



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY	Phone: +91 431 257 7421 Email : vkaruna@bhel.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2601900011	02.04.2019	26.04.2019

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Item	Description	Quantity	(Indigenous Vendors) Matl. will be Delivered to
10	Compressor Components as per the technical specification & commercial conditions applicable (to be downloaded from web site (http://www.bhel.com) http://www.bhel.com/tender/tender_home.php or https://eprocure.gov.in/epublish/app)	1 Package	FOR, BHEL Stores, High Pressure Boiler Plant, Tiruchirappalli - 620014

Important points to be taken care during submission of offer

1. Vendor should quote as a package only.
2. Material shall be delivered to: Indigenous Vendors: As stated above.
3. Delivery required 1 Month including PDI from the date of purchase order.
4. Erection & Commissioning period required 5 Week from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
5. EMD for this Tender will be (not less than): INR 40,000/-
6. Compliance Form Nos.: TRY/IND/07 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
7. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM / CE / GENL / 001 - EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site (<http://www.bhel.com>) http://www.bhel.com/tender/tender_home.php or from the Government tender website <https://eprocure.gov.in/epublish/app> under above Enquiry reference.

(This is not an E-tender, please submit your offer in hard copies)
Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS
LIMITED

DGM / Capital Equipment / MM

V. KARUNA
Dy. General Manager
Capital Equipment / MM
BHEL / Tiruchirappalli - 620 014

PART – A**SECTION – 1: Qualifying Criteria**

The BIDDER has to compulsorily meet the Qualifying Criteria indicated in **Section 1** to get qualified. Otherwise the technical offer will not be considered.

S. No.	REQUIREMENTS	VENDOR'S RESPONSE
1.1	The BIDDER / VENDOR (OEM) shall have a minimum FIVE Years of Continuous Experience in Design, Manufacture & Supply of “Air Dryers and Compressors”. Vendor shall indicate the actual number of years of experience in the field.	
1.2	Only those vendors (OEMs) should quote, who have commissioned in the last 03 years (as on the original date of tender opening) at least three numbers each of Air Dryer and Retrofitting VFD Panel in India and the referred equipment is presently working satisfactorily for more than one year from the date of commissioning (as on the original date of tender opening). The name and contact addresses of the customers to whom the equipment were supplied to be furnished with details.	
1.3	Vendor has to submit at least ONE PERFORMANCE CERTIFICATE for satisfactory performance of both Air Dryer and Retrofitting VFD Panel (it can be from different customers) as referred under clause 1.2 above, for a minimum period of one year from the date of commissioning (as on the original date of tender opening) from their customers in India, supplied and commissioned in the last 03 years. Performance certificate as Original Certificate or E-mail directly from the customer may be submitted. The original certificate may be returned after verification by BHEL, if required. For obtaining the Performance certificate, a suggestive format is provided at the end of Part A.	
1.4	BHEL reserves the right to verify the information provided by the Vendor for the referred Diesel Generator set at their referred customer's works. It shall be the responsibility of the vendor to facilitate the visit of BHEL's team at their referred customer works. The Travel, Board and Lodging expenses for BHEL Personnel shall be borne by BHEL. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected. BHEL reserves the right to accept or reject the OEMs based on the assessment of their technical and financial capability.	

SECTION - 2:

The BIDDER / VENDOR are requested to provide the following information:-

S. No.	REQUIREMENTS	VENDOR'S RESPONSE
2.1	The BIDDER / VENDOR to furnish Reference List of Customers, with complete address, details of contact person, where Air Dryer and Retrofitting VFD Panel has been supplied in the past.	
2.2	Specify details of Air Dryer and Retrofitting VFD Panel set supplied to other units of BHEL, if any (Year of commissioning with details etc.	
2.3	Details on SERVICE-AFTER-SALES Set-up in India including the Address of Agents / Service Centres in India.	
2.4	Any Additional data to supplement the manufacturing capability of the BIDDER for the subject equipment.	

SECTION – 3:

The BIDDER to note:

S. No.	REQUIREMENTS	VENDOR'S RESPONSE
3.1	The BIDDER / VENDOR shall submit the offer in TWO parts. 1. Technical Offer [with PART A & PART B] 2. Commercial Offer and Price bid.	
3.2	The Technical Offer shall contain complete details against all clauses of Technical Specifications given by BHEL.	
3.3	The Technical Offer shall be supported by copies of product Catalogues, Data Sheets and technical details of Bought- Out-Items.	
3.4	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	

Suggestive Format of Performance Certificate:

The Performance should be certified by the customer on **Customer's Letter Head** and submitted along with the offer. You can provide separate sheets for Air Dryer and Retrofitting VFD Panel.

PERFORMANCE CERTIFICATE

1.0	Air Dryer and Retrofitting VFD Panel supplied by : (Manufacturer's name)	
2.0	Make & Model number of the Air Dryer and Retrofitting VFD Panel	
3.0	Month & Year of Commissioning	
4.0	Make of Air Dryer/VFD Panel	
5.0	Make of Air Dryer and Retrofitting VFD Panel	
6.0	Performance of the Diesel Generator set (Please tick the appropriate option)	Satisfactory
		Not Satisfactory
7.0	Service after sales (Please tick the appropriate option)	Satisfactory
		Not Satisfactory
8.0	Other remarks (if any)	
Date:		Signature & Seal of the Authority Issuing the Performance Certificate

PART-B

TECHNICAL SPECIFICATION OF AUSC COMPRESSOR AIR LINE REQUIREMENT FOR WRI

S. No.	BHEL Specification - Requirement	Vendor Confirmation	Deviations, if any
1	SCOPE OF SUPPLY: - Screw Compressor VFD with retrofitting panel for ELGI (E18 7.5 model) - 01 No. - Supply, Erection, Installation and Commissioning of Refrigerated Air Dryer having an operating capacity of 150 cfm and 12.5 bar. – 01 Nos. - Air Pre filter compatible with (b) for operation between compressor and air dryer line – 03 Nos. - Air fine filter compatible with (b) for operation between dryer and delivery line – 05 Nos. - Changeover Panel for operating VFD as per (a) between two ELGI (E18 7.5 model) compressors – 01 No.		
2	SPECIFICATIONS: - Screw Compressor VFD with retrofitting panel for ELGI (E18 7.5 model) - 01 No. <u>IMPORTANT: The supplied model should be compatible with the existing ELGI E18 7.5 model compressor available at WRI. Otherwise the offer will be summarily rejected.</u> It should match compressor output to air demand by varying motor speed. It should operate on a load unload band of 2 psi around the working pressure with minimum starting current. The starting current should also be less than the full load current. Supply, Erection, Installation and Commissioning of Refrigerated Air Dryer having an operating capacity of 150 cfm and 12.5 bar. – 01 Nos. The refrigerator air dryer should only use ozone friendly R134A gas as the refrigerant. It should allow operating capacity of 150 cfm flow and 4.25 m³/min with maximum pressure of 16 bar. It should operate on three phase 415 V, 50 Hz with air cooled option. The end connector of the air dryer should be 1" NB FLG. The dryer rated condition is to be for a working pressure of minimum 7 bar, inlet temperature around 45°C, ambient temperature 35°C and pressure dew point +3°C to +7°C. The design should ensure safety with minimum pressure drop and maximum thermal efficiency. It should have a moisture separator with an automatic drain. Moisture from compressed air is to be removed by at least 99%. The energy loss due to pressure drop should be NIL. The design should confirm to ISO 8573 standards of performance.		

	c. Air Pre filter compatible with (b) for operation between compressor and air dryer line – 03 Nos. d. Air fine filter compatible with (b) for operation between dryer and delivery line – 05 No. e. Changeover Panel for operating VFD as per (a) between two ELGI (E18 7.5 model) compressors – 01 No.		
3	General Terms and Conditions: a) BHEL will carry out the civil work for foundation if any. Vendor shall provide details of the foundation/civil work/other relevant details for this purpose immediately after placement of purchase order. b) Power/Air requirements will be made available at one point near the commissioning location for usage. Ratings of requirement to be clearly specified upon placement of order. Vendor can visit the site for clarification and assess the exact requirements. c) Supplier shall be responsible for carrying out erection, start up, testing and commissioning of the DG set. Required technical personnel and labor required for the same shall be arranged by the vendor. Tools required for the erection and commissioning shall be arranged by the vendor. d) All charges for Erection and Commissioning shall be furnished separately as part of the price bid. Scheduling of the Erection is to be intimated well in advance and approved by WRI/BHEL for execution. e) Installation and Commissioning will be at WRI under Supplier's Engineer supervision. f) Manuals and Documentation including test/calibration certificates to be provided in two hard copies and one soft copy. g) Guarantee for 12 months from the date of commissioning or 18 months from the date of delivery whichever is earlier.		