. They are requested to coordinate this visit with the concern head of the department

Executive Engineer
(Electrical/Mechanical)Department

Technical Specification

(1) Accessories:

(A) Vacuum unit

Should be ISO 9000 Certified and complies HTM-2022, NFPA 99/BS EN ISO 9170-1 and CE marked, B.S Standard (as applicable) Ward Suction Unit must be a full quality assurance system medical device consists of suction regulator should be supplied with a safety jar, including an anti-overflow safety device, it should have continuous suction controller with reliability and fine adjustment, Should have plastic body and cover, preventing risk of corrosion, Should have vacuum gauge, on/off knob allowing for the quick restoration of a vacuum level, Must have central adjustment knob with a color-coded, polycarbonate, auto clavable, unbreakable, fitted with an anti-overflow safety device. Collection jar should be unbreakable and auto clavable, unbreakable, fitted with an anti-overflow safety device. Collection jar should be unbreakable and auto clavable Polycarbonate jars.

Flow meter with humidifier

Back pressure compensated flow meter will be of accurate gas measurement with following features Flow control within range of 0-10 l/min and flow tube should have large and expanded 0-5 liters/min ranges for improved reliability and/or standard flow rate as per NFPA 99/BS EN ISO15002 and CE marked.

(2) Terminal Outlets

All outlets should be double lock quick connect and gas specific for the services indicated (viz. O₂, MA 4, & Vacuum) And to accept only compatible quick connect Geometric Index type st. Steel adapters. The outlet shall be meet as per NFPA 99/BS EN ISO: 9170-1 and CE marked, EN 737, BS 6834, HTM 2022, BS 5682: 1984 standards. A machine brass outlet block shall be permanently attached to the mounting plate. A secondary valve shall be installed in the outlet block assembly for pressure testing and to prevent gas flow when the latch valve assembly is removed for service. A temporary, transparent cover shall be provided to keep debris out of the outlet during installation while permitting labels to be viewed for outlet service identity. The rough in assembly shall contain a double seal to prevent gas leakage between the rough and the latch valve after the walls are finished. The latch/locking release mechanism should be incorporated on to the gas outlet with geometrical key indexing on specific adapter (probe) the spring loaded center, the probe/flow meter dies not fall down.

Signaling: The light of the light emitting diodes can be seen from the distance of 4m, if the illumination of the room is between 1000 and 1500 Lx. In case of an error the LEDs blink with the frequency of 1Hz (0.5 s ON-0.5s OFF). The parameter for blinking is adjustable the LEDs give the following warnings.

- . ALARM SYSTEM DISPLAY CONNECTION FAILURE/
- . ON/OFF ALARM DISPLAY FAULT
- . PRESSURE TOO LOW
- .PRESSURE TOO HIGH

. NORMAL PRSSURE

The alarm system incorporates a touch sensitive display which enables easy "Menu cycling" , and with the help of a flow meter (optional), enables or shows: Overview of the flow rate statistics, Current flow rate, Current consumption, Monthly consumption, and at the time of setting of the critical flow limit- THE ALARM GOES OFF and all the values remain stored, even in case of an electrical outage.

Unit must have UL Listing/CE notified number on it. System Comply HTM 02-01/NFPA 99C ISO 7396. It must be come with serial number, warranty and test certificate from European/American manufacture only.

(3) Distribution piping

The scope of work shall cover all distribution, piping and terminal units for oxygen and vacuum in order to provide standard flow rate and pressure at the proposed outlet point. The specification for distribution piping system should be:

4. Material (Pipe) : the piped distribution system shall use copper pipes manufactured form phosphorous de- Oxidized non-arsenical copper, seamless, half hard, tempered to comply with confirming to latest BS:EN: 13348, LLYOD Certified, ASTM-B 819.00; 2002 standards. Pipes are to be degreased suitable for oxygen use.

Fitting shall be end feed type, manufactured from the same grade of copper as the pipes and be in accordance with the requirements of BS EN 1254-1: 1998 Part 1. Fittings shall be degreased suitable for oxygen use and supplied sealed in protective polythene bags. Copper to copper joints shall be made on site using a liver-copper-phosphorus brazing alloy to BS 1845 using an oxygen free nitrogen inert gas shield and no flux. Copper to brass or gunmetal joints shall not be made on site. Except or mechanical joints used for components, all metallic pipeline joints shall be brazed or welded. The method used for brazing or welding shall permit the joint to maintain their mechanical characteristics up to 6000C. Filler metal for brazing shall be cadmium free (less than 0.025% mass Fraction). Medical gas pipeline shall be bonded to an earth terminal as near as possible to the point at which the pipeline enters the building. If pipeline placed underground the shall be placed in duct or tunnels. The duct and tunnels shall be provided with adequate drainage to prevent water accumulation. Pipeline shall be supported at interval to prevent sagging or distortion. The maximum interval between support for metallic and nonmetallic pipes should not exceed as specified in relevant standards/codes.

5. Isolation Valves

All valves will be suitable for the pipe diameter and should be non-lubricated 90 degree turn lever imported ball valves with PTFE seat, having opening by quarter turn of handle sizes should be appropriate for copper pipes with screw threaded ends. All valves will be pneumatically tested for twice the working pressure and degreased for medical gas service before supply.

Check List

(To be fill tendered & submitted by the Tendered in Tender Bid Part –I)

IMPORTANT INSTRUCTIONS TO THE TENDERERS

Your e-Tender shall not be considered, if you fail to submit this proforma duly filled. Replies should be complete without ambiguity and should be clearly written against each item.

Terms such as “Refer covering letter etc.” shall not be acceptable. You may, however, attach extra sheets, if the space is not sufficient.

Sl. No.	Particulars	Page No	Enclose / Yes/No
1	Tender Fee No.....Dated..... (Non Refundable)		
2	Earnest Money (EMD) No.....Dated..... (shall be paid in shape of FDR for 24 Month duration)		
3	Name & Address of the Tenderer.		
4	Email Id of contractor		
5 (a)	Whatsapp number of contractor		
5 (b)	Mobile no. of contractor		
6	Furnish list of satisfied users giving (jobs performed by you) full details of job, amount of work etc. (proforma B)		
7	Give your bankers details stating name of bank, branch, A/C no, type of A/C etc. (proforma C)		
8	Give your Financial details stating your Balance sheet, Assets etc for last three years by C.A..		
9	Whether you have been convicted black listed, punished, sentenced, bailed by any court of law. Notarized affidavit on Rs 10 Non Judicial Stamp Paper		
10	Give two references who can certify your financial status & capability to undertake such supply order one of the reference should be schedule Bank of India on Tender's company letter head.		
11	Pl. enclose the certified copy of the latest income tax clearance certificate/Income Tax return.		
12	The Bidders solvency		
13	What is your PAN No		
14	What is your GST REG. NO		
15	Company has Successfully completed at least on work order of Medical Gas PipeLine in Minimum 200 bedded Government Hospital/Semi Govt. Hospital.		
Date:			
Place: Lucknow		Signature of the Tenderer with Co. seal	

TENDER PROFORMA A

Acceptance of Bidding terms& conditions

To,

Date:

The Executive Engineer(E/M)

KGMU, Lucknow.

Description of the work :- AS PER DISCRPTION

I/We offer to execute the works described above and remedy any defects their in conformity with the conditions of contract, specifications, drawings, bill of quantities and addenda for unit rate as quoted online in DISCRPTION at par with the rate entered in the Schedule of rate.

1. We undertake to commence the works on receiving the notice to proceed with work in accordance with the contract documents.
2. This Bid your written acceptance of if shall constitute a binding contract between us. We understand that you are bound to accept the lowest or any Bid you receive.

We hereby confirm that this bid complies with the Bid validity and earnest money required by the bidding documents.

Authorized Signature :- _____

Name and title of Signatory:- _____

Name of Tender :- _____

Authorized Address of Communication:- _____

Telephone No(s): (Office) :- _____

Mobile No :- _____

Facsimile (FAX) No :- _____

Electronic Mail Identification (E-mail ID) :- _____

TENDER PROFORMA B

Details of Experience of same nature.

1	SL. NO.	2	Project Name with Address	3	Name of Organization	Description of Work	4	Value of Contract	Contract No.	5	Date of issue/ Commencement As per contract	6	Stipulated Date of Completion	7	Actual date of completion	8	Remarks Explaining Reasons for Delay, if any.

TENDER PROFORMA C

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT
FACILITIES**

BANK CERTIFICATE

This is to certify that M/S ----- is a reputed company with a good financial standing.

If the contract for the work, namely, _____ is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. _____ to meet their working capital requirements for executing the above contract.

Signature of Senior Bank Manager

.....

Name of the senior Bank Manager

.....

Address of the

Bank.....

Stamp of the Bank

Note: Certificate should be on the letterhead of the bank.

TENDER PROFORMA D

SAMPLE FORMAT

UNDERTAKING

This is to confirm that the Tender _____ is not involved in any litigation or arbitration during the last three years in which the Tender is involved, the parties concerned, the disputed amount, and the matter and the Tender have not been convicted/black listed.

Also Tender M/s _____ have not been black listed , bailed punished, sentenced by any court of law.

Signature of Tender

Seal of the Tender

(On Non Judicial Stamp Paper of Rs 10/-)

**KING GEORGE'S MEDICAL UNIVERSITY U.P LUCKNOW.
UTTER PRADESH**

**Executive Engineer (Electrical/Mechanical)
KGMU, LUCKNOW**

**SHAH MINA ROAD, LUCKNOW,
UTTER PRADESH- 226003**

**COVER- 2
FINANCIAL BID**

FOR THE WORK: AS PER DESCRIPTION

(Item Wise Rate)

The Supply, fixing Testing and commissioning of Medical Gas Pipeline System work at Casualty Emergency Trauma Center, King George Medical University U.P Lucknow.

S.No.	Description	Qty	Rate	Amount
1.	Supply, Fixing Testing and Commissioning of Indigenous BPC Oxygen Flow Meter Humidifier Bottle(Flow Rate 0-15L/min).	20 Nos		
2.	Supply, Fixing Testing and Commissioning of Indigenous word Vacuum unit with Regulator collection Jar Size 600ml as per BS EN ISO 10079-3 and CE marked	20 Nos		
3.	Supply, Fixing Testing and Commissioning of Compressed oxygen Outlet with matching stainless steel probe/adaptor.	20 Nos		
4.	Supply, Fixing Testing and Commissioning of Compressed Vaccum Outlet with matching stainless steel probe/adaptor.	20 Nos		
5.	Supply, Fixing Testing and Commissioning of Compressed Air Outlet with matching stainless steel probe/adaptor.	20 Nos		
6.	Supply, Fixing Testing and Commissioning of Indigenous Low Pressure Tube	60 Mtr		
7.	Supply, Fixing Testing and Commissioning of Medical Grade Copper Pipe used should be half drawn, Tampered seamless phosphorous Deoxidized non-arsenic and degreased confirming to latest BS:EN: 13348, LLOYD Certified, including casing conduct etc. of suitable size & quality for underground and Overhead pipes and all Accessories like bends, tees, reducers etc. (Complete in all respect.)			
A.	12 MM (OD)x0.7 MM thick	120 Rmtr		
B.	15 MM (OD)x0.7 MM thick	72 Rmtr		
C.	22 MM (OD)x0.9 MM thick	36 Rmtr		

8.	Supply, Fixing Testing and Commissioning of Isolation Valve			
A.	12 MM Isolation Valve	40 Nos		
9.	Supply, Fixing Testing and Commissioning of Indigenous Three Gas Service line Area Alarm	01 Nos		
10.	Supply, Fixing Testing and Commissioning of indigenous Zonal Valve Box 3 Gas	01 Nos		
			Total Amount	
			GST @-----	
			Grand Total	