



**Tender For**  
**“SUPPLY OF OXYGEN MANIFOLD SYSTEM”**

**At**  
**SUB DIVISIONAL HOSPITAL, NILGIRI,**  
**BALASORE.**

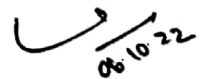
<b>Tender No.</b>	<b>1765 /06.10.2022</b>
<b>Pre Bid Meeting</b>	<b>12.10.2022 AT 11:00 A.M SDH, Nilgiri</b>
<b>Last Date of Submission</b>	<b>20.10.2022 by 05:00 PM by Speed Post or Regd. Post only</b>
<b>EMD</b>	<b>Rs.20,000/-</b>
<b>Tender Cost</b>	<b>Rs.2,100/-</b>

**Sub Divisional Hospital, Nilgiri, Balasore.**

Tele: 94399808-55/56

Email:sdhnilgiri@gmail.com

Govt. Portal: [www.baleswar.nic.in](http://www.baleswar.nic.in)

  
06/10/22

## TENDER DOCUMENT

### **“SUPPLY OF OXYGEN MANIFOLD SYSTEM AT SDH-NILGIRI”**

Tenders in sealed cover are invited under two-bid system from reputed and experienced Venders on behalf of the Superintendent, SDH-Nilgiri, Balasore for Supply/Installation of Oxygen Manifold System.

S. No.	Name of the Items required to be purchased	Quantity
1	Oxygen Manifold System with accessories & instalization.	01 Unit

The interested venders are required to submit the technical and financial bid separately. The bids in Sealed Cover-I containing “Technical Bid” and Sealed Cover-II containing “Financial Bid” should be placed in a third sealed cover super scribed “**Tender for Providing Oxygen Manifold System in SDH, Nilgiri**” and should reach at the office of “**The Superintendent, SDH-Nilgiri, before 05:00 PM on or before 20.10.2022.** The technical bids shall be **opened on 21.10.2022 at 11:00 hrs at SDH-Nilgiri.** In the event of any of the above mentioned date being declared as a holiday/closed day, the tenders will be opened on the next working day at the appointed time.

The tender document containing eligibility criterion, scope of work, terms & conditions and draft agreement should be downloaded from website [www.baleswar.nic.in](http://www.baleswar.nic.in). Along with all filled up tender paper the Bidder should enclosed a DD amounting of ₹ **2100/-** (Rupees Two Thousand One Hundred only)(non- refundable) in favour of “SDMO(SDSS)”, SDH-Nilgiri payable at Nilgiri, along with their tender bid in the Cover-I “Technical Bid” and the bid security (EMD) of ₹ **20,000/-** (Rupees Twenty thousand only) should be paid by Demand Draft/FD/BG in favour of “SDMO(SDSS)”, SDH-Nilgiri” payable at Nilgiri.

Any future clarification and/or corrigendum(s) shall be communicated through Superintendent, SDH-Nilgiri website: [www.baleswar.nic.in](http://www.baleswar.nic.in).

*Fraghan*

*06.10.22*

## Chapter - I Contract Form

### TENDER FORM - 1 - TECHNICAL INFORMATION AND UNDERTAKING

(Tenderer may use separate sheet wherever required)  
(In separate sealed Cover-I super scribed as "Technical Bid")

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number
1.	Name & Address of Tenderer with phone number, email, name and telephone/mobile	Mention in Letter head		
2.	Specify you are Company / Proprietorship / Partnership firm	Mention in Letter head		
3.	Specify your firm / company is a authorized dealer / distributor / Agency	Mention in Letter head		
4.	Name, Address & designation of the authorized person for signing the bid documents. (Authorization Letter)	Mention in Letter head		
5.	Tenderer must provide evidence of having supplied government organization / reputed private organizations in India similar nature of items in the last three years.	<ul style="list-style-type: none"> <li>• Copy of the all Supply orders.</li> <li>• Satisfaction certificates (along with contact details) from any government / reputed private organizations</li> </ul>		
6.	The Average annual turnover of the bidder in the last three financial years should not be less than ₹ 20,00,000/-	Copies of authenticated balance sheet for the past three financial years		
7.	A partner of the firm, if it is a partnership firm in which case he must have authority to execute the contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.	<b>Undertaking authorization letter</b>		
8.	Permanent Account Number	Copy of the PAN Card		
9.	Please attach copy of last three years of Income Tax Return			
10.	GST Certificate	Copy of Certificate		
11.	Acceptance of terms & conditions attached (Yes/No). Whether each page of filled up tender document and its annexure have been signed and stamped	Please sign each page of terms & conditions as token of acceptance and submit as part of tender document with technical bid. <b>Otherwise your tender will be rejected.</b>		

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*06.10.22*

S. N.	Description	Document Required	Document Supplied (Yes/No)	If yes, provide Reference page number
12.	Please submit a notarized affidavit on Indian Non judicial stamp paper of ₹ 100/- that no case is pending with the police against the Proprietor / firm / partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner. Please also declare that proprietor/firm has never been black listed by any organization.			
14.	Details of the FDR/DD/BG of bid security (EMD) ₹ 20,000/-	FDR/DD/BG No: Date: Payable at:		
15.	Detail of cost of Tender for ₹ 2,100/- (downloaded from website)	DD/Pay Order No. Date: Payable at-		

**Note:**

- Page number/serial number may be given to each and every page of Tender Documents and photocopies of the attested documents attached. Mention Page number, wherever the copy (ies) of the document(s) is kept.
- In case of non-fulfillment of any of the above information/ document(s), the Tender will be summarily rejected without giving any notice.

*Aradhana*

*06/10/22*

## Price Bid Oxygen Manifold System

Sl. No	Description of Items	Approximate Qty/No	Unit Price including Tax	Total Price including Tax
1	Gas Outlet {Terminal Units}			
	a) Oxygen Outlet	07		
	b) Oxygen Prop			
2	Vacuum Outlet	07		
3	Oxygen flow meter	07		
4	Vacuum Jar 600 ml.	07		
5	Vacuum Prop	07		
6	a) Air Outlet	04		
	b) Air Prop	04		
7	a) 15 mm Copper Pipe	50		
	b) 12 mm Copper Pipe	16		
	c) 22 mm Copper Pioe	50		
8	a) 15 mm Valbe	04		
	b) 22 mm Valbe	01		
9	2+2 Manifold	01		
10	Oxygen Control Panel	01		
11	Air Dryer	01		
12	Air Compressor	01		
13	Vaccume Pump	01		
14	Service Charge			
15	Turn Key	1		
<b>Total</b>				

- Approximate Quantity, Final Quantity may varies (Increase/ Decrease) as per actual or requirement by the Authority.
- Price will evaluate based on Unit price.
- Warranty period will be not less than 5 Years, Bidders have to Quoted Price for CMC up to 5 years after Warranty

*Radhan*

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06/10/24

**PRICE SCHEDULE FOR ANNUAL MAINTENANCE CONTRACT (A.M.C)  
AFTER EXPIRY OF WARRANTY  
(RATES SHOULD BE QUOTED IN INDIAN RUPEES ONLY)**

Sr No	SME Code No.	Name of the Equipment	For Sixth year with spare parts & labour	For Seventh year with spare parts & labour	For Eighth year with spare parts & labour	For Ninth year with spare parts & labour	For Tenth year with spare parts & labour
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Place:

Date:

Signature  
Name in Capital Letters  
Designation

**SPECIAL CONDITIONS**

1. The bidders should submit the relevant certificates / evidence of previous supply to other hospitals. If required, the technical committee may enquire from the other hospitals where the bidders have supplied the material.
2. The bidders should also submit a certificate from the relevant authority as to the quality of the equipment.
3. The bidder should not have been blacklisted before.
4. The bidders shall also arrange for the demonstration of their equipment to the concerned committee regarding the quality aspect.

*Radhan*

*06/02/22*

## Declaration by the Bidder:

1. This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained in Tender document regarding terms & condition of the contract, rules regarding supply of Oxygen Manifold System. I/we agree to abide them.
2. No other charges would be payable by Client and there would be no increase in rates during the Contract period.

Place:.....

(Signature of Bidder with seal)

Date:.....

Name :

Seal :

Address:

*Radhan*

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06/10/22

## DETAILS OF TECHNICAL SPECIFICATION

SL.	ITEM NAME	DETAIL SPECIFICATION										
01.	Gas Outlets Terminal units( M70 type) for :- <ul style="list-style-type: none"> <li>• Oxygen</li> <li>• Air</li> <li>• Vacuum</li> <li>• Nitrous</li> </ul>	<ul style="list-style-type: none"> <li>↓ Integral check valve.</li> <li>↓ All metal construction</li> <li>↓ Individually tested &amp; certified.</li> <li>↓ Full range of mounting.</li> <li>↓ ISO certified Manufacturer.</li> </ul>										
02.	Medical grade copper tubes, fittings and fixtures. <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>O.D</th> <th>Thickness of tube</th> </tr> </thead> <tbody> <tr> <td>28mm</td> <td>0.9mm</td> </tr> <tr> <td>22mm</td> <td>0.9mm</td> </tr> <tr> <td>15mm</td> <td>0.9mm</td> </tr> <tr> <td>10mm</td> <td>0.9mm</td> </tr> </tbody> </table>	O.D	Thickness of tube	28mm	0.9mm	22mm	0.9mm	15mm	0.9mm	10mm	0.9mm	All copper pipes & fittings used has made of phosphorous de-oxidized, non arsenical copper having ISI marked flow meter of specified sizes. <ul style="list-style-type: none"> <li>↓ The chemical composition of tubes confirm to BS6017: 1981 and manufactured as per BS-2871 or European standard of EN 1057.</li> <li>↓ Copper pipes are solid drawn seamless hard tempered &amp; degreased for medical use.</li> <li>↓ Copper to copper joints is made on site using a silver copper phosphorus brazing alloy. Copper to brass or gun metal joints shall not be made on site.</li> <li>↓ Pipe lines supported at the intervals specified in HTM 2022 using suitable metallic, non ferrous material. Plastic supports may be used only for the down drops to the terminal units.</li> <li>↓ Fitting has been end feed type and also BS864, degreased suitable for oxygen use and sealed in protective polythene bags.</li> <li>↓ ISO certified Manufacturer</li> </ul>
O.D	Thickness of tube											
28mm	0.9mm											
22mm	0.9mm											
15mm	0.9mm											
10mm	0.9mm											
03	Zonal Isolation valves with pressure gauges	<ul style="list-style-type: none"> <li>↓ Full bore valves for minimum pressure loss.</li> <li>↓ Non-lubricated with 90 degree turn ball valve with PTFE seals suitable for pipes.</li> <li>↓ Pressure gauges at specified place to monitor pressure drop.</li> <li>↓ Tested for double working pressure [120 PSI].</li> <li>↓ For Oxygen, Air &amp; Vacuum</li> <li>↓ For Emergency point for Oxygen</li> <li>↓ ISO certified Manufacturer.</li> </ul>										
04	Medical gas alarm system	<ul style="list-style-type: none"> <li>↓ Three gas alarm</li> <li>↓ Individual gas status LED indicator-showing NORMAL, HIGH and LOW conditions for each service.</li> <li>↓ Audio alarm Indicator by Piezo electric buzzer.</li> <li>↓ Alarm test / check / mute Facility also available and working pressure display through digital gauges.</li> <li>↓ Aesthetic design and Powder coated aluminum construction.</li> <li>↓ ISO certified Manufacturer.</li> </ul>										
05	Manifold	<ul style="list-style-type: none"> <li>↓ 4X 4 X 7M3 oxygen cylinder: Oxygen manifold is suitable to withstand a pressure of 145 kg / cm<sup>2</sup>.</li> <li>↓ Copper annealed tail pipes with brass end adopters suitable for oxygen cylinders and manifolds.</li> <li>↓ Semi-automatic control panel board with visual alarm.</li> </ul>										

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		<ul style="list-style-type: none"> <li>↓ Main pressure gauges can be easily visible for proper monitoring of cylinders as well as piped gas, pressure.</li> <li>↓ ISO certified manufacturer.</li> </ul>
06	Emergency Standby manifold for medical oxygen	<ul style="list-style-type: none"> <li>↓ Comply with relevant standards.</li> <li>↓ 1 X 1 x 7M3 oxygen cylinder manual manifold with good quality preset regulator.</li> <li>↓ Consists of less Maintenance.</li> <li>↓ ISO certified manufacturer.</li> </ul>
07	Vacuum System	<ul style="list-style-type: none"> <li>↓ Reputed brand dry type single stage two cylinder single acting reciprocating type splash lubricated air-cooled vacuum pump.</li> <li>↓ 3 HP motor with suitable starter, mounted on base frame, complete with wiring, switched, interconnecting pipes and isolation valve(s).</li> <li>↓ ASSC.</li> <li>↓ The vacuum pressures not exceed 26 in Hg with flow volume more than 55cfm.</li> <li>↓ Receiver capacity 300 liters with interconnecting pipes.</li> <li>↓ ISO certified manufacturer.</li> </ul>
08	Compressed Air System	<ul style="list-style-type: none"> <li>↓ Reputed brand Tank mounted Rotary screw Air Compressor (Air Cooled) with 02 nos. Line Filters giving oil free Air</li> <li>↓ Working Pressure- Min.: 5 Barg &amp; Max.: 10.5 Barg</li> <li>↓ Actual Delivery : 22 CFM</li> <li>↓ Motor Speed: 2900 RPM</li> <li>↓ Motor : 7.5 HP (Max)</li> <li>↓ ISO certified manufacturer.</li> </ul>
09	Necessary accessories	<ul style="list-style-type: none"> <li>↓ Good quality suction jars with vacuum regulators complete with overflow protection.</li> <li>↓ Brass body Flow meters with humidifiers.</li> <li>↓ Pressure line adapter pins etc to be supplied in adequate numbers.</li> <li>↓ ISO certified Manufacturer</li> </ul>
10	Fully Automatic Control Panel One for oxygen one for nitrous	<ul style="list-style-type: none"> <li>↓ The control panel is integrated with pressure gauges, regulators and control switching components which is installed inside a cabinet to minimize tampering with regulators.</li> <li>↓ The reverse bank is automatically adjusted once the running bank reached near exhaustion to minimize supervision and to offer stability and safety.</li> <li>↓ 3 stage audio &amp; visual warning in case of an emergency and has a pressure outlet of around 4.2kg/cm<sup>2</sup>.</li> <li>↓ Manufacturer should be ISO certified.</li> </ul>

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*06/10/22*