



**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**

**EXPRESSION OF INTEREST (EOI)**  
***FOR***  
***SUPPLY, INSTALLATION, TESTING & COMMISSIONING (SITC) OF MEDICAL***  
***OXYGEN TANKERS AT 10 HOSPITALS OF WEST BENGAL***

**Bid Reference No.: WBMSCL/EOI- 135/2021**

**Dated – 15.05.2021**

**NOTICE INVITING EXPRESSION OF INTEREST (EOI) FOR  
SUPPLY, INSTALLATION, TESTING & COMMISSIONING (SITC) OF  
MEDICAL OXYGEN TANKERS AT 10 HOSPITALS OF WEST BENGAL**

(Through Pre-qualification)  
(Submission of expression of Interest)

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)

Bid Reference No.: WBMSCL/EOI-135/2021

Dated - 15.05.2021

Dear Sir / Madam,

West Bengal Medical Services Corporation Limited (WBMSCL) intends for Supply, Installation, Testing & Commissioning (SITC) of Medical Oxygen tanks having desired storage capacity of 45 ton x 10 nos. of liquid oxygen at 10 Hospitals of West Bengal, as per specification enclosed. In this regard, WBMSCL invites eligible manufacturer/ their authorized distributor/ any other vendor/agency to submit 'Expressions of Interest' in participating in the subsequent tender exercise for the work of SITC of Medical Oxygen tanks having desired storage capacity of 45 ton x 1 nos. of liquid oxygen each at 10 Hospitals of West Bengal as per specification enclosed for treatment of COVID-19 patients in this pandemic.

**a) Background:-**

The objective of the EOI is immediate enhancement of the treatment facilities of West Bengal for COVID-19 critical patients by carrying out the SITC of Medical Oxygen tanks having desired storage capacity of 45 ton x 1 no. of liquid oxygen each at 10 Hospitals of West Bengal, as only COVID-19 positive patients are being looked after in the hospitals.

The hospitals where desired storage capacity of 45 ton x 1 no. of liquid oxygen tank are to be installed is as follows-

Sl. No.	Name of the Facility	District
1	MJN Medical College & Hospital	Coochbehar
2	Bankura Medical College & Hospital	Bankura
3	Medinipur Medical College & Hospital	Paschim Medinipur
4	Calcutta National Medical College & Hospital	Kolkata
5	Kolkata Medical College & Hospital	Kolkata
6	North Bengal Medical College & Hospital	Darjeeling
7	JNM Kalyani Medical College & Hospital	Nadia
8	NRS Medical College & Hospital	Kolkata

  
**ABHIRUP BOSE, W.B.C.S. (Executive)**  
General Manager, WBMSCL



9	Sambhu Nath Pandit Hospital	Kolkata
10	Arambagh SSH	Hooghly

General instructions and documents to be submitted by an interested company: - West Bengal Medical Services Corporation Limited (WBMSCL) anticipates issuing EOI for SITC of Medical Oxygen tanks having desired storage capacity of 45 ton x 1 nos. of liquid oxygen each at 10 Hospitals of West Bengal. The aim of this Expression of Interest is to identify potential bidders with capacity to supply the equipment specified in Annexure. Eligible suppliers are invited to participate in the subject bid.

Potential suppliers should forward their EOI along with attached documents by email to [md@wbmsc.gov.in](mailto:md@wbmsc.gov.in), or personally deliver to the following address: West Bengal Medical Services Corporation Ltd., Swasthya Sathi Building, Swasthya Bhawan, Salt lake, Sector - V, Kolkata, West Bengal, 700091.

Please indicate the subject field for all communications: (WBSMCL/EOI-135/2021 Dated 15/05/2021)

EOI reference number (WBSMCL/EOI-135/2021 Dated 15/05/2021) shall be received on or before 3 PM (i.e., 15:00 hrs) till 24/05/2021. If you need more information, please send your enquiry at [cme@wbmsc.gov.in](mailto:cme@wbmsc.gov.in).

Note: The Expression of Interest (EOI) allows expression of interest for said work as given in schedule.

The Expression of Interest shall include the following documents:

1. Completed EOI Form - as per annexure.
2. Proof of performance certificates regarding Liquid Medical Oxygen Tanks.
3. Technical specifications and proposed design drawings. Please also attach descriptive literature (manuals, user guides, drawings, etc.) for the devices.
4. Delivery schedule, which will be the essence of the work. Preference will be given to the applicant whose completion period is minimum.
5. Cost of proposed work.
6. Terms, Conditions and mode of payment.

This Expression of Interest does not entail any commitment of the part of WBSMCL and does not constitute a solicitation. West Bengal Medical Services Corporation Ltd. (WBMSCL) reserves the right to change or cancel this EOI without assigning any reasons, to accept or reject any or all expressions of interest without incurring any obligation to inform the affected applicant/s of the grounds. Any costs associated with the submission of the EOI, will have to be borne by the Applicant and any such associated costs will not be reimbursed by WBSMCL.

**WHO CAN SUBMIT EOI:**

- A. Applicant shall be manufacturer or their authorized distributor /dealer of Liquid Medical Oxygen Tanks.
- B. Manufacturer or authorized distributor/dealer should have satisfactorily executed the work of supply of 40 Ton capacity liquid oxygen/medical gases storage tank in Semi Govt./ Govt. & Public/private Sector Organizations during last seven (7) years ending last day of month previous to the one in which EOI is invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this document.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum;calculated from the date of completion to last date of receipt of applications for tenders.

- C. Documents to be submitted by applicants :-
1. Goods and Service Tax Registration Certificate in India or equivalents.
  2. The 'PAN' documents and photographs of the individuals, owners, firms, Private Limited Companies, Registered Co- operative Societies, Partners of Partnership firm and at least two directors, if number of directors are more than two in case of Private Ltd. Companies as the case may be. However PAN Documents will not be insisted in case of Public Limited Companies, Semi Government undertaking, Government undertaking.
  3. Technical offer, with proof of supply / performance certificate.
  4. Scanned copy of original Technical details of quoted equipment/s and all other allied equipment/accessories with technical specifications, shall be uploaded.

All the rates quoted by the tenderer should be inclusive of all taxes, i.e. G.S.T. and other state levies/ cess which are not subsumed under GST. The tenderer shall quote the rates inclusive of all taxes & duties clearly & understood that WBMSCL will not bear any additional liability towards payments of any Taxes & duties. (If Quoted in INR)



## ANNEXURE -1

(WBSMCL/EOI-135/2021 Dated 15/05/2021)

### PARTICULARS ABOUT THE APPLICANT (SPECIMEN COPY)

Date: \_\_\_\_\_

(Following information to be submitted along with tenders, as detailed herein below on the **letterhead** of the tenderer. Put a tick mark where applicable. Write "N.A." where not applicable. All fields are necessary.

1. Name & Address of the tenderer:
2. Address of service centre:
3. Names and addresses of all the partners:
4. E-mail address of the firm:
5. Name of the Power of attorney holder:
6. Name & address of the manufacturer:
  - a. Places of Manufacturer (In case of firms having more than one place, mention the nearest).
  - b. Registered Head Office with Postal Address and Telephone Number of manufacturer
  - c. Kolkata Office address with Telephone Number of manufacturer.
  - d. Address with Telephone Number of service centre in Kolkata.

The detailed address and telephone numbers / mobile numbers / Fax Number are as below.  
The list of qualified service Engineers and staff working in our service centre has adequate experience of maintaining quoted equipments is given below.

Sl. No.	Name, Address, Telephone, Mobile Number, Fax Number of service engineers and staffs	Qualification	Designation

7. Total annual turnover in the last Financial Year of tenderer:
8. Is the tenderer registered under the Indian Companies Act-1 of 1956 or any other Act, inforce?
  - a) If so, furnish photo state copy of Certificate of Registration.
  - b) In case of Limited Companies furnish a copy of the memorandum of Articles of Association.

- c) In case of Proprietorship / Partnership firms, name of proprietors / Directors with address.  
(Two in order of % of shares).
  - d) Ownership status of the Firm. (West Bengal/ Other state Govt. / Central Govt. / Joint Sector / Co-Operative / B.S.I. / Private / Foreign Company).
9. Whether tender is Indian/Foreign Manufacturer (State your category and upload document to this effect in 9A formats.)
  10. Name and post of the Officer / Address, Phone Number who should be contacted by this office in case of emergency.
  11. Location of other manufacturing works / factories owned by the firm (if any)
    - a) Name of equipment manufacturer (Make)-
    - b) Model quoted for the said tender-
    - c) Manufacturing place/Country of the equipment quoted for this tender-
    - d) Place of supply from where the machine/equipment is to be supplied to the Hospitals of West Bengal:
  12. Port of Shipment.
  13. Bank Details:-
    - a. Bank details of Manufacturer.
    - b. Bank details of tenderer as applicable.
  14. It is mandatory to **MENTION THE TIME** required for delivery of the liquid medical oxygen tanks.

I/We have carefully gone through the tender requirement/specifications, we are confident to fulfill the exact requirement asked for as a manufacturer along with the required documents to be provided along with the tender. I/We assure you for the same and accordingly I/we are participating in this tender process.

I/We have carefully gone through the tender documents and the term and conditions mentioned therein & are all acceptable & agreeable in entirety to me/us.

**Full Signature of the tenderer with Official Seal & Address**



Annexure-9A

(WBSMCL/EOI-135/2021 Dated 15/05/2021)

PRO-FORMA FOR MANUFACTURER'S LETTER

(If tender is submitted by Indian or foreign manufacturer)

To,

The Managing Director

West Bengal Medical Services Corporation Ltd.

GN-29, Salt lake, Sector - V,

Kolkata-700091

Sir,

I/ We, \_\_\_\_\_ who are an established and reputed manufacturer of (name of equipment) having factory/ factories at \_\_\_\_\_, hereby state that we have (name of equipment) manufacturing unit/units as per tender condition. We hereby agree to manufacture the (name of equipment) as per the tender specification.

Also I/we declare that our manufacturing unit has output of \_\_\_\_\_ units /year and during previous five years manufactured \_\_\_\_\_ units, year wise breakup is as follows.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

We also hereby extend our full warranty, Annual Maintenance Contract, Comprehensive Maintenance Contract as applicable for the goods and services offered for supply of medical equipment against this tender document.

Yours faithfully

(Signature with Date, Name, Designation and Stamp) of manufacturer i.e. M/s. \_\_\_\_\_

**Note:** This letter shall be on the letter-head of the manufacturing firm in same format and shall be signed by a person competent and having the power of attorney to legally bind the manufacturer.

**TECHNICAL SPECIFICATIONS**

**Scope of Work:**

The scope of this work will be as bellows:

- 1) Supply, Installation, Testing and commissioning of new 45 tone x 1 no. capacity liquid oxygen tank each at 10 hospitals of West Bengal.
- 2) Supply, Installation, Testing and commissioning of allied equipments such as vaporizes, skid, VIE panel etc.
- 3) Carrying out necessary civil work such as foundation, fencing, water connection etc. required for commissioning of liquid oxygen tank.
- 4) Carrying out necessary electrical works such as area lighting, earthing, connection to VIE panel etc. required for commissioning of liquid oxygen tank
- 5) Providing safety gears such as fire extinguishers, sand buckets, safety signage etc.
- 6) Obtaining all the necessary PESO approval and license for commissioning and uses as well as refilling of D-type cylinders and other cylinders from this tank.
- 7) Comprehensive Service and Maintenance Contract of the installed system which will cover spares, consumables, man power and tools and tackles, etc. for a period of 5 years.
- 8) Skilled staffs for day to day operation and visiting sites and trained labours are required as per requirement.
- 9) For Periodical maintenance and smooth operation it is required to change spare and parts as and when require.
- 10) Insurance must be covered up including third party insurance.

Over and above this, the tenderer shall also include all the associated minor works like electrical wiring, plumbing, masonry/carpentry works, required for successful completion of work. The contractor may include any other work not specifically stated above but which they think is necessary for efficient working of the system or not included in the bill of quantities. The quantities specified in the estimate are based on the proposed design.

**Visit to the Site:**

Contractor may visit the site and see themselves the quantum of work involved etc. and shall take care of all the necessary works needed for commissioning of the liquid medical oxygen tank and no subsequent claim will be entertained later on.



- 1) Supply, Installation, Testing & Commissioning of 45 tone x 2 nos. storage capacity Liquid medical oxygen tanks: The specifications are as per below:

<b>1. General</b>	
Type of product	Intermodal ISO containers
Medium	LOX
MAWP	8.3 Bar
Liquid capacity	46000 L
Filling ratio	90%/81%
Tare weight	12000 Kg (Tolerance 3%)
Load weight	22000 Kg
Maximum gross weight	34000 Kg.
Stacking	1,92,000 Kg.
<b>2. Inner Vessel</b>	
Material	Stainless steel
Design temperature	-196°C/50°C
MDMT	-196°C/
Baffles	Six transverse baffles
<b>3. Outer Jacket</b>	
Material	Q345R
Design temperature	-40°C to 50°C
MDMT	-40°C
Surface treatment	Shot blast to SA 2.5
<b>4. Insulation</b>	
Type of insulation	Vacuum with multi-layer super insulation
Material of insulation	The glass fiber and aluminum foil
Vacuum	≤0.08Pa (0.6mtorr) (Warm)
Net evaporation rate	≤0.15%/d (ambient conditions: 1 00kPa and 15 )
Holding time	90 days at 90% Filling ratio 120 days at 81 % Filling ratio (conditions: original media temperature: -162°C and pressure: 0 Pa)
<b>5. Piping/Valves</b>	
Piping material	316L stainless steel
Valve types	Ball valve, Globe valve, Relief valve, Needle valve (Details are in the attached valve list.)
Joint connection form	ASME B16.5 2"Class150
PBU	220 Nm <sup>3</sup> /h
Hose and hose box	Optional



<b>6. Instrumentation</b>	
DP gauge	6 inch dial (Range: 0-1.5m HO)
Pressure gauge	4inch dial (Range: 0-1.6MPa)
Vacuum gauge	Thermocouple probe
Thermometer	Optional
Pressure liquid level transmitter	Optional
<b>7. Frame</b>	
Size	4 0 ft / 45ft
Dimension	12,192X82,438X2,591mm (40X8X8.5ft) (LXWXH)
Material	SPA-H
<b>8. Cabinet</b>	
Material	316L
Position	Side
<b>9. External Corrosion Protection</b>	
Shot blast	Low alloy steel Shot blast to SA 2 and 1/2
Paint	Tank and frame: Primer+ Intermediate+ Finish (3 layers) Paint thickness and color to suit customer.

#### **GENERAL TERMS & CONDITIONS:**

1. All dismantled materials shall be kept in the premises of the hospital.
2. The damages if any caused to the hospital properties shall be recovered from the successful contractors at their risk & cost.
3. The works shall be carried out through out 24 hours.
4. WBMSCL/ Hospital authorities will not be responsible for any accident/ hazard caused to the person of the contractors while carrying out works.
5. The electric power & water supply required for carrying out works shall be made available by the hospital authorities, wherever available. However, the contractor shall arrange to tap the supply from the service available at site pointed out by the Site Engineer.
6. All the material to be used shall be new and from the fresh stock.
7. The successful contractor shall give the satisfactory testing of the liquid oxygen tank.
8. Any minor work not specified in the scope/BOQ/schedule, but required for satisfactory/successful commissioning of entire work, shall deem to consider in the scope of work.




**Important Conditions:**

1) **Delivery Period:** The quantities in BOQ are indicative and not exhaustive and may change as per requirement. Separate work order/s may be placed as per the requirement. After issue of work order, work shall be completed within Six weeks considering COVID-19 Pandemic.

2) **Payment Conditions :-**

Since the time period of the project is Six weeks along with 5 years of CSMC period after one year DLP, it is proposed to make payment in stage wise manner as mentioned below-

  
ABHIRUP BOSE, W.B.C.S. (Executive)  
General Manager, WBMSCL

Stages	Work	% of payment on cost quoted by successful bidder for procurement items
Stage 1	Supply of Medical Oxygen tanks having desired storage capacity of 45 ton x 10 nos.	100% Against B.L. (Letter of Bill of Levies)
Stage 2	Installation, Testing and Commissioning of Oxygen tanks having desired storage capacity of 45 ton x 1 nos.	100%
Stage 3	After completion of CSMC for each month after handing over for the period of 5 years.	Quarterly amount quoted.

As per procedure the payment of work done will be made within 30 days from the receipt of bill subject to verification as per normal rules. However 3% amount of entire contract value, towards security deposit will be deducted from the bill. The security deposit will be released after completion of defect liability period.

**3) Penalty Terms :-**

Penalty for delayed execution (beyond original contract period) shall be calculated at the rate of 1% percentage per week or part thereof of the contract value of part delayed subject to max. limit of 10% of contract value.

Before quoting the rates, bidders shall inspect the site, system installations. No extra claim whatsoever will be entertained later on during the contract period.





## SCHEDULE OF QUANTITIES/ RATES

(WBSMCL/EOI-135/2021 Dated 15/05/2021)

Start from 17.05.2021 & End Date & Time of Submission of Offer: 24.05.2021 (15:00 Hrs)

<u>Item No.</u>	<u>Description of the Items</u>	<u>Qty</u>	<u>Unit</u>	<u>Rate (INR)</u>	<u>Total cost (INR)</u>
1	Supply of Medical Oxygen tanks having desired storage capacity of 45 ton	10	Nos.		
2	Installation, Testing and Commissioning of Oxygen tanks having desired storage capacity of 45 ton	10	Nos.		
3	CSMC charges for one oxygen tank for 1st to 5th year i.e. for 5 years after one year DLP.	10	Nos.		
	Net Total = INR				
	Scope of Work	As per EOI technical specifications	Agreed (Yes/No)		
	Work Completion Period	Six Weeks	Agreed (Yes/No)		

Note:

- 1) It is mandatory to quote each and every item mentioned in above schedule.
- 2) The rates shall be inclusive of all the taxes, levies, duties, etc.
- 3) The quantities in BOQ are indicative and not exhaustive and may change as per requirement.
- 4) No deviations will be accepted for work completion period.

Tenderer's Name & Address

M/s \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Seal and Signature with Date,  
(Name, & designation and stamp)