



**GOVERNMENT OF SIKKIM
HEALTH AND FAMILY WELFARE DEPARTMENT**

NON TRANSFERABLE

**TENDER DOCUMENT FOR
THE SUPPLY, INSTALLATION AND COMMISSIONING OF MEDICAL OXYGEN
PIPELINE SYSTEM (MGPS) FOR SINGTAM, NAMCHI, GYALSHING
DISTRICT HOSPITALS.**

TENDER DOCUMENT NO:

SUBMITTED BY:

M/S

ADDRESS

PHONE

EMAIL



**HEALTH AND FAMILY WELFARE DEPARTMENT
GOVERNMENT OF SIKKIM
GANGTOK.**

TENDER NOTICE

Tender No. 002/SHMS/H&FW/2021-22

Date: 16/08/2021

The Health & F W Department, Government of Sikkim invites from registered firm) for the “**Supply, installation and commissioning of Medical Oxygen Pipeline system (MGPS) for Singtam, Namchi, Gyalshing District Hospitals**”.

Date and Time for sale of Tender Documents	23/08/2021 to 27/08/2021 (11:00 am to 03:00 pm)
Tender Fee	Rs. 10,000.00 payable vide Demand Draft from any Nationalized Bank payable at Gangtok, Sikkim, in favour of Director Accounts, H & FW Deptt. Govt. of Sikkim.
Date and time for submission of Tender	01/09/2021, (11:00 am to 03:00 pm) 02/09/2021(11:00 am to 12:30 pm)
Date and Time for Tender Opening	02/09/2021 01:00 pm
Venue for sale and submission of documents	Office of the Addl. Chief Engineer (Mech.), Health Care, Human Service & Family Welfare Department, Health Annexe Building, Tadong, East Sikkim.
Earnest Money Deposit (EMD)	Rs. 1,25,000.00 in the form of TDR from State Bank of Sikkim or FDR from any Nationalized bank, payable at Gangtok, Sikkim in favour of Addl. Chief Engineer (Mech.), H & FW Department, Government of Sikkim.

The tender details, document can be viewed and downloaded from Government of Sikkim website www.sikkim.gov.in and the requisite fee may be paid at the time of submission of proposal. The department reserves the right to accept or reject one or all the bids without assigning any reasons, thereof.

Additional Chief Engineer (Mech.)
Health & FW Deptt.
Govt. of Sikkim

INTRODUCTION

With the aim of strengthening the tender process, make it more effective and transparent, Health & Family welfare dept. has initiated tender for “**Supply Installation and Commissioning of Medical Oxygen Pipeline System (MGPS) for Singtam, Namchi, Gyalshing District Hospitals**”.

With the sole aim of providing better health services to the people and to achieve better health standards, we request all bidders to support us in our objectives to establish the best competitive rates.

SCOPE & DESCRIPTION OF CONTRACT

Scope

The tenders are invited for the “**Supply, Installation and Commissioning of Medical Oxygen Pipeline System (MGPS) for Singtam, Namchi, Gyalshing District Hospitals**”, the details of which are mentioned in the Tender details and guidelines.

Running contract: This tender is a “Running contract” for a period of 1 (one) years. The tenderers are expected to quote their best rates for the equipment.

The tenderer can withdraw at any point of time, after the minimum price firmness period of 180 days, but not after accepting the Award of Contract or entering into agreement with Health & FW Deptt or without giving a one month prior notice.

TENDER SCHEDULE

3.1. Tender Details

1	Tender No.	002/SHMS/H&FW/2021-22
2	Cost of Tender Document	Rs. 10,000/-
3	Estimated Tender Value	Rs. 50,00,000 /-
4	Earnest Money Deposit	Rs. 1,25,000/-
5	Performance Security	5% of the Total Order Value or Retention of EMD
6	Validity of Performance Security	Up-to 60 days after the date of completion of the contractual obligations

3.2. Important dates:

SI No	Critical Dates	Dates	Time
1.	Date of Sale of Documents	23/08/2021 to 27/08/2021	11:00 am to 03:00 pm
2.	Bid Submission Start Date	01/09/2021	11:00 am to 03:00 pm
3.	Bid Submission End Date	02/09/2021	11:00 am to 12:30 pm
4.	Bid Opening Date	02/09/2021	01:00 pm

TENDER DETAILS & GUIDELINES FOR PREPARATION OF TENDER

- i. The Tenderer shall bear all costs associated with the preparation and submission of its bid and Health & FW Deptt, hereinafter referred to as “Tender Inviting Authority”, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- ii. In the event of documentary proof as required being not enclosed, the Tender shall be liable to be rejected. All pages of the bid, shall be signed by the authorized person or persons signing the bid along with the stamp of the tenderer.
- iii. Language of Bid:- The Bid prepared by the tenderer and all correspondence and documents relating to the bid exchanged by the Tenderer and the Tender Inviting Authority, shall be in English language.
- iv. The tender (in English Language only) must be submitted along with detailed specifications.
- v. The documentary evidence submitted along with the Tender shall be produced duly attested by the tenderer on every page and serially numbered. Any interlineations, erasures or over writing shall be valid only if they are initialed by the person (s) signing the offer.
- vi. Tender shall submit a declaration letter as per the format given as *Annexure II* and copy of amendments published if any signed by the tenderer or the authorized representative shall be enclosed as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.
- vii. An offer submitted in vague /ambiguous financial terms and the like, shall be termed as non-responsive and shall be summarily rejected.
- viii. Tenderers shall submit all the necessary documents before the last date & time and The Tender Inviting Authority shall not be held liable for the delay.
- ix. Any clarification on the tender procedure/document shall be obtained from Additional Chief Engineer (Mech.), Annex building, Convoy ground Tadong, Gangtok or by mail cellmechanical@gmail.com.
- x. On line payment of Tender document cost and the EMD is not accepted.
- xi. The tenderer cannot modify or withdraw bids submitted after the last date & time for submission. The tenderer shall be responsible for properly submitting the relevant documents in the format specified in the RFP and the Tender Inviting Authority shall not be held liable for errors or mistakes done while submitting the bid.
- xii. All equipments shall come with at least 1 (one) year of warranty/guarantee.

TENDER DETAILS

7.1 COST & DEPOSIT OF TENDER FEE: Tender documents must be obtained from the office of the Addl. Chief Engineer (Mechanical), Annex building, Convoy ground, Tadong or downloaded from www.sikkim.gov.in. The cost of tender documents amounting to Rs. 10,000/- only, which is non-refundable, in the form of BR/Challan State Bank of Sikkim or Demand Draft issued by any Nationalized Bank favoring **Addl. Director Accounts**, Health & FW Deptt. Govt. of Sikkim, payable in Gangtok and must be submitted in person to Additional Chief Engineer (Mechanical).

7.2 EARNEST MONEY: The **Earnest Money Deposit @ 2.5% of the Tendered value** should be in the form of TDR from State Bank of Sikkim or FDR from any Nationalized bank, payable at Gangtok, Sikkim in favour of **Additional Chief Engineer (Mech.), Health & FW Deptt, Government of Sikkim**. The original draft should be submitted along with the tender. The EMD will be forfeited, if a tenderer:

- withdraws his/her tender as a whole or for any particular item at any stage after opening of the tender,
- Fails / refuses to enter into written agreement / undertaking for supply of all or any of the approved items within the specified time period.
- Misrepresentation of facts or submit fabricated/forged/tempered/altered/manipulated documents during verification of tender process.
- Fails to furnish performance security after issuance of notice for Award of Contract.

7.3 ACCEPTANCE / REJECTION OF TENDERS:

7.3.1 At any point of time, the Tender Inviting Authority reserves the right to cancel or modify the supply order even after it is awarded to the successful tenderer in the event the firm deviates from the agreed terms and conditions.

7.3.2 The Authority reserves the right to accept or reject any or all of the Bids without assigning any reason and to take any measure as the Authority may deem fit, including annulment of the bidding process, at any time prior to execution of the Agreement, without liability or any obligation for such acceptance, rejection or annulment.

7.4 EVALUATION OF BIDS

- 7.4.1** The commercial terms and documents submitted as part of the technical bids shall be scrutinized by the Tender Committee.
- 7.4.2** The Tender Committee may also verify the veracity of claims in respect of the known performance of the equipment offered, the experience and reputation of tenderer in the field, the financial solvency etc.
- 7.4.3** The Tender Committee will have the full right to debar/black list a tenderer, at any stage of tender process or thereafter, in the event of being found after verification to indulge in concealment or misrepresentation of facts, in respect of the claims of the offer.
- 7.4.4** Arithmetical errors shall be rectified on the following basis: If there occurs a discrepancy between words and figures, the amount in words shall prevail and the offer shall stand corrected to that effect. If the tenderer does not accept the correction of errors, his offer shall be rejected.

Tenderer should furnish the following documents in the Technical Bid

- 7.4.5 Valid GST Certificate.**
The Bidder should submit latest copy of **Valid GST Certificate**.
- 7.4.6 Valid Non Conviction Certificate**
The Bidder should submit a latest copy of **Valid Non Conviction Certificate** proving that the firms has not been blacklisted/ debarred by any Tender Inviting Authority or by any State Government or Central Government department/organization. (Notarized Affidavit as per format in *Annexure III*)
- 7.4.7 Valid Trade License**
The Bidder should submit their latest copy of the registered **Valid Trade License**.
- 7.4.8 Tender Cost and EMD**
The bidders should submit a Tender document Cost and EMD with the Bid. (If Tender document is purchased from the office, the requisite Tender cost must be paid at the office)
- 7.4.9 ISO/CE Certificate.**
Products should be ISO/BIS/European CE/FDA/US FDA Certified (whichever is applicable)

7.4.10 Declaration Form

The Bidder should submit the duly signed copy of the Declaration form as per *Annexure II* stating that they have carefully gone through the terms and conditions in the tender documents and have agreed to it and accept the same.

7.11.11 Sealing and Submission of Proposal

- The Bidder shall submit one copy of Tender Document and required documents as per RFP duly signed and sealed in all pages and mark the Envelope as Technical Bid (envelope A).
- The Bidder shall submit the Financial Bid as per *Annexure VI* in a separate sealed envelope marked as financial bid (envelope B).
- The two envelopes (A & B) mentioned above shall be placed in an outer envelope, which shall be sealed and marked as **“Supply, Installation and Commissioning of Medical Oxygen Pipeline and Suction pipeline system (MGPS) for Singtam, Namchi, Gyalshing District Hospitals”**.
- All documents should be submitted in a hard bound form (hard bound implies binding between two covers through spiral binding or otherwise whereby it may not be possible to replace any paper without disturbing the document) (loose form, etc. will be not accepted), either singularly or with several documents bound together. The Proposal should not include any loose papers.
- Each of the envelopes shall indicate the complete name, address, telephone number (with country and city code), e-mail, and facsimile number of the Bidder.
- Each envelope shall be addressed and submitted before the due date to:

Additional Chief Engineer (Mech.),
Health & Family Welfare Department,
Health Annex Building,
Tadong, Gangtok East Sikkim

- The Authority reserves the right to reject any Proposal which is not sealed and marked as instructed above and will assume no responsibility for the misplacement or premature opening of the Proposal.

7.5 FINANCIAL BID

- 7.5.1** The bidder should quote the prices in the bidder's letter head as per *Annexure IV*. The Financial bids submitted in any other formats will be treated as non-responsive and will not be considered for tabulation and comparison.
- 7.5.2** Prices quoted by the Tenderer shall be fixed during the period of the contract and not subject to variation on any account.
- 7.5.3** There shall also be no hidden costs.
- 7.5.4** Applicable taxes shall be quoted in this column.
- 7.5.5** The bidder who fails to qualify the technical bid, the financial bid of such will be returned unopened
- 7.5.6** The bidder who fails to qualify the technical bid, the financial bid of such will be returned unopened
- 7.5.7** The rates individually will not be considered and the L1 will be declared on the total cost of each facility i.e A,B and C.

7.15 AWARD OF CONTRACT

- 7.15.1** The contract will be awarded to the lowest evaluated responsive tenderer qualifying to the final round after scrutiny of the technical bids, i.e. after price bid opening.
- 7.15.2** Variation of Quantities at the Time of Award of Contract:-At the time of awarding the contract, the Tender Inviting Authority reserves the right to increase or decrease the quantity of goods and services without any change in the unit price and other terms & conditions quoted by the tenderer.

PERFORMANCE SECURITY

- 8.1** There will be a performance security deposit amounting to the total value as mentioned in the Tender Schedule excluding taxes, which shall be submitted by the successful tenderer to the Tender Inviting Authority within 10 days from the date of issuance of notice for Award of Contract.
- 8.2** The Award of Contract should be duly signed and returned to the Tender Inviting Authority accompanied by Performance Security Deposit in the form of FDR/ Bank Guarantee from any Nationalized Bank in India (in favour of Additional Chief Engineer (Mech.) H & FW dept.) (As per *Annexure V*) in the prescribed format. The performance security shall remain valid for a period which is 6 months beyond the date of expiry of the contract

RESOLUTION OF DISPUTES

- 8.3 If dispute or difference of any kind shall arise between the Tender Inviting Authority/User Institution and the successful tenderer in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 8.4 In the case of a dispute or difference arising between the Tender Inviting Authority/User Institution and a domestic Successful tenderer relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of Secretary to Health, Govt. of Sikkim whose decision shall be final.
- 8.5 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., Gangtok, Sikkim, India.

APPLICABLE LAW & JURISDICTION OF COURTS

- 18.1 The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.
- 18.2 All disputes arising out of this tender will be subject to the jurisdiction of courts of law in Sikkim.

**Additional Chief Engineer (Mech.)
Health & F. W. Department
Government of Sikkim**

ANNEXURE I

Sr. No.	Technical specifications	
	CENTRAL OXYGEN& VACUUM	
A	COPPER PIPES (Quantity in meters)	
1	Pipe material	Copper Pipes will be Solid drawn, seamless, deoxidised, non-arsenical, half hard tempered and degreased, materials conforming to BS: 6017/1981 Table – 2 (Cu-DHP) manufactured as per BS: 2871/1971 Part 1 Table-X and dimension tolerances conforming to BS-EN 1057. Pipe fittings conform to BS-EN 1254-3:1998. Lloyd’s certified
2	Fittings	End-feed type, made from the same grade of copper as the pipes, and in accordance with the requirements of BS- EN 1254-1: 1998 Part 1.
3	Delivery to site	In degreased condition, plugged or capped at both ends and supplied sealed in protective polythene bags, accompanied by certificate from Lloyd’s certified
4	Joints, on site	To be brazed, except for mechanical joints used for components, employing a method that permits the joints to maintain their mechanical characteristics upto 600 deg C
5	Brazing system	Fluxless brazing using a copper phosphorous brazing alloy to BS-1845.
6	Pipe wall thickness	<u>Copper pipe OD (in mm)</u> 12,15,22,28 42 Thickness (in mm) 0.9 1.2
7	Pipe clamps	Shall be non-reactive to copper and be of non-ferrous or non-deteriorating plastic suitable for the diameter of the pipe.
8	Pipeline supports	Spacing not to exceed 1.5M, irrespective of the pipe diameter.
9	Passage through walls & floors	Through suitable sleeves.
10	Earthing	To be connected to one or more earth terminals.
11	Painting	All exposed pipes to be painted with two coats of synthetic enamel paint, the colour codification complying with ISO 5359 / IS 2379.
12	Marking and colour coding	To marked with the name and / or symbol adjacent to shut-off valves, at the junctions and the changes of direction, before and after walls and partitions, etc. at the intervals of no more that 10M and adjacent terminal units.
13	Direction marks	Marking to include arrows denoting direction of flow and letters used for marking shall not be less than 6mm high.

14	Identification	All concealed pipes to have gas identification bands/ labels are appropriate distance, similarly all pipes which need embedding in the wall will to be tested/ painted/ labeled and properly insulated in accordance with ISO 5359.
15	Post installation	After erection, the pipelines are to be flushed and purged clean with dry nitrogen gas.
16	Testing	Pressure testing using dry nitrogen gas at 1.5 times the working pressure for at least 24 hours. System should exhibit its integrity and no-leakage. All contraindications, if any, to be carefully examined, problems diagnosed and necessary rectifications/ substitutions carried out, and test repeated after re-purging the lines.
17	COLOUR CODE FOR MEDICAL GASES PIPES As per IS 2379-1963:	
	SERVICE	GROUND FIRST SECOND COLOUR BAND
	Oxygen	Canary Yellow White -----
	Vacuum	Sky Blue Black -----
B	GAS OUTLET POINTS FOR OXYGEN& VACUUM- [Approx. Quantity in No.:- Oxygen (30) & Vacuum (30)].	
1	Type	Conforms to DIN type
2	Type of outlet	Double locking parking type
3	Valves	Primary & secondary check valves for all positive gas & negative services
4	Inlet	Copper stubs around 175mm long, 12mm OD copper pipe
5	Front plate	Colour-coded
6	Compliance	NFPA-99 & EN-737
7	Postinstallation purging	After erection, to be flushed and purged clean with dry nitrogen
C	ISOLATION VALVES :	
1	Type	Ball Valve type
2	Make	
3	Working temperature	Minimum: (-30°). Maximum : (180°)
4	Body	Brass bodied along with ball, stem, stem seal, Teflon Seal and 'O' ring
5	Connection	The ends of the valve have flare nipples which can be connected to copper pipe of respective outer diameter with the help of a flare nut.

D BPC FLOWMETERS WITH HUMIDIFIER		
1	Type	Back Pressure compensated, with humidifier & adopter
2	Capacity	1 to 12 lpm with inlet pressure of 50 to 60 psi.
3	Fitting arrangement	To be fixed in outlet points.
4	Body	Brass
5	Humidifier	250Cc, Polycarbonate, unbreakable, reusable, autoclavable (134 degC)
E CONTROL PANEL FOR OXYGEN		
1	Service	1)FOR OXYGEN: As sole controller for supply from primary, secondary & reserve sources of oxygen: three-inlet system (three source)
2	Compliance	NFPA-99/ EN737.
3	Model	
4	Control Unit/ Alarm on panel	Electronic (Microprocessor) based.
5	Make	
6	Capacity	Upto 130m3/hr at 4 bar
7	Power compatibility	220V, 50Hz.
8	Operation	Fully automatic.
9	Changeover	Pneumatic (not electrical).
10	Other components	Line pressure regulator-3nos, pressure gauges, pressure relief mechanism
11	Bypass in case of malfunction	Bypass Valves
12	Display alarm	On panel
13	Output connection for local alarm	Two sets of dry contacts NO/NC.

14	Body	Sheet steel, epoxy coated
15	Delivery to site	In degreased condition, supplied sealed in protective polythene bags.
16	Testing	Pre-delivery and post installation. Post installation testing to be carried out in the presence of Hospital Engineer.
F	OXYGEN MANIFOLD SYSTEM	
1	Service	As secondary/ reserve source, the primary source being the liquid oxygen bullets arranged through other contracts.
2	Main manifold configuration	2 x 6 cylinders
3	Emergency Manifold	2 x 2 cylinders with single regulator
4	Pressure rating	145 kg/sq.cm.
5	Flow rate	[specify] attach calculation
6	Format	Wall-mounting straight line.
7	Top Frame	High pressure copper pipes of size ½ ” I.D. x 15swg, high pressure brass fittings made of high tensile brass, non-return valves & high pressure copper tail pipes, made of high pressure copper pipes of size ¼ ” I.D. x 15swg
8	Middle & Bottom frames	To suit both round and flat bottom cylinders.
9	High pressure regulators	For both manifold systems for reducing the cylinder pressure suitable to the line pressure.
10	Source shutoff Valves	For ease of changing and positioning, without closing the bank.
11	Filter	Pore size of not exceeding 100um, between the cylinder(s) and the first pressure regulators.
12	Fixity	Cylinder to be set in place using cylinder brackets and fixing chains, all zinc plated.
13	Painting	All works to be powder coated, the color codification complying with ISO 5359/ IS 2379.
14	Specific requirement	Non-halogenated polymer materials only are permitted to be used in the non-return valves.
15	Delivery to	In degreased condition, plugged or capped

	site	at all ends and supplied sealed in protective polythene bags, accompanied by pre-delivery test certificate.
16	Testing	Pre-delivery and post installation pressure testing to 1.5 times the working pressure.
17	Test documentation	Pre-delivery test certificate to accompany supply to site. Post-installation testing to be witnessed by the Engineer, who shall receive the documents.
G	VACUUM SYSTEM FOR CENTRAL SUCTION	
a	Vacuum Pump	INGERSOLL - RAND
1	Model	15V
2	Cylinders	
3	Size & Stroke	5-1/2" & 5-1/2" & 5-1/2x 4"
4	Piston Displacement	149.60 cfm or 4235 ltrs/ min
5	Maximum Vacuum with Closed Intake	29.20"of hg
6	Air Cooled	
7	Motor Make	
8	Type	Squirrel Cage
9	Rating	As per requirement
10	Enclosure	TEFC
11	Class of Insulation	B
12	5Hp Motor	
13	receiver	
14	Suction Filters	1no
15	N.R.V	
16	Bacterial Filter	1no
17	Electrical Panel	1No
b	<p>Electrical Panel The Electrical Panel consists of ML 2 Contactor and RT 121 Pressure Switch. If there are two or more Vacuum Pumps then the panel is designed with an automatic change over which helps the changeover of Vacuum Pump No. 1 to Vacuum Pump No. 2 automatically after 24hours hence the wear and tear of both pumps is equal. With the help of RT121 switch the pump automatically starts when the receiver reaches 400mm hg and cuts at 600mm hg. Hence it maintains a constant vacuum of 400mm hg at each outlet point. A single phase protector is provided in case any RYB phase fails resulting in the panel tripping off, thus saving the motor from burning.</p>	
c	<p>Vacuum Receiver Vacuum Receiver Tank</p>	

ANNEXURE II

DECLARATION FORM

I/We M/s. _____ represented by its Proprietor
/ Managing Partner / Managing Director having its Registered Office at

do hereby declare that I/We have carefully read all the conditions of tender

NO...../2021 DATED for supply of

..... invited by the Health & FW Deptt, Gangtok and accepts all conditions of

Tender.

Signature of the Tenderer
Name in capital letters with Designation

ANNEXURE III

AFFIDAVIT

Format for Affidavit certifying that Entity / Promoter(s) /Director(s)/Partners of Entity are not blacklisted

I, M/s. (Name of the firm), having registered office at hereby certify and confirm that we or any of our promoter(s) /director(s) are not barred by Department of Health & FW, Govt. of Sikkim/ or any other entity of GoS or blacklisted by any state government or central government / department / organization in India from participating in Tender/s, either individually or as member of a Consortium as on the (Last date of submission of tender).

We further confirm that we are aware that, our bid for the captioned tender would be liable for rejection in case any material misrepresentation is made or discovered at any stage of the Bidding Process or thereafter during the contract period.

Dated thisDay of, 20.....

Name of the Applicant

.....

Signature of the Authorized Person

.....

Name of the Authorised Person

ANNEXURE IV 'A'

FINANCIAL BID (Namchi District Hospital)

Sl. No.	Particulars	Tentative Qty.	Unit	Rate	Amount
	Supply Installation and Commissioning of Medical grade MGPS and Suction pipeline system with all fittings complete as per technical details.				
1.	12 mm Copper pipe	325	mts		
2.	15 mm Copper pipe	550	mts		
3.	22 mm Copper pipe	500	mts		
4.	28 mm Copper pipe	200	mts		
5.	42 mm Copper pipe	250	mts		
6.	12 mm Valve	5	nos		
7.	15 mm Valve	5	Nos		
8.	22 mm Valve	5	Nos		
9.	28 mm Valve	5	Nos		
10	42 mm Valve	5	Nos		
11	2 Gas valve box	20	Set		
12	2 Gas Alarm Set	20	Set		
13	3 Gas Alarm Set	20	Set		
14	4 Gas Alarm Set	20	Set		
15	Oxygen outlet	5	Nos		
16	Suction Outlet	5	Nos		
17	BPE Flow meter set with humidifier	150	Set		
18	Ward Vacuum system with 600 ml Jar & Regulator	150	Set		
19	Theatre Succession trolley	5	Nos		
20	2/10 Manifold system per cylinder inlet point	1	Nos		
21	4/2 Cylinder Emergency per cylinder inlet point	1	nos		
22	2/2 Manifold for Nitrous Oxide	1	Nos		
23	Automatic Control panel for Nitrous Oxide	1	Nos		
24	2 Cylinder emergency for Nitrous Oxide	1	Nos		
25	Non Return Valve	1	Nos		
26	Tail pipe	1	nos		
27	Valve Box	1	Nos		
28	Pressure Gauge	1	Nos		
29	Manifold arrangement	1	Nos		
30	Pressure Switches	2	Nos		
31	Union Fittings & Adaptors	2	Nos		
32	Adaptors for ventilators	2	Nos		
33	Fire extinguishers	3	Nos		
34	Warning signs boards	4	Nos		
35	Dismantling and reinstallation of manifold system	1	Job		
36	Pendant	1	nos		
		SubTotal			
		GST			
		Total 'A'			

Signature of the Tenderer
Name in capital letters with Designation
Seal:

ANNEXURE IV 'B'

Financial Bid (Singtam District Hospital)

Sl. No.	Particulars	Tentative Qty.	Unit	Rate	Amount
	Supply Installation and Commissioning of Medical grade MGPS and Suction pipeline system with all fittings complete as per technical details.				
1.	12 mm Copper pipe	325	mts		
2.	15 mm Copper pipe	550	mts		
3.	22 mm Copper pipe	500	mts		
4.	28 mm Copper pipe	200	mts		
5.	42 mm Copper pipe	250	mts		
6.	12 mm Valve	5	nos		
7.	15 mm Valve	5	Nos		
8.	22 mm Valve	5	Nos		
9.	28 mm Valve	5	Nos		
10.	42 mm Valve	5	Nos		
11.	2 Gas valve box	20	Set		
12.	2 Gas Alarm Set	20	Set		
13.	3 Gas Alarm Set	20	Set		
14.	4 Gas Alarm Set	20	Set		
15.	Oxygen outlet	5	Nos		
16.	Suction Outlet	5	Nos		
17.	BPE Flow meter set with humidifier	150	Set		
18.	Ward Vacuum system with 600 ml Jar & Regulator	150	Set		
19.	Theatre Suction trolley	5	Nos		
20.	2/10 Manifold system per cylinder inlet point	1	Nos		
21.	4/2 Cylinder Emergency per cylinder inlet point	1	nos		
22.	2/2 Manifold for Nitrous Oxide	1	Nos		
23.	Automatic Control panel for Nitrous Oxide	1	Nos		
24.	2 Cylinder emergency for Nitrous Oxide	1	Nos		
25.	Non Return Valve	1	Nos		
26.	Tail pipe	1	nos		
27.	Valve Box	1	Nos		
28.	Pressure Gauge	1	Nos		
29.	Manifold arrangement	1	Nos		
30.	Pressure Switches	2	Nos		
31.	Union Fittings & Adaptors	2	Nos		
32.	Adaptors for ventilators	2	Nos		
33.	Fire extinguishers	3	Nos		
34.	Warning signs boards	4	Nos		
35.	Dismantling and reinstallation of manifold system	1	Job		
36.	Pendant	1	nos		
		Subtotal			
		GST			
		Total 'B'			

Signature of the Tenderer

Name in capital letters with Designation

Seal:

ANNEXURE IV 'C'

Financial Bid (Gyalshing District Hospital)

Sl. No.	Particulars	Tentative Qty.	Unit	Rate	Amount
	Supply Installation and Commissioning of Medical grade MGPS and Suction pipeline system with all fittings complete as per technical details.				
1.	12 mm Copper pipe	150	mts		
2.	15 mm Copper pipe	200	mts		
3.	22 mm Copper pipe	200	mts		
4.	28 mm Copper pipe	100	mts		
5.	42 mm Copper pipe	150	mts		
6.	12 mm Valve	3	nos		
7.	15 mm Valve	3	Nos		
8.	22 mm Valve	3	Nos		
9.	28 mm Valve	3	Nos		
10	42 mm Valve	3	Nos		
11	2 Gas valve box	10	Set		
12	2 Gas Alarm Set	10	Set		
13	3 Gas Alarm Set	10	Set		
14	4 Gas Alarm Set	10	Set		
15	Oxygen outlet	3	Nos		
16	Suction Outlet	3	Nos		
17	BPE Flow meter set with humidifier	100	Set		
18	Ward Vacuum system with 600 ml Jar & Regulator	100	Set		
19	Theatre Succession trolley	3	Nos		
20	Manifold system per cylinder inlet point	1	Nos		
21	Cylinder Emergency per cylinder inlet point	1	nos		
22	2/2 Manifold for Nitrous Oxide	1	Nos		
23	Automatic Control panel for Nitrous Oxide	1	Nos		
24	2 Cylinder emergency for Nitrous Oxide	1	Nos		
25	Non Return Valve	1	Nos		
26	Copper Tail pipe	1	nos		
27	Valve Box	1	Nos		
28	Pressure Gauge	1	Nos		
29	Manifold arrangement	1	Nos		
30	Pressure Switches	2	Nos		
31	Union Fittings & Adaptors	2	Nos		
32	Adaptors for ventilators	2	Nos		
33	Fire extinguishers	3	Nos		
34	Warning signs boards	2	Nos		
35	Dismantling and reinstallation of manifold system	1	Job		
36	Pendant	1	nos		
		Subtotal			
		GST			
		Total 'C'			

Signature of the Tenderer

Name in capital letters with Designation

Seal:

ANNEXURE V

BANK GUARANTEE FORM

To,

The Additional Chief Engineer (Mechanical)
H & F.W. Department,
Tadong, Convoy Ground.

WHEREAS _____(Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of Tender /Contract no _____dated _____(herein after called “the contract”) to supply Health & FW Deptt with _____(description of goods and supplies).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total amount of _____(Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We undertake to pay you any money so demanded notwithstanding any dispute or disputes raised by the supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under these presents being absolute and unequivocal.

We agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

No action, event, or condition that by any applicable law should operate to discharge us from liability, hereunder shall have any effect and we hereby waive any right we may have to apply such law, so that in all respects our liability hereunder shall be irrevocable and except as stated herein, unconditional in all respects.

This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier(s).

We, _____(indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent, in writing, of Additional Engineer (Mechanical), Health & Family Welfare department.

This Guarantee will remain in force up to (Date). Unless a claim or a demand in writing is made against the bank in terms of this guarantee on or before the expiry of (Date) all your rights in the said guarantee shall be forfeited and we shall be relieved and discharged from all the liability there under irrespective of whether the original guarantee is received by us or not.

(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

