

Bid Document

Bid Details	
Bid End Date/Time	18-02-2022 17:00:00
Bid Opening Date/Time	18-02-2022 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10140027-hppb Trichy
Total Quantity	425040
Item Category	Liquid Oxygen as per IS:309 (Q3)
Minimum Average Annual Turnover of the Bidder	20 Lakh (s)
Years of Past Experience required	2 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years Of Experience and Turnover	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	30 %
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Time allowed for Technical Clarifications during technical evaluation	2 Days
Payment Timelines	Payments shall be made to the Seller within 45 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Splitting Applied	Yes
Maximum No. Of Bidders Amongst Which Order May Be Split	2
Split Criteria based on which quantity will be distributed	60:40

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
4. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get

precedence over this clause.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

6. Bid Splitting: Bid quantity will be split amongst number of sellers as indicated above, as per bid splitting criteria given above. L1 would be awarded contract for quantity as indicated in the bid splitting clause above. For the rest of the bid quantity, the L-1 rates / lowest accepted rate will be counter offered to the other higher quoting bidder(s) for price matching. On acceptance of the counter offer, the order will be placed on next higher quoting bidder(s) for the respective quantity as per splitting criteria. In case of non-acceptance of the counter offer by some of the next higher quoting bidder(s), left over quantity would be allocated to next higher quoting bidders. In case counter offered rates are not accepted by any of the subsequent bidders, the left over quantity will be divided between bidders who have accepted the rates in the ratio of their originally allocated quantities subject to their confirmation and subject to quoted quantity limit and after getting consent on mutually agreed delivery schedule for the additional quantity.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

8. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Liquid Oxygen As Per IS:309 (425040 cubic meter)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Unregistered Brand
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Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
REQUIRMENTS	"Purity, percent by volume when tested by the method prescribed in Annex A of IS:309(latest), max"	99.5, 99.6
	Dew Point	"moisture content in oxygen shall be not more than 0.102 g/Nm3 corresponding to dew point of-40°C when tested by the method prescribed in Annexure of B-5 of IS:309(latest)"

Specification	Specification Name	Bid Requirement (Allowed Values)
	Volume fraction of carbonmonoxide	1.0e-6, 1.0E-6
	Volume fraction of carbondioxide	1.5e-6, 1.5E-6
	Volume fraction of hydrocarbons expressed as methane	2.5e-5, 2.5E-5

Additional Specification Parameters - Liquid Oxygen As Per IS:309 (425040 cubic meter)

Specification Parameter Name	Bid Requirement (Allowed Values)
Volume fraction of carbon monoxide	Volume fraction of carbon monoxide shall not be more than 2×10^{-6}
Volume fraction of carbon dioxide	carbon dioxide shall not be more than 3×10^{-6}
Volume fraction of hydrocarbons expressed as methane	Volume fraction of hydrocarbons expressed as methane shall not be more than 50×10^{-6}

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Dharitraj Singh Rawat	620014,HIGH PRESSURE BOILER PLANT, BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPPALLI - 620014. TAMILNADU. INDIA.	425040	180

Buyer Added Bid Specific Terms and Conditions

1. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address Mr.Dharit Raj Singh Rawat Manager (Stores/ MM) High Pressure Boiler Plant BHEL-TRICHY Tamilnadu.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar

proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. **Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

5. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

6. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

7. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 2 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

8. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

9. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

10. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

11. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

12. **Purchase Preference (Centre)**

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

13. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

14. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

15. **Past Project Experience**

For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:

- a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
- b. Execution certificate by client with order value.
- c. Any other document in support of order execution like Third Party Inspection release note, etc.

16. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

**LIQUID OXYGEN REQUIREMENT FOR LOX TANKS AVAILABLE
AT UNIT 1
AND UNIT 2/HPBP FOR A PERIOD OF ONE YEAR.**

SUPPLY OF LIQUID OXYGEN (LOX) CONFIRMING TO IS:309 (LATEST REVISION)IN SUPPLIER'S TANKER ALONG WITH PDS,MSDS AND TC CONFIRMING TO ITS SPECIFICATIONS FOR INDUSTRIAL APPLICATION.

Total Quantity-425040M³ (Splitting 60:40)

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I.PRE QUALIFICATION CRITERIA;

Only those vendors, who have experience/meeting the points specified in Sl.No.1 and 2 and submitting the

requested documents are eligible to participate in the tender and further evaluation. If not meeting the qualification criteria, the tender is liable for rejection:

SI No.	PQC Points	Bidder's Confirmation
1	Bidder must have at least 2 years' experience from the date of tender opening in the field of supply of liquid oxygen in cryogenic tankers. Bidders shall submit relevant documents for proof of experience like Purchase order copies not older than 01.01.2018.	
2	Offers from the liquid oxygen manufacturers alone will be accepted. Bidders shall submit relevant documents for proof of manufacturer.	
3	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	

II. TECHNICAL SPECIFICATION;

SL no.	Technical points	Bidder's Confirmation
1)	Supply of Liquid Oxygen(LOX) in supplier's cryogenic tanker to 13KL capacity Cryogenic Liquid Oxygen Vessels at BHEL Trichy.	
2)	Liquid Oxygen supply shall be confirming to IS:309 (2005/ Latest revision) with purity of minimum 99.5% by volume. The supplied oxygen is required for industrial application at BHEL Trichy.	
3)	Data Sheet and Certificate; Product data sheet, material safety data sheet shall be provided to BHEL along with the first supply of liquid oxygen and test certificate of oxygen gas confirming to specifications as per IS:309 and indicating purity from any accredited lab shall be provided to BHEL for each supply of liquid oxygen. ISI marking on the product is not applicable.	
4)	Transportation; Supplier's cryogenic tanker/Road tanker carrying liquid oxygen should be approved for the purpose and before entry in BHEL, it should be complete with all safety and other necessary fittings as per CCOE/PESO. The Supplier's cryogenic tanker/Road tanker shall be accompanied with Product data sheet, material safety data sheet, Transport Emergency Card, spark arrestor and meet other statutory norms. Supplier shall ensure compliance of the requirements as per Motor Vehicles Act.	

5)	<p>Unloading at BHEL Trichy;</p> <p>The filling joint of the Cryogenic Liquid Oxygen Vessels at BHEL Trichy is fitted with one-inch flange SORF, ANSI B16.5, Class 300 end connection. Supplier shall suitably arrange the required end connection with gaskets for mating to BHEL cryogenic vessel filling joint including arranging of the suitable flexible unloading hose for transfer of liquid oxygen. The transportation of liquid oxygen and its unloading in the Cryogenic Liquid Oxygen Vessels at BHEL Trichy shall be in supplier's scope.</p> <p>Trained driver/operator is to be arranged by the supplier along the road tanker and the operators who handle cryogenic liquid shall be equipped with the necessary Personal Protective Equipment(PPE).</p>	
6)	<p>Measurement criteria;</p> <p>The liquid oxygen delivered in Kgs. will be arrived from the weight difference between incoming tanker and outgoing tanker. The conversion factor from weight to volume is "1Kg of Liquid oxygen = 0.769 cubic meter of oxygen gas" at 27 Deg. C and at 1 atmosphere.</p>	
7)	<p>Delivery schedule;</p> <p>The supply of liquid oxygen shall be made in a staggered manner based on requirement given by BHEL through E-Mail.</p> <p>The vendor shall be in a position for supply of liquid oxygen to BHEL Trichy within 7 days of prior intimation given by BHEL to supplier through E-Mail.</p>	
8)	<p>Back up facility/Alternative arrangement;</p> <p>The vendor shall have sufficient back up facility/make alternative arrangement for ensuring supply of liquid oxygen as per BHEL schedule in case of breakdown of their plant/any other issues pertaining to supply of liquid oxygen.</p>	
9)	<p>Splitting of total tender quantity;</p> <p>Order will be split in the ratio of 60:40 basis of total tender quantity. The split will be 60% to L1 bidder and balance 40% will be awarded at matched L1 F.O.R rate in the order of commercial ranking except H1 bidder. In case of counter offering rate does not accepted by the L2, L3, L4 etc vendors, such counter offered quantity also will be ordered on L1 vendor.</p>	
	GST %	
	HSN Code	
	Name of official	

	E-mail ID	
	Phone number	

/ On Bidder's office letter pad /
Self-Declaration

Enquiry No. _	_____
Enquiry Date _	_____

In line with Government public procurement order Number P-45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018 & order 04.06.2020 issued by DPIIT

I / We hereby declare that I / We are a "Local Supplier" meeting the requirement of minimum local content (.....%) defined in the above government notification for the goods against above mentioned enquiry Number.

Details of location at which local value addition will be made is as follows:

Door No.	_
Street / Address 1	_
Street / Address 2	_
District	_

State	-
Country	-
PIN Code	-

We also understand that the false declarations will be considered as breach of Integrity and liable for action.

For Company Name:

Seal:

Signature:

Date:

Place:

(Please fill all the yellow color field)

17. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action

in accordance with the laws.

---Thank You---