

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI

EQUIPMENT	440V,800 Amp. ACB PANEL (3 IN 1)
ITEM NO.	SP/Serv./Misc./1/8/7202
SPECIFICATION NO.:	7202
LOCATION	Sub-station
QUANTITY	1No.

NOTE :

- VENDOR must submit complete information against clause No. 5 (Qualifying condition). The offer meeting this clause would only be processed.
- 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.
- The offer and all documents enclosed with offer should be in English language only.

NAME & ADDRESS OF THE SUPPLIER :

CONTACT PERSON'S NAME

TELEPHONE NOS.:

E-MAIL ADDRESS :

SCOPE :

DESIGN, MANUFACTURING, TESTING, PACKING, SUPPLY, OF 440V,800 Amp. LT ACB PANEL (3 IN 1)

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS
1.0	This specification governs the quality requirements of design, manufacturing, testing, packing at supplier works, delivery of 440V,800 Amp. LT ACB PANEL (3 IN 1)	VENDER TO CONFIRM		
1.1	STANDARD APPLICABLE			
	SWITCHGEAR : IS:13118-1991/ IS:3427-1969	VENDER TO CONFIRM		
	CT : IS:2705 -1992	VENDER TO CONFIRM		
	PT : IS:3156 -1992	VENDER TO CONFIRM		
	STATUTORY : MEETS INDIAN ELECTRICITY RULES	VENDER TO CONFIRM		
1.2	Quantity 1 Set	VENDER TO CONFIRM		
1.3	Location Sub-station	VENDER TO CONFIRM		
2.0	REQUIREMENT			
2.1	440V,800 Amp., Indoor Type multiple ACB panel with 1 No. incomer and 2 Nos. outgoing(03 in 01, LT ACB). Panel shall be complete with air insulated 3 phase bus bar, earth bars, small wiring, terminal board, fuses, foundation bolt and sundries.	VENDER TO CONFIRM		
	Description /Specification	Incomer	Out going	
3.0	440V,800 Amp.In commmer & 2x800Amp.Out going Horizontal drawout type LT ACB.	1 No.	2 Nos.	VENDER TO CONFIRM
i	Make of ACB MODULE			VENDER TO SPECIFY
ii	Model of ACB MODULE			VENDER TO SPECIFY
3.1	Vacuum circuit breaker comprising of following:			
i	Manual spring charging mechanism			VENDER TO CONFIRM
ii	Tripping Coil suitable for 30 VDC			VENDER TO CONFIRM
iii	8 No +8 NC Auxiliary Switch			VENDER TO CONFIRM
iv	Mechanical ON/OFF Indication			VENDER TO CONFIRM
v	Mechanical Spring charge/Discharge indication			VENDER TO CONFIRM
vi	Braker Position Indicator			VENDER TO CONFIRM
vii	Automatic Safety Shutters			VENDER TO CONFIRM
viii	Secondary self-aligned plug in contacts			VENDER TO CONFIRM
ix	Anti-Pumping feature			VENDER TO CONFIRM
3.2	440V,800 Amp. Epoxy Resin Cast current Transfromer /5-5A	3 Nos	6 Nos	VENDER TO CONFIRM
i	Core-I: Cl.0.5 with 15VA burden for Metering			VENDER TO CONFIRM
ii	Core-II: Cl. 5P10 with 15 VA burden for Protection			VENDER TO CONFIRM
3.4	Meter: Size :96 x 96 mm			VENDER TO CONFIRM
i	Analog Ammeter with selector switch/5A	1 No.	2 Nos.	VENDER TO CONFIRM
ii	Analog Voltmeter with selector switch	1 No.	2 Nos.	VENDER TO CONFIRM
iii	Multifunction meter. Class 0.5	1 No.		VENDER TO CONFIRM
iv	KWH Meter digital type	1 No.	2 Nos.	VENDER TO CONFIRM
3.6	Relays:			
i	Numerical Non-Directional IDMT	1 No.	2 Nos.	VENDER TO CONFIRM
ii	Master Trip Relay	1 No.	2 Nos.	VENDER TO CONFIRM
iii	Aux. Relay	NIL	4 Nos	VENDER TO CONFIRM
3.7	Indicating Lamps/Push Buttons:			
i	R,Y,B Indication Lamp	3 Nos	6 Nos	VENDER TO CONFIRM
ii	Braker ON/OFF Indicating Lamps	2 Nos	4 Nos	VENDER TO CONFIRM
3.8	Miscellaneous Items:			
i	MCB for AC and DC Supply	2 Nos	4 Nos	VENDER TO CONFIRM

DESIGN, MANUFACTURING, TESTING, PACKING, SUPPLY, OF 440V,800 Amp. LT ACB PANEL (3 IN 1)

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT			ACTION BY VENDOR	OFFERED	DEVIATIONS
ii	Panel space heater with thermostat	1 No.	2 Nos.	VENDER TO CONFIRM		
iii	Bus Bar Aluminium/Copper	1 Set	2 Set	VENDER TO CONFIRM		
iv	Panel illumination with switch	1 No.	2 Nos.	VENDER TO CONFIRM		
v	5 Amp 3 pin socket	1 No.	2 Nos.	VENDER TO CONFIRM		
vi	Control fuses, ferules & wiring	1 Set	2 Set	VENDER TO CONFIRM		
vii	M.S Cubical with powder coating	1 Set	2 Set	VENDER TO CONFIRM		
4.0	GENERAL					
i	All the drawing (Elec. & Mech.) including outline general arrangement shall be submitted to us in Triplicate for approval before commencement of work.			VENDER TO CONFIRM		
ii	3 sets of operation/maintenance manual shall be supplied with the panel.			VENDER TO CONFIRM		
iii	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			VENDER TO CONFIRM		
iv	Aluminum anodized name plate for outgoing circuit shall be screwed in front and back of the panel.			VENDER TO CONFIRM		
v	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.			VENDER TO CONFIRM		
vi	Offer shall be sent with complete literature and necessary details.			VENDER TO SUBMIT		
vii	Dimentional lay out of complete 440V,800 Amp. LT ACB PANEL (3 IN 1)			VENDER TO SUBMIT		
viii	Make and model of offered panel			VENDER TO SPECIFY		
ix	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.			VENDER TO CONFIRM		
5.0	QUALIFYING CONDITION					
i	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.			VENDER TO SUBMIT		
ii	Name of the panel manufacturer and company profile			VENDER TO SUBMIT		
iii	Details of manufacturing & test facilities available at manufacturer works			VENDER TO SUBMIT		
6.0	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			VENDER TO CONFIRM		

S. Thomas
Dy. Eng(WEX)

S.K.Bajpayee
Mgr.(WEX)

Y.K.Dhingra
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