



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

ENQUIRY

Phone: +91 431 257 70 49

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Web : www.bhel.com

**Enquiry
Number:**
2621000080

**Enquiry
Date:**
06.08.2010

**Due date for submission
of quotation:**
06.09.2010

You are requested to quote the Enquiry number date and due date in all your correspondences. 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.

Sl. No	Description	Quantity in Nos.	Delivery (Item required at BHEL on)
1	610 mm Sweep 3Ph Column Mounting Man Cooler Fans 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)	250	30.11.2010
2	610 mm Sweep 3 Ph Pedestal Man Cooler Fans 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)	50	30.11.2010
3	610 mm Sweep 3 Ph Tubular Man Cooler Fans 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)	50	30.11.2010
4	1200 mm Sweep Ceiling Fan 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)	350	30.11.2010



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MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

Sl. No	Description	Quantity in Nos.	Delivery (Item required at BHEL on)
5	380 mm Sweep Heavy Duty Exhaust Fans/ Single Phase 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)	25	30.11.2010
6	600 mm Sweep Heavy Duty Pedestal Fans/ Single phase 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)	25	30.11.2010

Important Points to be taken care during submission of offer

1. Checklist 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 tender will be posted only on the above websites from time to time, as and when required, until tender is opened. There will be no publication of such updates, amendments, corrigenda etc. Through newspapers or any other media.

BHEL commercial terms & conditions with Price Bid and Bank Guarantee formats 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 “2621000080”.

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

Sr. Manager / MM / Capital Equipment

Qualifying Condition

1. The dealer / distributor should enclose the original on date authorization letter given by the manufacturer for the items being sold by them.
2. Guarantee certificate by the original equipment manufacturer should be enclosed by the dealer / distributor.
3. Or if dealer / distributor giving guarantee for the electrical items, a performance bank guarantee should be given for the 10 percent of total product value .
4. The seller/distributor should be active in the market for selling the concerned products at least 3 years should quote.

Specification for Bracket / Tubular / Pedestal Type Mancooler				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	General purpose Bracket type (Column mount) / Tubular Type/ Pedestal Type 610 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 tubular mount and mounting plate suitable for installation on column. Motor mounted on a platform. Swivel facility with locking arrangement.		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
1.3	Pedestal Type Mancooler Construction	Fan with a tubular pedestal mount with adjustable height. The base shall be robust to ensure stability. The height shall be approx. 1.75 m. Motor mounted on a platform.		
2.0	Impeller	610 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	Vendor to specify		
2.2	Safety Guard	Air inlet and outlet to be provided with safety guards.		
3.0	Motor Specification	Foot mounted, squirrel cage, 4 Pole, induction motor suitable for 415, 3-phase, 50Hz a.c. supply.		
3.1	Motor Power	Not less than 0.75 H.P. Vendor to specify actual power.		
3.2	Make and Frame size of motor	Reputed make. Vendor to specify make and frame size.		
4.0	Make of the Mancooler	Reputed make. Vendor to specify the make.		
5.0	Air Flow	Vendor to specify		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
5.1	Air velocity at outlet	Vendor to specify		
5.2	Noise level at 1m distance in dbA	Vendor to specify		
6.0	Dimensions	Technical and Dimensional details with catalogue to be enclosed.		
6.1	Conformance to IS standard	Vendor to specify		
7.0	Scope of supply	Quantity		
7.1	Bracket (Column mount) Type Man cooler with motor as specified above	250 nos.		
7.2	Pedestal Type Man cooler with motor as specified above	50nos.		
7.3	Tubular Type Man cooler with motor as specified above	50 nos.		

Specification for 600 mm sweep Single Phase Air Circulator.				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	General purpose Pedestal Type, 600 mm sweep, Air Circulator for industrial application and suitable for operation on 1-phase, 230 V, 50Hz a.c.supply			
1.0	Pedastel fan Construction			
1.1	Pedestal Type air circulator Construction	Heavy duty Oscillation, Bracket type air circulator, 600mm sweep with impeller, consisting of three blades, Epoxy powder coated, 90 degree oscillation, sturdy braze wire guards, Robust base for stability, with control gear / with inbuilt regulator, conforming to IS2997 - 1964		
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	Three blades. Vendor to specify		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
2.2	Safety Guard	Air inlet and outlet to be provided with safety guards.		
3.0	Motor Specification	Foot mounted, induction motor suitable for 230 V, 1-phase, 50Hz a.c. supply.		
3.1	Motor Power	Not less than 180 W. Vendor to specify actual power.		
3.2	Make and model of the Air Circulator	Reputed make. Vendor to specify make and frame size.		
4.0	Make of the Air Circulator	EPC, ALMONARD, ORIENT,CALCUTTA, KHAITAN, CROMPTON- GREEVES		
5.0	Air Flow	Vendor to specify		
5.1	Air velocity at outlet	Vendor to specify		
5.2	Noise level at 1m distance in dbA	Vendor to specify		
6.0	Dimensions	Technical and Dimensional details with catalogue to be enclosed.		
6.1	Conformance to IS standard	Vendor to specify		
7.0	Scope of supply	Quantity		
7.1	General purpose Pedestal Type, 600 mm sweep,Air Circulator for industrial application and suitable for operation on 1-phase, 230 V, 50Hz a.c.supply	25 nos.		

Specification for Heavy Duty Exhaust Fan				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	General purpose wall mounting type 380 mm sweep,1400 rpm,160W, exhaust fan for Heavy duty application and suitable for operation on 1 phase, 230 V, 50Hz a.c.supply			
1.0	Exhaust fan Construction			
1.1	Exhaust fan Construction	Dyanamically balanced blades for even load on bearings.Epoxy powder coating enables the fans to resist corrosion against Chemically and saturated humid conditions.Motors with double ball bearings and class `B` insulation to ensure operation at a high performance. Whole unit to be robustly built to stand firmly and withstand rough handling.		
2.0	Number of blades in the impeller	Vendor to specify.		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
3.0	Motor Specification	Induction motor with double ball bearings , class `B` insulation to ensure operation at a high performance and suitable for 230 V, 1-phase, 50Hz, AC. supply.		
3.1	Motor Power	Not less than 160W, Vendor to specify actual power.		
4.0	Make of the exhaust fan	Orient,, Crompton - Greeves, Khaitan,Almonard,Bajaj,GE.		
4.1	Model of the exhaust fan	Vendor to specify		
5.0	Air velocity at outlet	Vendor to specify		
5.1	Noise level at 1m distance in dbA	Vendor to specify		
6.0	Dimensions	Vendor to specify		
6.1	Conformance to IS standard	Vendor to specify		
7.0	Scope of supply	Quantity		
7.1	General purpose wall mounting type 380 mm sweep,1400 rpm,160W, exhaust fan for Heavy duty application and suitable for operation on 1 phase, 230 V, 50Hz a.c.supply.	25 nos.		

Specification for Electric Ceiling Fan				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	General purpose, Electric Ceiling Fan, 1200mm sweep, capacitor type with double ball bearing and 300mm down rod, canopies, shackles, blades without speed regulator, suitable for operation on 230 / 240 Volts, 50Hz., single phase AC supply.			
1.0	Ceiling fan Construction			
1.1	Ceiling fan Construction	Electric Ceiling Fan, capacitor type with double ball bearing and 300mm down rod, canopies, shackles and blades.		
2.1	Number of blades in the fan	Vendor to specify		
2.2	Colour of the fan	White colour.		
3.0	Motor Specification	Foot mounted, squirrel cage, 4 Pole, induction motor with class B insulation, suitable for 415, 3-phase, 50Hz, AC. supply.		
3.1	Motor Power	Vendor to specify		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
3.2	Make and model of the fan	Orient (New Breeze), Crompton (High Breeze), Bajaj (Ultima), Khaitan (Magnet)		
4.0	Speed regulator	Without speed regulator		
6.0	Dimensions	Technical and Dimensional details with catalogue to be enclosed.		
6.1	Conformance to IS standard	Vendor to specify		
7.0	Scope of supply	Quantity		
7.1	General purpose Electric Ceiling Fansuitable for operation on 230 / 240 Volts, 50Hz., single phase AC supply. The fan should be in white colour.	350 nos.		