



**WEST BENGAL MEDICAL SERVICES CORPORATION LTD.**  
**(Wholly owned by the Government of West Bengal)**  
**Swasthya Sathi, GN-29, Sector-V, Salt Lake, Kolkata - 700 091**

**LIMITED TENDER INQUIRY**

***FOR***

***Design, Supply, Installation, Commissioning for oxygen pipeline connection job from  
PSA plant to manifold at Malbazar SSH.***

**Bid Reference No.: WBMSCL/NIT-253/2021**



**Dated – 27 .07 .2021**

**NOTICE INVITING LIMITED TENDER INQUIRY**

***Design, Supply, Installation, Commissioning for oxygen pipeline connection job from  
PSA plant to manifold at Malbazar SSH.***

**Issued by:  
West Bengal Medical Services Corporation Ltd.,  
(Wholly owned by the Government of West Bengal)  
CIN: U85110WB2008SGC126373**

**Regd. Off.: Swasthya Sathi, GN-29, Sector-V, Salt Lake, Kolkata-700 091**

 033-40340437,  033-4044 0400 Email ID [cme@wbmsc.gov.in](mailto:cme@wbmsc.gov.in)

**LTI Reference No.: WBMSCL/NIT-253/2021**

**Dated – 27.07.2021**

**1. Introduction: -**

a. The Health & Family Welfare Department (H&FWD), Government of West Bengal, has taken an initiative to make positive change in the health sector in West Bengal. Towards this goal, the Department intends to commission, operate and maintain Medical Gas Pipeline System (MGPS) in **Malbazar SSH** of the State of West Bengal, on an urgent basis for treatment of patients undergoing infection from COVID-19 virus. West Bengal Medical Services Corporation Ltd. (for short “WBMSCL” or the “Corporation”), having its office at Swasthya Sathi, GN - 29, Sector – V, Salt Lake, Kolkata- 700091, (for short “the Swasthya Sathi Building”) has been entrusted to select agencies to design, supply, install, commission, and it has been decided to invite bids from eligible and qualified bidders to be selected through a transparent and competitive bidding process.

b. The name of the hospital is given below :

Sl.	Name	District
1.	Malbazar SSH	Jalpaiguri

c. Intending bidders may download the Bidding Documents from the websites [www.wbmsc.gov.in](http://www.wbmsc.gov.in)

d. Important Information/ Date & Time Schedule:

Sl. No.	Particulars	Date & Time
1.	Publication of Bidding Documents	03/08/2021
2.	Bid submission start date (online)	03/08/2021 at 17:00 hrs.
3.	Bid submission closing (online)	06/08/2021 upto 17:00 hrs.
4.	Financial Bid opening	After bid submission closing
5.	Issue of Notification of Award	To be notified later

**All the estimate/ offer/ bid should be given in email ([cme@wbmsc.gov.in](mailto:cme@wbmsc.gov.in) /[gm@wbmsc.gov.in](mailto:gm@wbmsc.gov.in) /[md@wbmsc.gov.in](mailto:md@wbmsc.gov.in) / [info@wbmsc.gov.in](mailto:info@wbmsc.gov.in)) in company letter head in below mentioned format of financial estimate (Annexure 1).**

2. **Eligibility criteria for Bidder:**

All the existing WBMSCL approved MGPS agencies are eligible for this bid.

3. **SCHEDULE OF REQUIREMENTS (SoR)**

Supply, Installation, Testing and Commissioning of oxygen pipeline with isolation valve for oxygen pipeline connection job from PSA plant to oxygen manifold at Malbazar SSH.

**COPPER PIPE**

**Indigenous**

Solid drawn, seamless, de-oxidized, non-arsenical, half-hard, tempered and de-greased medical grade copper **pipes** conforming to BS EN 13348: 2008. All copper pipes should be de-greased & to be delivered capped at both ends. The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition. Copper pipes should have reputed third party inspection certificate from Lloyds' Register of Services.

The Pipe Sizes to be used as mentioned below:

Pipe OD (in mm)	Thickness (in mm)	Maximum interval between supports (Horizontal and Vertical) (in Meters)
12	0.7	1.5

15	0.9	1.5
22	0.9	2
28	0.9	2
42	1.2	2.5
54	1.2	2.5

**Copper fittings** has been made of copper and suitable for a steam working Pressure of 17 bars and especially made for brazed socket type connections. All copper fittings should comply with EN 1254-1:1998 and factory degreased. Each size of fittings should be individually packed for medical use.

### **Pipe preparation**

Pipe ends should be cut with the pipe axis, using sharp wheel cutters whenever possible, and be cleaned to get rid of any cuttings or burrs.

When brazing copper-to-copper joints:

- a. the brazed joints should be made using a silver copper- phosphorus brazing alloy and no flux should be used;
- b. brazing should be carried out using oxygen-free dry nitrogen as an internal inert gas shield to prevent the formation of oxides inside the surface of the pipes and fittings.
- c. ensure adequate protection of adjacent pipe runs and other services.

### **Capping**

Sections of pipeline should be capped as soon as they are completed so as to prevent the ingress of debris.

### **Pipe supports**

The pipeline should be adequately supported at sufficient intervals to prevent sagging or distortion. Supports for surface mounted pipe work should provide clearance to permit painting of the surface. Where it is essential for pipes to cross electric cables or conduit, they should be supported at intervals on either side of the crossing to prevent them from touching the cables or conduit. Supports should be of suitable material or suitably treated to minimize corrosion.

The spacing of supports shall be as per the latest HTM standard. Suitable sleeves shall be provided wherever pipes cross through walls / slabs. All pipe clamps shall be non-reactive to copper. Metallic pipe clamps must be separated from copper pipes by insulating materials.

#### **ISOLATION VALVES**

The isolation valves are Non Lubricated Ball type, suitable for oxygen service. All valves should be pneumatically tested for twice the working pressure and factory de-greased for medical gas service before supply.

<b>Equipment description</b>	<b>Approved makes</b>
Copper Fittings / Joints	IBP Connex/Mex flow Mehta Tubes or equivalent
Copper pipes	Lloyds' Certified Medical Grade Copper Pipes Manufacturer
Isolation Valve	RB-5940 or RB-6674 or equivalent

Note: Selected Bidder will have to arrange for demonstration of the components at the office of the Corporation, if felt necessary, for approval. All "equivalent" items must be used, subject to prior approval from the Corporation. Wherever necessary the approved make should have CE / ISO /BIS Certification.

#### **4. Completion Schedule:**

<b>Sl. No.</b>	<b>Name of Hospital</b>	<b>Timeline for completion from the date of issuance of Notification of Award/ Award of Contract</b>
1	Malbazar SSH	2 days

#### **5. Payment Schedule:**

Payment will be made after successful completion of oxygen pipeline connection job from PSA plant to manifold. As per the actual joint measurement the payment will be made.

**Sd/**  
**Managing Director, WBMSCL**  
**& Commissioner of H&FW Department**

**Annexure 1**

**Bid Reference No.: WBMSCL/NIT-253/2021**

**Dated – 27.07.2021**

**Financial estimate for the job:**

Name of the Agency:

<b>Hospital Name</b>	<b>Malbazar SSH</b>			
<b>Supply, Installation, Testing &amp; Commissioning</b>	<b>Qty</b>	<b>Units</b>	<b>Rate</b>	<b>Total</b>
<b>Distribution Copper Pipe</b>				
22 mm OD x 0.9 mm thick copper pipe	10	Mtrs		
28 mm OD x 0.9 mm thick copper pipe	10	Mtrs		
42 mm OD x 1.2 mm thick copper pipe	30	Mtrs		
Isolation Valve 28 mm	2	Nos		
Isolation Valve 42 mm	2	Nos		
Grand Total				