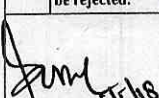
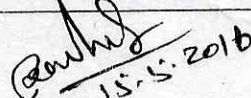
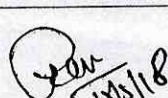


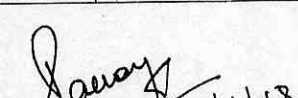
BHARAT HEAVY ELECTRICALS LIMITED, JHANSI

EQUIPMENT		: 415 VOLT, 630 Amp., 3 PHASE WIRE 50 HZ., L. T. SUB BOARD	
SPECIFICATION NO.		7203	
ITEM No.		SP/Serv./Misc./1/8/7203	
LOCATION		BAY-9	
QUANTITY		02 No.	
NOTE:-			
1 VENDOR must submit complete information against clause No. 7.0 (Qualifying condition). The offer meeting this clause would only be processed.			
2 The "offered" Column and where applicable, the "Deviations" Column of this format shall be filled in by the Vendor and submitted along with the offer. Technical details also submitted with the offer.			
3 The offer and all documents enclosed with offer should be in English language only.			
SCOPE			
DESIGN, MANUFACTURING & SUPPLY, OF L.T SUB BOARD AS PER SPECIFICATION.			
		Action By Vendor	OFFERED
			DEVIATIONS
1 SPECIFICATION:			
Air insulated metal clad totally enclosed rigid floor mounting free standing cubicle type manually operated L. T. Board. The board shall comprise of suitable length of 1250 Amp. TPN Bus bar chamber with copper / aluminum Bus bar with rupturing capacity 31 MVA at 415 Volt. Panel should be equipped with the following incoming and outgoing feeders:-		Vendor to confirm	
1.1 INCOMING:		Vendor to confirm	
1.1.1	1 No. 630 Amp. Triple pole neutral switch fuse unit. Make should be L&T/ GE power control/Siemens only. Model of switch to be confirmed by the supplier in the offer.	Vendor to confirm	
1.1.2	3 Nos. ring type CT with 15 VA burden and 15 T10 class of accuracy with ratio 600-400/5 for metering.	Vendor to confirm	
1.1.3	0-400-600 dual range 144 Sq. MM flush mounting type ammeter with ammeter selector switch.	Vendor to confirm	
1.1.4	0-500 volt range 144 sq. mm with 1 class accuracy flush mounting voltmeter with voltmeter selector switch.	Vendor to confirm	
1.1.5	Set of cable termination suitable for 2 Nos. 3 1/2 core 300 sq. mm AL. conductor PVC/XLPE cable with suitable cable gland.	Vendor to confirm	
1.1.6	KWH meter for 3 Phase 4 wire 415 Volt 50 Hz System suitable for balance and unbalance load condition.	Vendor to confirm	
1.1.7	Operating handle shall be supplied.	Vendor to confirm	
1.2 OUTGOING		Vendor to confirm	
1.2.1	3 Nos. 315 Amp. Rating 415 Volt 50 Hz triple pole 3 Phase fuse switch unit with set of cable termination suitable for 1 No. 3 1/2 core 300 sq. mm AL. conductor PVC/XLPE cable with suitable cable gland. Make of switch should be L&T/GE power control/Siemens only. Model of switch to be confirmed by the supplier in the offer.	Vendor to confirm	
1.2.2	3 Nos. 200 Amp. Rating 415 volt 50 Hz triple pole 3 phase fuse switch unit with set of cable termination suitable for 1 No. 3 1/2 core 185 sq. mm AL. conductor PVC/XLPE cable with suitable cable gland. Make of switch should be L&T/GE power control/Siemens only. Model of switch to be confirmed by the supplier in the offer.	Vendor to confirm	
1.2.3	3 Nos. 100 Amp. Rating 415 volt 50 Hz triple pole 3 phase fuse switch unit with set of cable termination suitable for 1 No. 3 1/2 core 95 sq. mm AL. conductor PVC/XLPE cable with suitable cable gland. Make of switch should be L&T/GE power control/Siemens only. Model of switch to be confirmed by the supplier in the offer.	Vendor to confirm	
1.2.4	3 Nos. 63 Amp. Rating 415 volt 50 Hz triple pole 3 phase fuse switch unit with set of cable termination suitable for 1 No. 3 1/2 core 50 sq. mm AL. conductor PVC/XLPE cable with suitable cable gland. Make of switch should be L&T/GE power control/Siemens only. Model of switch to be confirmed by the supplier in the offer.	Vendor to confirm	
2 DOCUMENT/DRAWING		Vendor to confirm	
All the document/drawing including outline general arrangement shall be submitted to us in Triplicate for approval before commencement of work for approval.			
3 INSPECTION		Vendor to confirm	
At least 15 day advance information should be given to enable us to depute our Representative for inspection / testing as per specification.			
4 GUARANTEE		Vendor to confirm	
The equipment shall be guaranteed in respect of material construction and operation against any manufacturing and design defect for a period of 24 month after supply.			
5 GENERAL REQUIREMENT		Vendor to confirm	
5.1	Clear space should be provided for the termination of cables.	Vendor to confirm	
5.2	The sub board shall be dust and vermin proof.	Vendor to confirm	
5.3	Aluminum anodized name plate for outgoing circuit shall be screwed in front and back of the panel.	Vendor to confirm	
5.4	The equipment should be confirmed to relevant IS/BS.	Vendor to confirm	
5.5	Barrier for protection against fire between bus sections should be provided.	Vendor to confirm	
5.6	Copper earth bus bar of suitable capacity shall be provided inside the panel.	Vendor to confirm	
5.7	Offer shall be sent with complete literature and necessary details.	Vendor to confirm	
5.8	The instruction and maintenance manual should be sent along with the equipments including electrical & Mech. details. (03 set)	Vendor to confirm	
5.9	The panel finish should be with Aircraft Grey to ISS shade-693.	Vendor to confirm	
5.10	Not with standing the details in this specification if anything else is required for its functioning the same should brought in the notice and included in the offer.	Vendor to confirm	
5.12	Make and model of offered sub board	Vendor to submit	
5.13	Dimensional lay out/foot print of sub board	Vendor to submit	
6 QUALIFYING CONDITION		Vendor to confirm	
6.1	Only those vendors, who are in the line of panel manufacturing or authorized agents (Authorisation certificate required) of Panel manufacturer, & supplied at least five no. or more similar type of panel in last five years (P.O. & despatch documents to be submitted), shall quote. The following information's are to be submitted with the offer. This is required from vendor for qualification of their offers. The following information's are to be submitted with the offer. This is required from vendor for qualification of their offers.		
6.2	Name of the panel manufacturer and submit company profile.	Vendor to confirm	
6.3	Detail of manufacturing & test facilities available at manufacturer works.	Vendor to Submit	
7	BHEL reserves the right to information's submitted by vendor. In case the information is found to be false/ Incorrect, the offer shall be rejected.	Vendor to confirm	


S. Thomas
Dy. Eng(wex)


S.K. Bajpayee
Mgr.(WEX)


Y.K. Dhang
Dy. Mgr(WEX,MOD)


Pawan Kumar
Sr. Mgr(WEX,MOD)