



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 76 53 Fax : +91 431 252 00 31 Email : skaruna@bheltry.co.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID Tender to be submitted in two parts.	Enquiry Number: 2621400024	Enquiry Date: 28.04.2014	Due date for submission of quotation: 02.06.2014
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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
10	Mancooler Tubular Type	05 No.
20	Mancooler Bracket Type	15 Nos.
30	Mancooler Pedestal Type	05 Nos.

as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site www.bhel.com or <http://tenders.gov.in>)

Important points to be taken care during submission of offer

1. The Compliance Form for Commercial Terms & Conditions to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the 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) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2621400024".

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


Engineer / MM Capital Equipment

REFERENCE LIST/ QUALIFYING CONDITIONS

DESCRIPTION	BIDDER COMMENTS
1. The supplier should have 10 years experience in supply of mancoolers of 600mm or higher to industries.	
2. Bidder should furnish reference list of customers, with full contact details to whom similar systems have been supplied in the past. The vendor should also submit following details which are necessary for qualifying their offer. a) Name and postal address of the customer or company where similar item supplied. b) Name, designation, contact phone numbers and email address of the contact person of the customer. c) Month and year of Supply. d) 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. e) Documentary evidence of Previous Purchase orders. f) Performance certificates	
3. Authorization certificate from the Principal Supplier should be submitted in case a Dealers/ Agents.	

Scope of Supply for Bracket / Tubular / Pedestal Type Mancooler		
SI.No.	Description for BHEL Requirement	Specified / To be confirmed by
	General purpose Bracket type (Column mount) / Tubular Type/ Pedestal Type 600 mm sweep mancooler meant for industrial application and suitable for operation on 3phase, 415V, 50Hz a.c.supply	
1.0	Mancooler Construction	
1.1	Tubular Type Mancooler Construction	Fan mounted on a tubular, mild steel support cradle.Casing to be of mild steel, with inlet and outlet coned to improve airflow.Motor mounted on a platform inside the casing.Swivel in the vertical plane with locking arrangement.Whole unit to be robustly built to stand firmly and withstand rough handling.
1.2	Bracket (Column Mount) Type Mancooler Construction	Fan with a steel tubular mount and mounting plate suitable for installation on column. Motor mounted on a platform. Swivel facility in horizontal plane with self locking arrangement.
1.3	Pedestal Type Mancooler Construction	Fan with a tubular pedestal mounting type. The tubular pipe dia min 80mm, base plate dia min 600mm shall be robust to to ensure Fan stability. The height shall be approx. 1100mm. Motor mounted on a platform.
2.0	Impeller	600 mm sweep aerofoil axial impeller of die cast aluminum alloy for high efficiency and long throw. Blades to be dynamically and statically balanced. Impeller to be directly coupled to the motor.
2.1	Number of blades in the impeller	5
2.2	Safety Guard	Air inlet and outlet to be provided with safety guards.
3.0	Motor Specification	Foot mounted, squirrel cage, 4 Pole, heavy duty, TEFC, 'F' Class, continuously Rated induction motor suitable for 415, 3-phase, 50Hz a.c. supply.
3.1	Motor Power	Not less than 0.75 HP. Bidder to specify
3.2	Make of motor	Bidder to specify. (Only reputed makes)
4.0	Make of the Mancooler	Bidder to specify. (Only reputed makes)
5.2	Noise level at 1m distance in dbA	less than 85dB
6.0	Dimensions	As per approved drawing
6.1	Robust metal Guard	suitable closed mesh guard should be provided in two pieces with positive locking system vendor should confirm the same.

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by
6.2	Blade Clearances	adequate protection against personal injury having clearance of minimum 30 mm between the guard periphery and the tips of blades should be made Bidder should confirm the same.
6.1	Conformance to IS standard	Mancoolers - IS 6272 : 1987
7.0	Delivery	Two months from the date of Purchase order.
7.0	Scope of supply	Quantity
7.1	Bracket (Column mount) Type Man cooler with motor as specified above	15
7.2	Pedestal Type Man cooler with motor as specified above	5
7.3	Tubular Type Man cooler with motor as specified above	5