



PRE-QUALIFICATION REQUIREMENT

PR no: 1200031448 REV00 Dt:01.06.2021

Oxygen Analyser For PVSA Oxygen system

S.No.	BHEL Requirement	Vendor's Confirmation	Deviation if Any	Remarks
1	All the suppliers need to submit this document i.e. titled pre-qualification requirement and furnish required information along with offer.			
2	<p>a) Name, address, e-mail id, contact no.etc. of manufacturer:</p> <p>b) Name, address, e-mail id, contact no. etc. of authorised agency / trading house quoting on behalf of manufacturing company. In case offer is received from authorised agency / trading house, the following requirements shall be full filled. i) Valid letter of authorisation and copy of agreement to be enclosed with offer. ii) The offer shall be either from the authorised agency or from the manufacturer directly. In case of BHEL receiving offer from both, then offer from manufacturer will only be considered. Offer from an unauthorised agency / entity on behalf of any vendor shall be summarily rejected. iii) Name, address, e-mail id, contact no.etc. of entity on whom order to be released in case of L1 shall be clearly indicated.</p>			
3	<p>Scope of Supply:</p> <p>Oxygen Analyser with 0-100% purity with end connection 1/4"</p> <p>Along with O2 analyser 1 No. sensor shall be supplied.</p>			
4	<p>Supplier to confirm/provide the following criteria/documents for evaluation of offer.</p> <p>(a) Vendor should have supplied and installed atleast 5 numbers of Oxygen Analyser. Particulars of experience / credentials of the orders which are executed of similar nature not older than 3 years (PO copies, Quality plans, test reports of the orders to be enclosed).</p> <p>(b) Vendor should confirm complete compliance to BHEL specification SG 80006. If any deviation with respect to specification, vendor has to provide the deviation list for review.</p> <p>(c) The offers of the bidders who are on the banned list and also the offer of the bidders, who engage the services of the banned firm shall be rejected. The list of banned firms is available on BHEL website "www.bhel.com".</p> <p>(d) All the documents shall be furnished only in English. Documents furnished in other languages will not be considered for further evaluation. Vendor shall furnish the documents mentioned in spec SG80006.</p>			
5	Offers without the requirement as above 4(a),4(b),4(c),4(d) will not be technically evaluated by BHEL. Further, no correspondence in this matter will be entertained.			
6	BHEL team may carry out vendor evaluation/assessment (in case of a new vendor) by a visit to vendor works for qualifying /rejecting the technical bid based on the findings of the visit.			
7	<p>Vendors to submit their bid in 2 - part system i.e.</p> <p>Part-I shall consist of Pre-Qualification Criteria along with the required documents and Techno-Commercial Bid.</p> <p>Part-II shall consist of Price Bid. Offers failing to meet prequalification part will not be considered for further evaluation.</p>			

TD-106-1 Rev No. 5 Form No.		PRODUCT STANDARD SWITCHGEAR HYDERABAD		Product STD NO.	SG 80006																												
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<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company. </p> </div> <div style="width: 85%; text-align: center;"> <p> <u>OXYGEN ANALYSER (0-100 % Purity)</u> <u>Material code: SG9780006001</u> </p> <p>1. Introduction</p> <p>Online Oxygen Analyser designed for accurate and reliable measurement of Oxygen in Air, Nitrogen, Argon, Hydrogen etc. These are based on state of art Galvanic Oxygen Sensors, and provide fast response. They require no periodic maintenance like replacing electrodes or electrolyte and can be calibrated using ambient air or standard calibration samples. A digital LED display provides direct percentage output readout. The power Source is a 230Volt ac., online for continuous Oxygen Monitoring with 4 to 20mA and alarm output are available Monitor for general applications</p> <p>2. Description:</p> <p>Online oxygen Purity Meter % Level for 500LPM Oxygen generator.</p> <p>3. Application: For Oxygen generation unit.</p> <p>4. Scope of Supply:</p> <ul style="list-style-type: none"> Oxygen Analyser with 0-100% purity with following specification. <table border="0" style="width: 100%;"> <tr> <td style="width: 40%;">O2 Sensor Range:</td> <td>0 - 100% (With Resolution 0.1 %)</td> </tr> <tr> <td>Measuring Principle:</td> <td>Electrochemical.</td> </tr> <tr> <td>Accuracy:</td> <td>+ / - 1 % (Full Scale).</td> </tr> <tr> <td>Response Time:</td> <td>T 90 < 15 sec with 100% O2</td> </tr> <tr> <td>Operating Temperature range:</td> <td>- 20 to +50 °C</td> </tr> <tr> <td>Temperature Compensation:</td> <td>± 2% variation 0- 40 °C</td> </tr> <tr> <td>Humidity:</td> <td>95 % non-condensing</td> </tr> <tr> <td>Long term drift:</td> <td>< 5% over 1 year 100% O</td> </tr> <tr> <td>Display:</td> <td>3 ½ digit L.E.D.</td> </tr> <tr> <td>Power Supply:</td> <td>230 Volt AC</td> </tr> <tr> <td>Inlet Outlet Fitting:</td> <td>1/8 or 1/4 "Compression.</td> </tr> <tr> <td>Sensor life:</td> <td>1 Year Estimate</td> </tr> <tr> <td>Output:</td> <td>4 to 20 mA. & Adjustable single Alarm</td> </tr> <tr> <td>Cabinet:</td> <td>DIN panel mount box with separate sensor unit.</td> </tr> </table> <ul style="list-style-type: none"> Along with O2 analyser 1 No. sensor shall be supplied. </div> </div>						O2 Sensor Range:	0 - 100% (With Resolution 0.1 %)	Measuring Principle:	Electrochemical.	Accuracy:	+ / - 1 % (Full Scale).	Response Time:	T 90 < 15 sec with 100% O2	Operating Temperature range:	- 20 to +50 °C	Temperature Compensation:	± 2% variation 0- 40 °C	Humidity:	95 % non-condensing	Long term drift:	< 5% over 1 year 100% O	Display:	3 ½ digit L.E.D.	Power Supply:	230 Volt AC	Inlet Outlet Fitting:	1/8 or 1/4 "Compression.	Sensor life:	1 Year Estimate	Output:	4 to 20 mA. & Adjustable single Alarm	Cabinet:	DIN panel mount box with separate sensor unit.
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<div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); padding: 5px; font-size: small;"> COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company. </div> <div style="flex-grow: 1; padding: 10px;"> <p>5. Quality assurance Inspection and Testing Requirement:</p> <ul style="list-style-type: none"> i) QP to be furnished by manufacturer as per their standard practices (Optional). ii) Test report / certificates to be furnished by the manufacturer. iii) COC to be furnished by the manufacturer (for catalogue items) <p>6. Painting, Conservation and Packing:</p> <p>Cleaning, painting conservations and packing shall be as per manufacturer standard practices.</p> <p>7. Warranty:</p> <p>The equipment is provided with warranty against faulty / defective material / workmanship/ manufacturing defects for 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier.</p> <p>8. Documents Required:</p> <p>Following documents and drawings shall be furnished by manufacturer:</p> <ul style="list-style-type: none"> • Make and Model and Schematic Arrangement drawing • GA drawings including weight and dimensions. • Technical Datasheet • Bill of Materials • O&M manual containing QAP, datasheet, test certificates, catalogue, List of spares, etc. </div> </div>					
Refer to record of revisions:		Prepared: K. SANGEETHA	Approved: RAVI J	Date: 05.05.2021	

ANNEX-1: SPECIAL TERMS AND CONDITIONS

Collective no.: G6A1U31448

This is a mandatory document to be filled and attached to your technical bid for evaluation
(Otherwise your bid will be disqualified)

Sl. No.	Terms & Conditions	Supplier confirmation (YES/NO)	Deviations (if any mention clearly)
1.	<p>Procurement of the subject package shall be done through eprocurement. Offers should be uploaded in two parts online at https://eprocurebhel.co.in/ as follows:</p> <p>a) Part-I Bid: - Documents and Credential as per PQR and TechnoCommercial offer along with II, III & IV.</p> <p>b) Part II Bid: - only Price Bid and should not contain any technical and commercial terms.</p> <p>Terms and conditions: -</p> <ul style="list-style-type: none">• a) Part I bid will be opened on date & time mentioned in the NIT or subsequent corrigenda/amendments, if any.• b) Price bid of only those bidders shall be opened who will meet the pre-qualifying requirement of the tender.• All the above Tender Documents shall automatically become a part of the Order/Contract after its finalization.• Revised price bids will not be accepted after opening of technical bids.• All the bids shall be submitted in original, duly signed by the authorized signatory• It is the sole responsibility of the vendor to understand both technical and commercial requirements of the tender before submission of two-part bid within the due date. All the clarifications (if any) regarding technical and commercial terms shall be done before submission of offer. Any deviations to the clauses on account of interpretations & assumptions shall not be allowed.• Revised price / Impact price will be allowed only in the event of change in technical / commercial conditions by BHEL. (Refer clause 4.B.iv of ITB-10).		

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2.	Terms of Delivery: Delivery terms shall be F.O.R. BHEL, Hyderabad stores basis. All the bidders to note that delivery schedule shall be three weeks from date of purchase order. Bidders are requested to comply with above said delivery schedule. BHEL reserves the right to reject the bidder's offer in case of not accepting the above delivery schedule.		
3.	Bidder to also note that Reverse auction shall not be conducted for the tender. Bidder to quote their best and competitive price.		
4.	Submission of Drawings & Technical Data sheets other documents: Major activity timelines shall be as follows: a. PO acknowledgement by vendor : within 2 days from LOI/PO date b. Submission of drg/data sheet: within 3 days from LOI/PO date c. Comments/Approval of drg/data sheet by BHEL: within 2 days from date of first submission and subsequent submission d. subsequent submission of drg/data sheet by vendor and approval/comments by BHEL: Within 2 days e. Raising of Inspection Call by vendor: 5 days in advance from scheduled inspection date. Vendor to ensure that documents submitted by them are in compliance with BHEL specifications/drawings. Then only vendor documents are deemed to be submitted. Any request for delivery extension on account of delay in documents submission shall not be entertained.		
5.	Scope of Supply: Oxygen Analysers are required to be supplied as per specification no. SG80006.		
6	Tie of Prices: In case of Tie of Prices, only the vendors, against whose offers there is a “tie”, will be requested to submit revised “best prices” & “delivery period” for the item, within a stipulated time frame. Further extensions may not be permissible. In case of non-submission of revised bid, the tender shall be evaluated based on the Original offer submitted by vendors. The tender will be decided based on L1 prices & in case the”		

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	Tie of prices” continues even after revised bid submission ,then the tender priority will be decided based on better “delivery period”		
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All other terms and conditions shall be as per ITB-Rev-10. Special terms and conditions will prevail over all other documents in case of any discrepancies.

NOTE TO VENDORS:

- a) Vendors to indicate their response to each of the above clauses either by ‘YES’ or ‘NO’ in the Supplier confirmation column. In case they don’t reply Yes/No and leave blank, then it will be considered that they have no deviation.
- b) Vendors , if taking deviations from the specified conditions , may indicate the same clearly in deviation column and if needed on a separate sheet, with reasons for such deviation and in such a case BHEL reserves the right to reject the offer summarily or load the vendor suitably – solely at its discretion and in its interests.

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BOQ_30501.xls [Compatibility Mode] - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do... Sign in Share

Clipboard Font Alignment Number Styles Cells Editing

Validate Print Help **Item Rate BoQ**

Tender Inviting Authority: < SWITCHGEAR, HPEP, BHARAT HEAVY ELECTRICALS LIMITED >

Name of Work: <BOQ CUM PRICE SCHEDULE OF ZIRCONIA POWDER >

Contract No: RFQ REF_G6A1T30501

Name of the Bidder/ Bidding Firm / Company :

(This BOQ template must not be modified/replaced by the bidder and the same sh

er is liable to be rejected for this tender. Bidders are allowed to enter the

NUMBER #	TEXT #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quant	INR / Other Currency	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes
1	YETRIA STABILISED ZIRCONIA POWDER	SG1235758044	kg	INR	0.000	0.000
Total in Figures					0.000	0.000
Quoted Rate in Words				INR Zero Only		

Microsoft Excel

Please Enter Valid Data for Quantity Columns for S.No 1

OK

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

BoQ1 Sheet1

Ready

8:54 AM

Signature of the supplier with seal.

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