

**GURU GOBIND SINGH MEDICAL COLLEGE & HOSPITAL,
FARIDKOT - 151203**



Tender No. GGSMCH/GAS PIPELINE/2015/6 due on 30.3.2015

**TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF MEDICAL GAS
PIPELINE & ACCESSORIES**

IMPORTANT INSTRUCTIONS

1. All the instructions contained in the Tender Form are important and require to be complied with.
2. Please ensure that Technical Bid, Price Bid and Earnest Money Deposit (EMD) is submitted in the office of the Principal, Guru Gobind Singh Medical College & Hospital, Faridkot on or before the last date & time of receipt of tender.
3. The Earnest Money Deposit (EMD) @ 2% of the quoted amount is acceptable only in the form of Demand Draft in favour of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot, from any commercial/nationalized bank, payable at Faridkot. The Earnest money in any other form is not acceptable and the tender shall be rejected straightway.

CHECK LIST DULY FILLED IN TO BE ATTACHED WITH THE TENDER

Sr. No.	Particulars	Remarks
1.	Whether the Earnest Money Deposit (EMD) @ 2% of the quote amount in the form of Demand Draft from any of the commercial/nationalized bank, drawn in the name of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot has been submitted?	Yes/No
2.	Whether the Technical bid and Price bid with EMD have been submitted?	Yes/No
3.	Whether a DD for Rs.2000/- on account of Tender Fee in the name of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot has been submitted?	Yes/No
4.	Whether an affidavit on the non-judicial stamp paper, duly attested by the Executive Magistrate/Notary, regarding non-black listing/ non-prosecution of firm has been submitted?	Yes/No
5.	Whether each page of the tender document and other enclosures as well as cutting(s)/ overwriting(s) have been signed/ initiated by the tenderer and also the forwarding letter duly signed by the authorized signatory, has been submitted?	Yes/No

6.	Details of registration as Company / Shop / Establishment attached.	Yes/No
7.	In case of Authorized Supplier/Agency, the Authorization Certificate as per the Format given at Annexure-‘V’ is attached.	Yes/No
8.	In case the Tenderer is authorized dealer/supplier an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years as per the Format given at Annexure – VI is attached.	Yes/No
9.	Copy of Certificate of Registration for service Tax/TIN/TAN/PAN attached.	Yes/No
10.	A certificate from C.A. regarding Annual Turnover of at least Rs.50.00 lacs with Balance Sheet for the last 3 (three) financial years i.e. 2011-12, 2012-13 & 2013-14 attached.	Yes/No
11.	Copy of the IT Returns for three financial years, 2011-12, 2012-13 & 2013-2014 attached.	Yes/No
12.	ISI/ISO/CE/US FDA/TUV Certificate regarding Standard of Quality attached.	Yes/No

Note: Non compliance to any of the above conditions will render the offer/ tender to be rejected out-rightly and Price bid of the firm will not be opened.

Place: _____

Signature of Tenderer: _____

Dated: _____

Full name of the Tenderer: _____

Address: _____

GURU GOBIND SINGH MEDICAL COLLEGE & HOSPITAL, FARIDKOT
TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF MEDICAL GAS
PIPELINE & ACCESSORIES

INSTRUCTIONS/ GUIDELINES TO THE TENDERERS

1. Attach a copy of the tender notice (**Annexure-I**).
2. Attach an affidavit regarding Non-Black listing as per proforma given at **Annexure-II** duly attested by an Executive Magistrate or a Notary Public, along with technical bid proforma at **Annexure-III**.
3. Attach a signed copy of the terms and conditions (**Annexure-IV**).

In addition to this, following documents are to be attached with Technical Bid:-

- i) A Demand Draft for Rs.2000/- on account of **Tender Fee** in the name of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot.
- ii) Details of registration as Company / Shop / Establishment.
- iii) In case the Tenderer is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at **Annexure-‘V’**.
- iv) In case the Tenderer is Authorized Supplier/ Agency, an undertaking/ certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years as per the Format given at **Annexure – ‘VI’** is attached.
- v) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN.
- vi) A certificate from C.A. regarding Annual Turnover of at least Rs.50.00 lacs with Balance Sheet for the last 3 (three) financial years i.e. 2011-12, 2012-13 & 2013-14.
- vii) Copy of the IT Returns for three financial years, 2011-12, 2012-13 & 2013-2014.
- viii) ISI/ISO/CE/US FDA/TUV Certificate regarding Standard of Quality.

4. Price should be quoted only in proforma at **Annexure-‘VII’**.
5. Please ensure that Technical Bid, Price Bid and Earnest Money Deposit (EMD) are submitted in three separate envelopes and these should be put in an outer envelope, super-scribing, as **“TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF MEDICAL GAS PIPELINE & ACCESSORIES”**, due on 30.3.2015 at 2:00 PM:-
 - (a) Earnest Money Deposit (EMD) @ 2% of quoted amount in **envelope No.1**
 - (b) **Technical Bid** i.e. Annexures I, II, III, IV, V & VI with other documents as indicated in Clause 3 above, in **envelope No.2**
 - (c) **Price Bid** duly filled (Annexure-VII) in **envelope No.3**.

Note: Name of the firm, e-mail ID and Mobile Number must be indicated on the outer envelope.

6. The last date and time for receipt of tenders is 30.03.2015 at 2:00 P.M. Tenders which are received after 2:00 P.M., on the due date shall not be considered. The tender shall be opened on the same day i.e. 30.03.2015 at 03:30 PM.
7. The date & time for opening of Price bids of technically qualified bidders will be intimated later on.
8. Unsealed tender (s) will be rejected.
9. In the event of the date of receipt or opening of tender being declared a holiday for the Guru Gobind Singh Medical College & Hospital, Faridkot, the last date of receipt/opening of the tender shall be the next working day at the same time and venue. **The Price Bid shall be opened only in respect of those individual/ firms, who technically qualify. EMD will be opened with the Price Bid.**
10. The Earnest Money Deposit @ 2% of the quoted amount is acceptable only in the form of Demand Draft in favour of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot, from any commercial/nationalized bank, payable at Faridkot. The Earnest money in any other form will not be accepted and the tender shall be rejected straightway.
11. Tenders without earnest money or short of it or not in the form specified above will not be entertained and shall be rejected straightway.
12. No tenderer shall be exempted from furnishing Earnest Money Deposit (EMD) under any circumstances.
13. Earnest Money/ Security Deposit and/or any other sum of the tenderer(s) lying with the Guru Gobind Singh Medical College & Hospital, Faridkot in connection with any other tender/case shall not be considered against this tender.
14. EMDs of unsuccessful tenderer(s) will be discharged within three months after opening of the Technical Bids.

15. The bids received after the specified date and time for receipt of bids will not be considered under any circumstance. GGSMCH shall not be responsible postal delay.
16. Minimum delivery period must be quoted clearly in the offer. **Price of AMC/CMC should be quoted & it will be optional for institute to opt for any.** The rates quoted should be F.O.R. destination and should also include packing and forwarding charges, taxes and other levies.
17. The tenderer should keep his/her offer valid for acceptance for a period of six months from the date of opening of price bid. (In case, the Tenderer is unable to keep his/her offer open for the above said period, his/her tender shall be treated as invalid.)
18. The tenderer will be responsible to ensure that the tender is submitted on or before the due date and time in the office of the Principal, Guru Gobind Singh Medical College & Hospital, Faridkot.
19. Each page of the tender document should be signed in full by the tenderer(s) and should bear the rubber stamp/seal of the firm affixed/ scanned, if applicable, on each page. Any cutting(s)/overwriting(s) etc. should also be initialed. In case of any infringement of these conditions, the tender is liable to be rejected.
20. Any conditional, telegraphic tenders, fax tenders, tenders without earnest money, and not in the prescribed form or in any deviation from the terms and conditions of the tender notice shall not be entertained and rejected out rightly.
21. The tenderer(s) shall be at liberty to be present, in person or through their authorized representative(s) at the time of opening of the tender as specified in the Tender Notice. In case the authorized representatives are to be present, they must furnish the authority letter from the tenderer, on whose behalf they are representing otherwise they will not be allowed to participate in the process of opening of tender.
22. In case of violation of any of the terms and conditions as mentioned above, EMD/ Security Deposit of the successful tenderer(s) shall be forfeited in full by the Principal & his/ her order shall be cancelled.
23. Any attempt direct or indirect, to cast influence, negotiation on the part of the tenderer with the official/authority to whom he will submit the tender or the tender accepting official/ authority before the finalization of tenders will render the tenderer liable for rejection.
24. The Principal reserves all the rights to accept or reject any tender without assigning any reason and also to impose/relax any term and condition of the tender.

Annexure-I**GURU GOBIND SINGH MEDICAL COLLEGE & HOSPITAL, FARIDKOT****PURCHASE BRANCH****Tender No. GGSMCH/GAS PIPELINE/2015/6 due on 30.3.2015****TENDER NOTICE**

Sealed tenders are invited from manufacturers or their authorized agents/distributors for **supply and installation of medical gas pipelines & accessories**. The tender document containing detailed terms & conditions may be downloaded from the website of Baba Farid University of Health Sciences, Faridkot (www.bfuhs.ac.in) and Guru Gobind Singh Medical College & Hospital, Faridkot (www.ggsmch.org).

APPROXIMATE REQUIREMENT

Sr. No.	Name of Item	Out Diameter in mm	Qty. Required
1	Copper pipe	12	As per requirement
2	Copper pipe	15	300 meters
3	Copper pipe	22	1000 meters
4	Copper pipe	28/0.9	As per requirement
5	Copper pipe	28/1.2	As per requirement
6	Copper pipe	42	As per requirement
7	Copper pipe	54	As per requirement
8	Manual Floor Isolation valve	12	As per requirement
9	Manual Floor Isolation valve	15	10 Units
10	Manual Floor Isolation valve	22	1 Unit
11	Manual Floor Isolation valve	28	As per requirement
12	Manual Floor Isolation valve	42	As per requirement
13	Manual Floor Isolation valve	54	As per requirement
14	Alarm System	1 service	As per requirement
15	Alarm System	2 service	4 Units
16	Alarm System	3 service	1 Unit
17	Alarm System	4 service	As per requirement
18	Valve Box	1 service	As per requirement
19	Valve Box	2 service	19 Units
20	Valve Box	3 service	1 Unit
21	Valve Box	4 service	As per requirement
22	Gas Outlet Point	Any Type	345 Units
23	Ward vacuum units	Per unit	As per requirement
24	Flow meters units	Per unit	As per requirement
25	Bed Head Panel	Per Feet	As per requirement
26	Nist Connection		As per requirement

The detailed specifications are available at Page No.19 to 22.

* The quantity may increase /decrease as per actual requirement.

CONDITIONS:-

1. The sole manufacturers of medical gas pipeline & accessories or their authorized agents/distributors may quote their rates.
2. The firm should have been in existence for at-least three years and it should have annual turnover of at least Rs.50,00,000/- (Rupees fifty lacs only).
3. The tenders must reach in the Office of the Principal, Guru Gobind Singh Medical College & Hospital, Faridkot on or before 30.03.2015 upto 2:00 PM along with a DD for Rs.2000/- on account of **Tender Fee** in the name of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot.
4. The tenders will be opened on 30.03.2015 at 3:30 PM in the office of the Principal, Guru Gobind Singh Medical College & Hospital, Faridkot in the presence of intending tenderer(s).
5. The date & time for opening of Price bids of technically qualified bidders will be intimated later on.
6. The Earnest Money Deposit (EMD) @ 2% of the quoted amount shall be deposited along with the tender document in the shape DD from any of the commercial/nationalized bank in the favour of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot
7. The Principal reserves all rights to accept or reject any or all the tenders without assigning any reason.


Principal

Dated:

Place:

Faridkot
22/2/15

Annexure-II

(To be submitted in envelop no.2)

(To be furnished on non-judicial stamp paper worth Rs.15/- duly attested by Executive Magistrate or Notary Public).

AFFIDAVIT

I/We _____

partner/sole proprietor (Strike out whichever is not applicable) of (Name & Address of Firm)

_____ do hereby declare and solemnly affirm:-

- a) That the individual/firm/ company is **not debarred or black- listed** by any department of Union/ State Government or any autonomous institute.
- b) That no partner or shareholder, directly or indirectly connected with the applicant, has been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute.
- c) And that the terms and conditions for supply and installation of Medical Gas Pipeline & Accessories at GGSMCH, Faridkot, are acceptable to me/us. I/We will abide by them in letter and spirit.

Date:

Place:

DEPONENT

VERIFICATION

I/We do hereby solemnly declare and affirm that the above declarations are true and correct to the best of my/our knowledge and belief. No part of it is false and nothing has been concealed therein.

Date:

Place:

DEPONENT

Annexure-III

(To be submitted in envelope No.3)

TECHNICAL BID

(To be utilized by the bidders for quoting their prices)

Name and Address of the applicant / firm _____

Specify whether Manufacturer/Dealer/Distributor: _____

We hereby quote for supply & installation of Medical Gas Pipeline & Accessories

Sr. No.	Description of Items (complete specifications)	Qty
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Signature & seal of bidder

Place:

Date :

Note: Please enclose Catalogue/Brochure/Pamphlets with specifications.

Annexure-IV

**TERMS AND CONDITIONS
FOR SUPPLY AND INSTALLATION OF MEDICAL GAS PIPELINE SYSTEM &
ACCESSORIES**

1. SCOPE OF SUPPLY

Supply and installation medical gas pipeline system and accessories required at Guru Gobind Singh Medical College & Hospital, Faridkot:-

Sr. No.	Name of Item	Out Diameter in mm	Qty. Required
1	Copper pipe	12	As per requirement
2	Copper pipe	15	300 meters
3	Copper pipe	22	1000 meters
4	Copper pipe	28/0.9	As per requirement
5	Copper pipe	28/1.2	As per requirement
6	Copper pipe	42	As per requirement
7	Copper pipe	54	As per requirement
8	Manual Floor Isolation valve	12	As per requirement
9	Manual Floor Isolation valve	15	10 Units
10	Manual Floor Isolation valve	22	1 Unit
11	Manual Floor Isolation valve	28	As per requirement
12	Manual Floor Isolation valve	42	As per requirement
13	Manual Floor Isolation valve	54	As per requirement
14	Alarm System	1 service	As per requirement
15	Alarm System	2 service	4 Units
16	Alarm System	3 service	1 Unit
17	Alarm System	4 service	As per requirement
18	Valve Box	1 service	As per requirement
19	Valve Box	2 service	19 Units
20	Valve Box	3 service	1 Unit
21	Valve Box	4 service	As per requirement
22	Gas Outlet Point	Any Type	345 Units
23	Ward vacuum units	Per unit	As per requirement
24	Flow meters units	Per unit	As per requirement
25	Bed Head Panel	Per Feet	As per requirement
26	Nist Connection		As per requirement

The detailed specifications are available at Page No.14 to 31

2. ELIGIBILITY

- i) The sole manufacturers of medical gas pipeline & accessories or their authorized agents/distributors may quote their rates.
- ii) In case of Authorized Supplier/Agency/Distributor, the Authorization Certificate as per the Format given at Annexure-‘V’ should be attached.
- iii) In case the Tenderer is authorized dealer/supplier an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for after sales service till the date of guarantee/warranty of the equipment and

afterwards for a period of 10 years as per the Format given at Annexure – ‘VI’ is attached.

- iv) The firm should have been in existence for at-least three years and it should have annual turnover of at least Rs.50,00,000/- (Rupees fifty lacs only).

3. The Tender Biding Company will make arrangements for inspection of equipment by the Committee at their own expenses.
4. The tender should certify unequivocally that the articles or items offered conform strictly to the specifications given by him. Any accessories, as may be required, should form part of the machine The Tender Biding Company will make arrangements for inspection of equipment by the Committee at their own expenses.
5. The firm should have service center either in Punjab, Chandigarh, Delhi and Haryana. Acceptance of supply order implies acceptance of all the terms & conditions of tender/delivery.
6. Minimum delivery and installation period must be quoted clearly. The rates quoted should be F.O.R. destination i.e. GGS Medical College & Hospital, Faridkot and should also include packing and forwarding charges, taxes and other levies.
7. Price of AMC/CMC should be quoted & it will be optional for institute to opt for any.

8. **CRITERIA FOR EVALUATION OF PRICE BID**

The Price Bids of technically qualified bidders shall be evaluated on the basis of lowest bid criteria without compromising on the quality of material. Rates of all types of taxes as applicable during the contract period should be quoted clearly.

9. **SECURITY DEPOSIT:**

- i) The successful bidder shall be required to deposit a security of an amount equal to 10% of the final bid in the shape of Demand Draft in favour of Principal, Guru Gobind Singh Medical College & Hospital, Faridkot drawn on any commercial/nationalized bank, payable at Faridkot, before signing of this agreement.
- ii) The EMD will be refunded on receipt of Security Deposit.
- iii) The Earnest Money Deposit will be refunded to the unsuccessful bidders within three months of the date of award of Rate Contract.

10. **PAYMENT TERMS**

The 80% payment will be made after delivery, Inspection and successful installation/commissioning of machinery at the destination and on receipt of Security Deposit. The remaining 20% payment will be released after 60 days of successfully running of the gas pipeline system and satisfactory performance. The material will be accepted only if it is found as per approved specifications.

11. **PENALTY CLAUSE**

If the supply is not made within the stipulated period then late delivery charges @2% will be imposed on the total amount of Supply Order up to delay of 30 days and thereafter @ 4% for another 30 days after which Supply Order/Rate Contract will be deemed cancelled & security/earnest money forfeited and company will be black-listed for future.

12. **ARBITRATION**

- i) In the event of any dispute or differences arising between the parties with regard to the terms and conditions of the agreement/contract and/or with regard to the breach or interpretation thereof including all rights and liabilities there under on any matter whatsoever touching upon the terms and conditions of the agreement/contract whether in course of or after its termination the parties will settle the same at the first instance by mutual discussions/conciliation which would be conducted by the Principal, GGSMCH, Faridkot.
- ii) In the event the said mutual discussions/conciliation fails, the aggrieved party shall initiate arbitration proceedings for resolution of differences/disputes etc., mentioned above by appointing a sole arbitrator, who shall be the Registrar, BFUHS, Faridkot in which event the said proceeding shall be conducted in accordance with the provisions of the arbitration and conciliation.
- iii) The venue of such arbitration proceeding shall be at Faridkot and the court in Faridkot alone will have jurisdiction in respect of all proceedings connected there with.

Accepted

(Signature of Tenderer)
With seal and full address

Dated:

Place:

Annexure- V

MANUFACTURER'S/PRINCIPLE'S AUTHORIZATION FORM

TO

The Principal
Guru Gobind Singh Medical College
Faridkot -151203

Ref. No.....

Dated:

**Sub: Authorization Certificate in favour of M/s..... for supply
& installation of medical gas pipeline & accessories at Guru Gobind Singh
Medical College & Hospital, Faridkot.**

We, M/s....., who are established and reputable
manufacturers of(name of equipment) having factory(ies) at
..... and, hereby authorize
M/s.....(name and address) to bid, negotiate and
conclude the Tender formalities with you against Tender No..... for the
above equipment(s) manufactured by us.

No company or firm or individual other than M/s..... are
authorized to bid, negotiate and conclude the tender formalities in regard to this business
against this specific tender.

We, hereby extend our full guarantee and warranty as per the conditions of tender for
the goods offered for supply against this tender by the above firm.

Yours faithfully,

(Name)

For and on behalf of M/s.....
(name of manufacturer/Principle)

**Note: This letter should be signed by a person competent and having authority to
sign on behalf of manufacturer, and should be on manufacturer's Letter Head and
same will be kept in the Technical Bid Envelope.**

Annexure - VI

UNDERTAKING BY MANUFACTURER'S/PRINCIPLE'S

TO

The Principal
Guru Gobind Singh Medical College
Faridkot -151203

Ref. No.....

Dated:

Sub: Undertaking for after sales service till the date of warranty

We, M/s....., who are established and reputable manufacturer of(name of equipment) have authorized M/s.....(name and address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for the above equipment(s).

Further, we undertake that in case dealership/distributorship is withdrawn after supply & installation of medical gas pipeline system & accessories then we will be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years.

Yours faithfully,

(Name)

For and on behalf of M/s_____
(name of manufacturer/Principle)

Annexure- VII

(To be submitted in envelope No.3)

PRICE BID FORMAT

S.No	Item Description	Outer Dia in mm	Wt in gms as per UNIT	Price inclusive of installation and testing charges	Material %age	Service %age	VAT at Current Rate	Service tax at current rate	Net Price
				A	B	C	D	E	
1	Copper pipe	12							
2	Copper pipe	15							
3	Copper pipe	22							
4	Copper pipe	28/0.9							
5	Copper pipe	28/1.2							
6	Copper pipe	42							
7	Copper pipe	54							
8	Manual Floor Isolation valve	12							
9	Manual Floor Isolation valve	15							
10	Manual Floor Isolation valve	22							
11	Manual Floor Isolation valve	28							
12	Manual Floor Isolation valve	42							
13	Manual Floor Isolation valve	54							
14	Alarm System	1 service							
15	Alarm System	2 service							
16	Alarm System	3 service							
17	Alarm System	4 service							
18	Valve Box	1 service							
19	Valve Box	2 service							
20	Valve Box	3 service							
21	Valve Box	4 service							
22	Gas Outlet Point	Any Type							
23	Ward vacuum units	Per unit							
24	Flow meters units	Per unit							
25	Bed Head Panel	Per Feet							
26	Nist Connection								

Note: Minimum delivery period must be quoted clearly in the offer. The rates quoted should be F.O.R. destination and should also include packing and forwarding charges, taxes and other levies. Any taxes, if applicable, should also be quoted clearly.

(This letter along with Earnest Money Deposit be submitted in the ENVELOPE NO.1)

From:

M/s _____

To

Principal
Guru Gobind Singh Medical College & Hospital,
Faridkot -151203.

Sub: Tender for supply & installation of medical gas pipeline & accessories at Guru Gobind Singh Medical College & Hospital, Faridkot

Sir/Madam,

Please find enclosed herewith Earnest Money Deposit (EMD) @ 2% of the quoted amount in the shape of Demand Draft No. _____ dated _____ issued by _____ (Name of the Bank) drawn in favour of the Guru Gobind Singh Medical College & Hospital, Faridkot[**PLEASE DON'T MENTION THE AMOUNT**].

It is certified that all documents/ pages of the tender documents have been signed and are being put in one big envelope containing three separate sealed packets/envelopes. The first envelope contains EMD in the shape of Demand Draft drawn in favour of the Principal, Guru Gobind Singh Medical College & Hospital, Faridkot. The 2nd envelope contains Technical bid along with tender documents complete with its Annexure I, II, III, IV, V & VI. The 3rd envelope contains only Price Bid, which is duly signed. The terms and conditions mentioned in the tender documents are acceptable to me/us.

Thanking you.

Yours faithfully,

(SIGNATURE)

With seal & full address

(This letter along with Technical bid and Tender documents
to be submitted in the ENVELOPE NO.2)

From:

M/s _____

To

The Principal
Guru Gobind Singh Medical College & Hospital,
Faridkot - 151203

Sub: Tender for supply & installation of medical gas pipeline & accessories at Guru Gobind Singh Medical College & Hospital, Faridkot.

Sir/Madam,

With reference to your Tender Notice for **supply & installation of medical gas pipeline & accessories** at Guru Gobind Singh Medical College & Hospital, Faridkot, we enclose herewith our **Technical Bid** duly filled, along with tender documents Annexures I, II, III, IV, V & VI

It is certified that all documents /pages of the tender documents have been signed and are being put in big envelope containing three separate sealed packets/ envelopes. The first envelope contains EMD in the shape of Demand draft drawn in favour of the Principal, Guru Gobind Singh Medical College & Hospital. The 2nd envelope contains Technical Bid along with tender documents complete with its annexure I, II, III, IV, V & VI. The 3rd envelope contains only Price Bid, which is duly signed. The term and conditions mentioned in the tender documents are acceptable to me/us.

Thanking you.

Yours faithfully,

(Signature)

With seal and full address.

Enclosed:

1. Tender Notice.
2. Affidavit.
3. Annexure I, II, III, IV, V & VI duly signed
4. Any other document.

(This letter along with Price Bid be submitted in the ENVELOPE NO. 3)

From:

M/s _____

To

The Principal
Guru Gobind Singh Medical college
Faridkot - 151203

Sub: **Tender for supply & installation of medical gas pipeline & accessories at Guru Gobind Singh Medical College & Hospital, Faridkot – Price Bid.**

Sir/Madam

Please find enclosed herewith Price Bid duly filled and signed for **supply & installation of medical gas pipeline & accessories at Guru Gobind Singh Medical College & Hospital, Faridkot**

Thanking you.

Your faithfully,

(Signature)

With seal and full address

Enclosed:

Price Bid (Annexure VII

Technical requirements for rate contract for Medical Gas Pipeline System & Accessories

1. Supply and installation of medical gas pipeline system including copper pipe, valves, valve box, alarm system and gas outlet points.
 - a. Price should be inclusive of Installation, testing and maintenance charges for 5 years, warranty for 5 years and inclusive of installation and fixing of bed head panel procured by tenderer.
2. Supply of (Price should be inclusive of warranty, with maintenance at tenderer's site for 5 years):
 - a. ward vacuum units
 - b. flow meters units
 - c. bed head panels
3. Items at S.No 1, 2a, 2b, 2c shall be considered as separately items and separate rate contract shall be signed for them individually.
4. All prices quoted should be inclusive of service charges. VAT and service tax shall be additional as applicable (to be mentioned along with bid). Bidder should specify the material and service component for tax calculation
5. Price shall be applicable for modifications in existing system also

TECHNICAL SPECIFICATIONS OF MATERIALS TO BE SUPPLIED **GAS PIPE LINE, FITTINGS, VALVES, VALVE BOXES - Specifications**

Gas pipe line, fittings and valves: The piped distribution system shall use copper pipes manufactured from phosphorous de-oxidised non-arsenical copper, seamless, half hard, and tempered to comply with ASTM B819 or EN 13348:2001 standards. Pipes are to be degreased suitable for oxygen use. Each lot should have manufacturer's Test Certificate and preferably inspected by reputed third party inspection agency.

- a) The pipe sizes to be used are from among as under:

<i>S.No</i>	<i>Copper Pipe outer Dia in mm</i>	<i>Minimum thickness</i>	<i>Minimum weight in grams per meter</i>
<i>1</i>	<i>12</i>	<i>0.7</i>	<i>0.45</i>
<i>2</i>	<i>15</i>	<i>0.9</i>	<i>0.55</i>
<i>3</i>	<i>22</i>	<i>0.9</i>	<i>0.77</i>
<i>4</i>	<i>28</i>	<i>0.9</i>	<i>0.90</i>
<i>5</i>	<i>28</i>	<i>1.2</i>	<i>1.10</i>
<i>6</i>	<i>42</i>	<i>1.2</i>	<i>1.60</i>
<i>7</i>	<i>54</i>	<i>1.2</i>	<i>1.90</i>

- b) Rates to be quoted separately for each size of pipeline in meters and measurement on site shall be rounded off to the next centimeter after total measurements
- c) Fittings shall be end fed 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 to be suitable for oxygen use and copper fittings shall be considered as a part of running length of pipe and will not be counted separately.

- d) Copper to copper joints shall be made on site using (5% silver) silver-copper-phosphorous brazing alloy to BS 1845 using an oxygen free nitrogen inert gas shield and no flux.
- e) Copper to brass or gunmetal joints shall be made with 43% silver, silver-copper-phosphorous brazing alloy
- f) Except for 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 nominally cadmium free (less than 0.025% mass fraction).
- g) Pipelines should be supported at the intervals specified in HTM 2022/02-01 using a suitable medical grade material
- h) Specs for manual floor isolation valve should be brass body with PTFE Seat and SS ball. Each Medical gas line ball valve assembly shall terminate in copper stub pipes to enable brazing direct into the distribution system using the flux less brazing technique. Valve should have adaptor on either side with O rings/sealing gaskets (nylon/PTFE) used for sealing, PTFE tape or any other thread sealing media is not acceptable. These adaptors should then be attached to brass nipple with NUT of appropriate size side with O rings/sealing gaskets (nylon/PTFE) used for sealing, PTFE tape or any other thread sealing media is not acceptable. Separate price to be quote for each unit

<i>S.No</i>	<i>Isolation valve for Copper Pipe outer Dia in mm</i>	<i>Minimum weight in grams per unit with adaptor, nipple nut, nut but without packing, handle</i>
<i>1</i>	<i>12</i>	<i>240</i>
<i>2</i>	<i>15</i>	<i>390</i>
<i>3</i>	<i>22</i>	<i>600</i>
<i>4</i>	<i>28</i>	<i>900</i>
<i>5</i>	<i>42</i>	<i>2000</i>
<i>6</i>	<i>54</i>	<i>2600</i>

- i) **Test:** After erection, all the new pipes cleaned or purged with the help of dry nitrogen gas. And should be tested with dry nitrogen 1.5 times of working pressure for 24 hrs. System should be tested for integrity, leakage, obstruction flow, particulate contamination, pressure relief valve, and monitoring and alarm system.
- j) The pipes should be accompanied with manufacturer (OEM) test certificate for the physical properties & chemical composition.
- k) Pipeline laid should pass Lloyd certification testing for pipelines. Further tenderer may its own cost get the pipeline system so installed tested by a third party.
- l) **Marking and color coding:** Pipeline shall be marked with the name and/or symbol adjacent to shutoff valves, at the junctions and the changes of direction, before and after walls and partitions, etc. at the intervals of no more than 10 meter and adjacent to terminal units. Marking shall include arrows denoting direction of flow and letters used for marking not less than 6mm high. All the exposed pipes/should be painted with two coats of synthetic enamel paint & color codification to comply with ISO 5359. All concealed pipes to have gas identification bands/labels at appropriate distance. Similarly all pipes which need embedding in the wall will be tested/painted/labeled and properly insulated in accordance with ISO 5359.
- m) **Valve boxes:** Lockable non-interchangeable screw thread (NIST) fittings according to BS EN 15908 to be provided on one side of oxygen pipeline. Separate quote

(excluding cost of valve(s)) should be submitted for single, double, three and four service supply. Specifications of valves used in valve boxes shall be as defined elsewhere in this document.

MONITORING AND ALARM SYSTEM - Specifications

Area line pressure monitoring system

- 1) Separate quote should be given for one service, two services, three services and four service units.
- 2) All parameters should be displayed in digital form.
- 3) Signals should be auditory, visual and indicate color.
- 4) Operator can silence the auditory signals but silencing period should not exceed 15 min.
- 5) The alarm system will be of modular construction and digital type, should provide visual indication of normal status.
- 6) Calibration certificate for each such unit installed should be provided along and further calibration certificates in future to be provided during guarantee period as per NABH or other Indian guidelines applicable for hospitals.
- 7) The alarm panel shall have a 'Test' facility to prove the integrity of the internal circuits

TERMINAL OUTLETS POINTS – Specifications

- 1) Should be parkodex type (brass body)
- 2) Should include adaptor/keypad plug as applicable made of SS 304
- 3) OEM should have ISO certificate (copy to be attached)
- 4) Outlets should be CE market and stamped individually (certificate copy to be attached)

WARD VACUUM UNIT WALL MOUNTED TYPE – Specifications

With wall Mount bracket
Jar Capacity of 600 ml
Flow pressure control range 0 to 700 Mm/Hg
Over flow safety valve in lid Assembly
Jar made of Unbreakable, Polycarbonate
steam sterilizable upto 134 Deg Celsius
Vacuum Control On Off Knob
Lid made of ABS Plastic
three way valve for either side and both side operations
High pressure inlet hose length of 1 mtr
Low pressure collection end hose in 2 mtrs

FLOW METER WITH HUMIDIFIER – Specifications

Back pressure compensated flow meter will be of accurate gas measurement with following features:-

O2 Flow meter with Humidifier bottle - warranty in years
Lid Made of ABS Plastic
Jar Made of Unbreakable, Polycarbonate body
Jar Capacity in 200 ml
Value material and body of CP brass
Flow indicator material of plastic
Jar should be Autoclaveable/gas sterilisable
Flow control within range of 0-15 l/min

BED HEAD PANNEL – Specifications

The bed head panels have following features:

1. Made of 2 mm thickness with inbuilt double railing.
2. The chamber of medical gas outlets (center plate) should be made of powder coated anodized aluminum.
3. The panel will be powder coated as per user's color choice with 50-60 micron powder coating.
4. Outlet points, electrical, nurse call bell etc shall be as per the length of the bed head panel and as per site requirements from time to time
5. The panel should be with vertical aluminum partition between low voltage / high voltage / gas outlet point as applicable
6. Separate price should be quote for 1feet, 2feet, 3 feet, 4 feet wide panel and also in case of full width coverage price be give for per running meter.
7. The railing should be designed to have provision to accommodate the following accessories (not required):
 - a. IV Pole
 - b. Infusion pump / syringe pump stand
 - c. Utility basket
 - d. Examination lamp
 - e. Ward vacuum unit
 - f. Monitor tray
6. Minimum weight of bed head panel – 2kg per feet
