
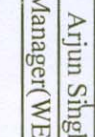


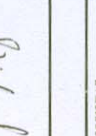

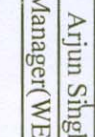


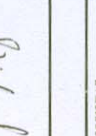

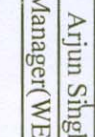


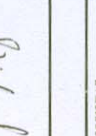


**BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**

EQUIPMENT	: 415 VOLT, 3 PHASE WIRE 50 HZ.,L. T. SUB BOARD	
SPECIFICATION NO.	: SP/ELEC/9312	
LOCATION	: NEW FABRICATION SHOP & STORE	
QUANTITY	: ELEVEN NOS.	
NOTE:-		
1	VENDOR must submit complete information against clause No.6.0 ( 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 Vender and submitted along with the offer. Technical details also submitted with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specification / requirements shall be treated as non - compliance.	
3	The offer and all documents enclosed with offer should be in English language only.	
1	<b>SPECIFICATION:</b>	<b>OFFERED</b>
	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	<b>INCOMING:</b>	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 ½ 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
		<b>DEVIATIONS</b>

<b>1.2 OUTGOING</b>		
1.2.1	3 Nos. 315 Amp. Rating 415 Volt 50 Hz triple pole 3 Phase fuse switch unit wit set of cable termination suitable for 1 No. 3 ½ 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 ½ 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 ½ 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 ½ 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
<b>2 DRAWING</b>	All the drawing including outline general arrangement shall be submitted to us in Triplicate for approval before commencement of work.	Vendor to confirm
<b>3 INSPECTION</b>	At least 15 day advance information should be given to enable us to depute our Representative for inspection / testing. Dispatch shall be affected only after details.	Vendor to confirm
<b>4 GUARANTEE</b>	The equipment shall be guaranteed in respect of material construction and operation against any manufacturing and	Vendor to confirm
<b>5 GENERAL REQUIREMENT</b>		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 complete light, stream line dust and vermin proof.	Vendor to confirm
5.3	Aluminium 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 instructing and maintenance manual should be sent along with the equipments.	Vendor to confirm
5.9	The panel finish should be with Aircraft Grey to ISS shade-693.	Vendor to confirm
5.10	Notwithstanding 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

6 QUALIFYING CONDITION		Vendor to confirm	Vendor to confirm																					
6.1	Only those vendors, who are in the line of panel manufacturing or authorized agents of Panel manufacturer, & supplied at least five no. or more similar type 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.	Vendor to confirm																						
6.2	Name of the panel manufacturer and submit company profile.	Vendor to confirm																						
6.3	Detail of manufacturing facilities available at manufacturer works.	Vendor to confirm																						
6.4	Details of test facilities available at manufacturer works.	Vendor to confirm																						
7	BHEL reserves the right to information's submitted by vender. In case the information is found to be false/ Incorrect, the offer shall be rejected.	Vendor to confirm																						
	<table border="1"> <tr> <td> 31/1/12</td> <td></td> <td> 31/1/12</td> <td></td> <td> 31/1/12</td> </tr> <tr> <td>Y.K. Dhingra Sr. Engr(WEX)</td> <td></td> <td>Arjun Singh Manager(WEX)</td> <td></td> <td>INDER MATHUR Sr. Manager (WE&amp;S)</td> </tr> <tr> <td></td> <td></td> <td> 31/1/12</td> <td></td> <td></td> </tr> <tr> <td>A.K. Shivpuri Sr. Manager (WE&amp;S)</td> <td></td> <td>S.J. Chakraborty Sr.DGM(WEX)</td> <td></td> <td></td> </tr> </table>	 31/1/12		 31/1/12		 31/1/12	Y.K. Dhingra Sr. Engr(WEX)		Arjun Singh Manager(WEX)		INDER MATHUR Sr. Manager (WE&S)			 31/1/12			A.K. Shivpuri Sr. Manager (WE&S)		S.J. Chakraborty Sr.DGM(WEX)					
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(एस०जी० चक्रवर्ती)  
वरिष्ठ उप महाप्रबन्धक  
कार्य अभियंत्रिकी एवं सेवा  
बी०एच०ई०एल०, झारखी