



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 Fax : +91 431 252 07 19 Email : csguna@bheltry.co.in Web : www.bhel.com
----------------	---

	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
	2620800062	18.07.2008	08.08.2008

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

Item	Description	Quantity	Delivery (Item required at BHEL on)
10	8 way x 63 Amps per way Fuse Distribution Board as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	100 Nos.	30.10.2008
20	8 way x 32 Amps per way Fuse Distribution Board as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	65 Nos.	30.10.2008
30	8 way x 16 Amps MCB Lighting Distribution Board as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	90 Nos.	30.10.2008

Note:

The materials shall be Guaranteed for a period of 12 months from the date of acceptance or 18 months from the date of despatch whichever is earlier. Please confirm your acceptance in your offer.

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 “2620800062”.

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
--	--

Specification for Medium Voltage Distribution Fuse Board				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Manufacture and supply of Medium Voltage, wall/ column mounting, indoor, enclosed distribution fuse boards comprising of fuse units, HRC fuses, busbar and conforming to the specification and features given below.			
1.0	Distribution Fuse Board			
1.1	Current rating at 415V, 50Hz	32 A/ 63 A (as specified in the scope of supply)		
1.2	Configuration	Three poles and neutral		
1.3	Type of enclosure	Fabricated Sheet steel		
1.4	Number of ways per phase	8 ways		
1.5	Fuse Units	Porcelain fuse units comprising of fuse base and holder and suitable for HRC fuses		
1.6	Make of the distribution fuse board/ fuse units(Reputed make acceptable to BHEL)	Vendor to specify the make offered.		
2.0	HRC Fuses:			
2.1	Current rating at 415V, 50Hz	32 A/ 63 A (as specified in the scope of supply)		
2.2	Number of Fuses	3 fuses per way		
2.3	Make of the fuse (Reputed make acceptable to BHEL)	Reputed make		
2.4	Type and configuration of the fuse offered	Vendor to specify.		

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
3.0	Overall dimensions of the DB	Vendor to specify		
4.0	General Features of the Distribution fuse board:			
4.1	Metallic enclosure shall be arranged as to prevent any accidental contact between ther enclosure and the live parts when the enclosure is in place.			
4.2	Two separate earthing terminals shall be provided			
4.3	Sufficient space shall be left in the interior for accommodation of external conductors from their point of entry into the enclosure upto the terminal.			
4.4	Label to be permanently and securely fixed inside the case to mark the name, current rating of the circuit and fuse rating.			
4.5	The neutral busbar shall be of the same size as phase busbar upto 32A DB and for higher rating it shall be half the size of phase busbar.			
4.6	The busbar chamber covers shall be fitted with dust proof gaskets.			
4.7	The DB shall be painted with one coat of red oxide primer and two coats of enamel paint.			
4.8	The distribution fuse board should conform to IS:2675-1983 and Indian Electricity Rules.			
5.0	Reference List/ Qualifying Conditions:			
5.1	Only those vendors who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least one year should quote.			
5.2	Information about the customers to whom similar equipments have been supplied is to be submitted for qualification of the offer.			

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
6.0	Scope of Supply	Quantity		
6.1	8 way x 32 A per way distribution fuse board of the configuration and specification as furnished above	65 nos.		
6.2	8 way x 63 A per way distribution fuse board of the configuration and specification as furnished above	100nos		

Specification for Lighting Distribution Board				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Manufacture and supply of Medium Voltage, wall/ column mounting, indoor, enclosed Lighting MCB distribution boards comprising of MCB, busbar, interconnection and conforming to the specification and features given below.			
1.0	MCB Distribution Board			
1.1	Current rating	100A, 4 pole MCB for main incomer. 100A, 2 pole ELCB in each phase for phase isolation. 16A, 1 pole MCB for each outgoing way.		
1.2	Configuration	Three poles and neutral DB with per phase isolation		
1.3	Type of enclosure	Fabricated Sheet steel		
1.4	Number of ways per phase	8 ways		
1.5	Busbar Rating	100 A		
1.6	Make of the MCB distribution Board (Schneider,Legrand,Standard Kopp,Havells &any other reputed make acceptable to BHEL)	Vendor to specify the make offered.		
2.0	Miniature Circuit Breaker			
2.1	Current rating	16 A/ 100 A (as specified for outgoing/incomer)		

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
2.2	Number of MCB	24 nos. 16A, 1P, MCB 3 nos. 100A, 2P, ELCB 1 no. 100A, 4P. MCB		
2.3	Breaking capacity of the MCB	9KA / 10KA		
3.0	General Features of the Lighting Distribution board:			
3.1	The DBs shall be ready to use with neutral links, earth links, Busbar and interconnecting wires/links.			
3.2	DB shall be provided with gland plates at the top and bottom with knockouts.			
3.3	Earth bar for facilitating individual earth for each outgoing circuit.			
3.4	Label to be permanently and securely fixed inside the case to mark the name, current rating of the circuit.			
3.5	Gaskets shall be provided to ensure vermin proof condition.			
3.6	The DB shall be provided with single door.			
3.7	The DB shall be painted with one coat of red oxide primer and two coats of enamel paint.			
3.8	The DB should conform to IS:13032-1991 and Indian Electricity Rules.			
3.9	The MCB shall conform to IS:8828-1996			
4.0	Scope of Supply	Quantity		
4.1	8 way x 16 A per way, 3-phase MCB distribution board of the configuration and specification as furnished above	90		