






BHARAT HEAVY ELECTRICALS LIMITED

JHANSI

EQUIPMENT	: THREE PHASE AUTOMATIC POWER FACTOR		
RATING		: 80 KVAR, 3 PHASE 415 VOLT	
LOCATION		: SUB-STATION	
SPECIFICATION NO		: 9314	
ITEM NO		: SP/ELEC/9314	
QUANTITY		: TWO NUMBERS.	
1 SPECIFICATION:		OFFER	DEVIATION
Three phase automatic power factor correction panel is required for the correction of power factor in sub-stations. The panel shall be totally enclosed rigid floor mounting free standing cubicle type. Panel should be equipped with the following:-	Vendor to confirm		
2 INTELLIGENT POWER FACTOR CONTROLLER	Vendor to confirm		
Intelligent power factor controller shall be of reputed make i.e Siemens/L&T/BHC/C&S only. The controller shall have minimum 12 points controller. The controller shall have following features:	Vendor to confirm		
(a) Measurement of power factor, Total wattage, Total VAr, Total VA, Total KWH and Total KVArh	Vendor to confirm		
(b) Harmonic measurement	Vendor to confirm		

	(c) Programmable discharge time.	Vendor to confirm		
3	INCOMER Three phase suitable rating (not less than 200 Amp. Rating) MCCB shall be provided for ON/OFF of the panel. The switch shall be front rotary handle type. Make of the MCCB shall be Siemens/L&T/BHC/C&S only.	Vendor to confirm		
4	CAPACITOR Suitable rating heavy duty (cylinder/ box type) capacitor shall be provided. The banking arrangement shall be 15,15,15,10, 10, 10 & 5 KVAR rating (suitable option can be considered). The capacitor shall be mounted/ arranged on the panel in vertically and provision shall be provided for easy maintenance. Make of the capacitor shall be Siemens/L&T/BHC/C&S only.	Vendor to confirm		
5	SWITCHING CONTACTOR Capacitor duty contactor shall be provided of suitable rating for ON/OFF of the capacitor. Make of the contactor shall be Siemens/L&T/BHC/C&S only.	Vendor to confirm		
6	OUT GOING Suitable rating triple pole MCB / HRC fuses with fuse base shall be provided for out going connection. Make of the MCB/Fuses shall be Siemens/L&T/BHC/C&S only.	Vendor to confirm		
7	TERMINAL PLATE Suitable cable termination arrangement shall be provided in the panel to connect cables.	Vendor to confirm		
8	GENERAL REQUIREMENT	Vendor to confirm		
	1. R-Y-B indication shall be provided in the panel.	Vendor to confirm		
	2. Ammeter and voltmeter shall be provided in the panel.	Vendor to confirm		

	3. The Panel shall be complete light, stream line dust and vermin proof.	Vendor to confirm		
	4. The equipment should be confirmed to relevant IS/BS.	Vendor to confirm		
	5. Barriers for protection against fire between bus sections should be provided.	Vendor to confirm		
	6. All the drawing including outline general arrangement shall be submitted to us in Triplicate for approval before commencement of work.	Vendor to confirm		
	7. 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 inspection.	Vendor to confirm		
	8. The equipment shall be guaranteed in respect of material construction and operation against any manufacturing and design defect for a period of 24 months after supply.	Vendor to confirm		
	9. Offer shall be sent with complete literature and necessary details.	Vendor to confirm		
	10. The instruction and maintenance manual should be sent along with the equipments.	Vendor to confirm		
	11. Notwithstanding the details in this specification if any thing else is required for its functioning the same should brought in the notice and included in the offer.	Vendor to confirm		
9 QUALIFYING CONDITION				
9.1	Only those venders, who are in the line of panel manufacturing or authorized agents of panel manufacturer, shall quote. The following information's are to be submitted with the offer. This is required from venders for qualifications of their offers.	Vendor to confirm		
9.2	Name of the panel manufacturer and company profile.	Vendor to confirm		
9.3	Details of manufacturing facilities available at manufacturer works.	Vendor to confirm		
9.4	Details of test facilities available at manufacturer works.	Vendor to confirm		

	BHEL reserves the right to verify information submitted by vender. In case the information is found to be false/ incorrect, the offer shall be rejected.	Vendor to confirm		
9.5	List of the company where supplied in last 2 years with add, name of contact person & phone number.	Vendor to confirm		
	 Y.K. Dhangra Sr. Eng. (WE&S)	 Arjun Singh Mgr (WE&S)	 Inder Mathur Sr. Mgr (WE&S)	 A.K. Shivpuri Sr. Mgr (WE&S)
			 S.J. Chakraborty Sr. Mgr (WE&S)	

वर्किंग उप महामान्यक
कार्य शिवायिका एवं सेवा
मोपवॉर एल, शोरी