

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
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Annexure 1A to Enquiry No. 89105 Dated 15.01.2009				
	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	63 A		
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(SIEMENS,LEGRAND,HAVELLS,GEM,ABB,SCHNEIDER, Standard Kopp)	Vendor to specify the make offered.		
2.0	HRC Fuses:			
2.1	Current rating at 415V, 50Hz	63 A		
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.		
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 the 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			

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	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 like address, contact name with phone no., e-mail id, PO details of customers to whom similar equipments have been supplied is to be submitted for qualification of the offer.			
6.0	Scope of Supply	Quantity		
6.1	8 way x 63 A per way distribution fuse board of the configuration and specification as furnished above	3 nos.		

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Annexure 1B to Enquiry No. 89105 Dated 15.01.2009				
	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 ,ABB,SIEMENS,GEM)	Vendor to specify the make offered.		
2.0	Miniature Circuit Breaker			
2.1	Current rating	16 A/ 100 A (as specified for outgoing/incomer)		
2.2	Number of MCB	24 nos. 16A, 1P, MCB 3 nos. 100A, 2P, ELCB 1 no. 100A, 4P. MCB		

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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 fuse distribution board of the configuration and specification as furnished above	3.00 Nos.		