



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirapalli – 620014, TAMIL NADU, INDIA

An ISO 9001 Company

MATERIALS MANAGEMENT

TITLE	Phone: +91 431 2577025
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CORRIGENDUM for NIT-31910	Email : dcm@bheltry.co.in / ssm@bheltry.co.in

Enquiry Number: 2661700125	Enquiry Date: 15.03.2017	Due date for submission of quotation: 07.04.2017
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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

CORRIGENDUM for e-Tender

Details of Corrigendum
I) TECHNICAL SPECIFICATION FOR ENQUIRY / RFQ SL.NO 10, 20, 30, 40 & 80 IS ATTACHED
II) TENDER DUE DATE IS EXTENDED FROM 07.04.2017 TO 13.04.2017
All other terms and conditions as published in the NIT-31910 remain unaltered.

BHEL commercial terms & conditions and all annexure 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) under enquiry reference "2661700125"

Yours faithfully,


For Bharat Heavy Electricals Limited

D. CHANDRAMOHAN
Dy. General Manager
MM / Services / CP & SP
BHEL, TIRUCHY - 620 014.

Ref: [REDACTED]; SI Nos. 10, 20 & 80

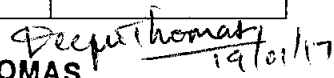
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Bidder's Comments
	Supply of Medium Voltage Switch Disconnecter Isolator conforming to the specification and features given below.		
1.0	Switch Disconnecter Isolator:		
1.1	Current rating at 415V, 50Hz	63A/100A/400A as specified in the scope of supply	
1.2	Configuration	Three poles and neutral	
1.3	Type of enclosure	Sheet steel	
1.4	Voltage rating	415V, 50Hz, a.c	
1.4	Overall dimensions of the isolator	Bidder to confirm	
1.5	Make of the isolator switch	Make: L&T, Siemens, GE, Indoasian, C&S, GEM makes only acceptable	
1.6	Type no. and make of the isolator switch offered	Bidder to confirm	
1.7	Technical leaflet of the isolator switch offered to be enclosed with the offer.	Bidder to confirm	
2.0	General Features of the Switch Disconnecter isolator:		
2.1	The switches shall be totally enclosed and fully shrouded		
2.2	Provided with On/Off flag indication and two earthing terminals		
2.3	Quick make, quick break mechanism, independent of the speed of the operator.		
2.4	All current carrying parts shall be hard silver plated		
2.5	Units to be provided with bolted type neutral links with facility to disconnect neutral easily.		
2.6	Interlock to ensure the lid cannot be opened until the switch is in off position and the possibility to defeat the interlock by a competent examiner.		
2.7	Provided with phase-phase, phase-earth barrier		
2.8	Generous space for wiring, inspection and maintenance		
2.9	Conduit knock-outs at top and bottom or removable gland plates		
3.0	Scope of Supply	Quantity	
3.1	Switch Disconnecter Isolator of 63A current rating as specified above	38 nos.	
3.2	Switch Disconnecter Isolator of 100A current rating as specified above	13 nos.	
3.3	Switch Disconnecter Isolator of 400A current rating as specified above	2 nos.	

[Signature]
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Sr. Maintenance Engineer
BHEL TRICHY - 620 014

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Ref: XXXXXXXXXX ; SI No.30			
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Bidder Comments
Manufacture and supply of Medium Voltage, 8 Way TPN distribution boards with 63A three pole TP MCB per way as outgoing, 250A, 4 pole MCCB as incomer, Metallic door. The DB should be Phase Segregated and Separated between incomer and outgoing, suitable for flush / surface mounting. The distribution boards conforming to the specification and features given below.			
1.0	TPN Distribution Board		
1.1	Type of enclosure (surface mounting)	Fabricated Sheet steel. confirming to IP42 or higher. Vendor to confirm.	
1.2	Configuration	Three poles and neutral DB with per phase isolation	
1.3	Number of ways	8 ways vendor to Confirm	
1.4	Copper Busbar Rating	250 A vendor to Confirm	
1.5	Make of the TPN distribution Board (Schneider, Legrand, Indoasian, Hager, Siemens, ABB, L&T, C&S or reputed make acceptable to BHEL)	Vendor to specify the make offered.	
1.6	Overall dimensions of the DB. Attach drawings	Vendor to specify	
2.0	Miniature Circuit Breaker/MCCB		
2.1	Breaking Capacity as per IS 8828 of 1996, IEC 60889 of 1995 for MCB and IEC 60947-2 for MCCB.	10 KA for MCB. 36 KA for MCCB. Vendor to confirm.	
2.2	Type of release	Fixed thermo magnetic for MCB. Adjustable thermo magnetic for MCCB. Vendor to confirm.	
2.3	Current rating at 415V, 50Hz	63 A/250 A (as specified for outgoing/incomer)	
2.4	Number of MCB, MCCB	63A, 8 nos., Triple pole MCB as outgoing, 250A, 1 no. 4 pole MCCB as incomer.	
2.5	Mounting accessories for MCCB :- Spreader links	Suitable current rating and size. Vendor to confirm.	
2.6	Terminal capacity of MCB	Proper termination and firm connection to accommodate 35sq.mm cable.	
2.7	Make, Type of the MCB offered . (Schneider, Legrand, Indoasian, Hager, Siemens, ABB, L&T, C&S or reputed make acceptable to BHEL)	Vendor to specify the make offered	
3.0	General Features of the Lighting Distribution board:		
3.1	The TPN DBs shall have 250A Copper Busbar with neutral bars, earth bars and Cable Ties for cable management, interconnecting wires/links. Neutral bars and busbars should be fully insulated with door earthing with IP 42 or higher protection.	Vendor to confirm.	
3.2	Sufficient clearance as per IS should be provided for Neutral bars	Vendor to confirm.	
3.3	DB shall be provided with gland plates at the top and bottom with knockouts.	Vendor to confirm.	
3.4	Earth bar for facilitating individual earth for each outgoing circuit. Sufficient clearance as per IS should be provided.	Vendor to confirm.	
3.5	Label to be permanently and securely fixed inside the case to mark the name, current rating of the circuit.	Vendor to confirm.	
3.6	Gaskets shall be provided to ensure vermin proof condition.	Vendor to confirm.	
3.7	The DB shall be provided with metal door.	Vendor to confirm.	
3.8	The DB shall be epoxy powder coated to give a superior finish with great aesthetics look.	Vendor to confirm.	


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 BHEL, IRV, 620 014. Page 1 of 2

3.9	The DB should conform to IS standards and Indian Electricity Rules.	Vendor to confirm.	
3.10	The MCB shall conform to IS:8828-1996 & IEC 608898 of 1995 and IEC 60947-2 for MCCB.	Vendor to confirm.	
4.0	Reference List/ Qualifying Conditions:		
4.1	Only those vendors who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least one year after commissioning should quote.	Vendor to confirm.	
4.2	Information about the customers to whom similar equipments have been supplied is to be submitted for qualification of the offer.	Vendor to confirm.	
5.0	Scope of Supply	Quantity	
5.1	8 way TPN distribution boards with 63 A, Triple pole MCB as outgoing, 250A, 4 pole MCCB as incomer. The TPN distribution board should be Phase Segregated and Separated between incomer and outgoings, suitable for surface mounting. The distribution boards conforming to the specification and features as furnished above.	7 nos.	

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Manufacture and supply of Medium Voltage 8 Way MCB distribution board with 16A single pole MCB per way as outgoing; 63A, DP MCB as phase incomer; 100A, 4 pole MCB as incomer; 7 segment, Double door. The DB should be Phase Segregated and Separated between incomer and outgoing, suitable for flush / surface mounting. The distribution boards conforming to the specification and features given below.

1	Description for BHEL Requirement	Specified/ To be confirmed by	Bidder's Comments
1.0	MCB Distribution Board		
1.1	Type of enclosure confirming to IP42.	Fabricated Sheet steel. Vendor to confirm.	
1.2	Configuration	Three poles and neutral DB with per phase isolation	
1.3	Number of ways per phase	8 ways. Vendor to confirm	
1.4	Copper Busbar Rating	100 A. Vendor to confirm	
1.5	Make of the MCB distribution Board (Schneider, Legrand, Indoasian, Hager, Siemens, ABB, L&T, C&S or other reputed makes acceptable to BHEL)	Vendor to specify the make offered.	
1.6	Overall dimensions of the DB. Attach Drawing	Vendor to attach drawings	
2	Miniature Circuit Breaker		
2.1	Breaking Capacity as per IS 8828 of 1996, IEC 60898 of 1995 or latest edition.	10 KA for MCB. Vendor to confirm.	
2.2	Type of release	Thermo magnetic. Vendor to confirm.	
2.3	Current rating at 415V, 50Hz.	100A, 4 pole MCB as incomer. 63 A, Double Pole MCB as phase incomer, 16A, Single pole MCB as outgoing.	
2.4	Number of MCB	1) 16A, Single pole MCB, 24 nos. 2) 63A, Double pole MCB, 3 nos. 3) 100A, 4 pole MCB, 1 no.	
2.5	Terminal capacity of MCB	Proper termination and firm connection to accommodate 35sq.mm cable.	
2.6	Make, Type of the MCB offered. (Schneider, Legrand, Indoasian, Hager, Siemens, ABB, L&T, C&S or other reputed makes acceptable to BHEL)	Vendor to specify the make offered	
3	General Features of the Lighting Distribution board:		
3.1	The DBs shall be 100A Copper Busbar with neutral bars, earth bars and Cable Ties for cable management, interconnecting wires/links. Neutral bars and busbars should be fully insulated with door earthing with IP 42 protection.	Vendor to confirm.	
3.2	DB shall be provided with gland plates at the top and bottom with knockouts.	Vendor to confirm.	
3.3	Earth bar for facilitating individual earth for each outgoing circuit.	Vendor to confirm.	
3.4	Label to be permanently and securely fixed inside the case to mark the name, current rating of the circuit.	Vendor to confirm.	

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3.5	Gaskets shall be provided to ensure vermin proof condition.	Vendor to confirm.	
3.6	The DB should conform to IS:13032-1991 and Indian Electricity Rules.	Vendor to confirm.	
3.7	The MCB shall conform to IS:8828-1996 & IEC 608898 of 1995 .	Vendor to confirm.	
3.8	The DB shall be provided with metal double door.	Vendor to confirm.	
3.9	The DB shall be epoxy powder coated to give a superior finish with great aesthetics look.	Vendor to confirm.	
4	Reference List/ Qualifying Conditions:		
4.1	Only those vendors who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least one year after commissioning should quote.	Vendor to confirm.	
4.2	Information about the customers to whom similar equipments have been supplied is to be submitted for qualification of the offer.	Vendor to confirm.	
5	Scope of Supply	Quantity	
5.1	8 way MCB distribution boards with 16 A per way as outgoing, 63A, DP MCB as phase incomer, 100A , 4pole MCB as incomer, 7 segment, MCB distribution board. The DB should be Phase Segregated and Separated between incomer and outgoings , suitable for flush / surface mounting. The distribution boards conforming to the specification and features as furnished above.	3 nos.	

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