



No.UGC/Electrical/43/2012

June 07, 2012

Subject: Tender for Low voltage Distribution Board/Panel and Supply of Circuit Breakers on FOR at UCG Project Thar Site.

Detail specifications of the subject items are as under:-

S. No.	Description	Unit	Qty	Unit Price	Total Price
01.	Floor standing, Front access type L.V (400 Volts AC,50Hz, TPNE) distribution board/panel made of M.S sheet, Upper and Down Plate Detachable and by using all sort of circuit Breakers from Siemens,ABB,Scheniders,with proper glands completed in all respects with 18" stand weather coated, having 3P,Neutral and Earth Tinned Copper Bus bars, comprising of:	No	01		
	INCOMMING:				
	250 Amps. TP MCCB Adjustable 36KA				
	1-Ammeter with selector switch.				
	1-Voltmeter with selectors switch				
	1-Set Instrument Fuses				
	1-Set of Indication Lamps.				
	OUTGOING:				
	3 x 60 Amps. TP MCCB Adjustable 36KA				
	10 x 16 Amps .SP MCB 10KA				
10 x 10 Amps SP MCB 10 KA					
02	Supply of Circuit Breakers, Make of Siemens, ABB, Schneider Electric				
	I 6 Amps SP,MCB,10 KA	No	36		
	II 10 Amps SP,MCB,10 KA	No	36		
	III 16 Amps SP,MCB,10 KA	No	36		
	IV 20 Amps SP,MCB,10 KA	No	24		
	V 15 Amps, TP MCCB, Fixed ,15 KA	No	12		
	VI 20 Amps, TP MCCB, Fixed,15 KA	No	12		
	VII 30 Amps, TP MCCB, Fixed, 30 KA	No	12		
	VIII 60 Amps,TP MCCB,Fixed 30 KA	No	06		

TECHNICAL SPECIFICATIONS

LV Distribution Boards / Panels

The nominal characteristics of the LV Distribution Boards / Panels are:

- Voltage: 400 Volts AC
- Frequency: 50 Hz
- No. of Phases: Three + Neutral + Earth

1. The Enclosure of the Switchgear and its Stand shall be Powder Coated.
2. The Switchgear shall form a lineup of freestanding metal enclosure suitable for indoor service. Enclosure shall have adequate strength to withstand all stresses imposed by shipping/handling, installation and operation without distortion or damage. Provision shall be made for adding cubicles at either end of the switchgear.
3. Hinged doors of framed steel construction, with locks, shall provide access to circuit breaker compartments. The supplier shall also provide a set of duplicate keys for each panel. Hinged rear door or removable bolted panel shall provide access to bus compartment.
4. The panels shall also provide protection for equipment against:
 - a. Dust
 - b. Water
 - c. Insects or rodents
5. Enclosures shall be constructed of smooth finished sheet metal/ with sufficient structural requirement to ensure a plane surface, to limit vibration to provide rigidity.
6. Design, material selection and workmanship shall be such as to result in a neat appearance outside and inside, with no weld, rivets or bolt head apparent from outside and with all exterior surfaces clean and smooth.
7. The arrangement of equipment shall in no case prevent satisfactory performance/and shall allow sufficient space for proper maintenance within the structure.
8. The panel front/top and sides shall be made from minimum 2mm thick hot rolled steel plate. Panel frame shall be fabricated from minimum 2mm thick steel sheet.
9. Each completed enclosures shall have provision for lifting and handling.
10. Each cubical shall be provided with Anit Condensation Heater and Panel Lighting.
11. The Circuit Breakers will be as specified in Bill of Quantities.
12. MCCB Stands for Moulded Case Circuit Breaker.
13. MCB Stands for Miniature Circuit Breaker.

- I. Blank tender forms can be collected from the office of Manager (Admin & Accounts), UCG Project Thar, upto 29-06-2012 at 12:00 Noon, during office hours after depositing the tender fee amounting to Rs.200(Non Refundable) in the shape of pay order in favor of Accounts Officer, UCG Thar Project, Islamkot.
- II. The tenders will be received backup to 30-06-2012 at 11:00 and will be opened on the same day at 12:00hrs in the presence of Purchase Committee and the bidders or their authorized representatives who wish to be present.
- III. Bid Security amounting to 2% of Bid Price should be submitted along with the Bid in shape of Pay Order in favor of Accounts Officer, UCG Thar Project, issued by any scheduled Bank of Pakistan.
- IV. The bid security will be forfeited to the Government, if the bidder withdraws his bid after opening and before the expiry of the bid validity period or fails to sign the contract if the bid is accepted.
- V. Amount of the tender is below Rs.01 Million.
- VI. Conditional tender and tender without bid security shall not be considered.
- VII. Delivery time will be 10 days starting after the issuance of supply order.
- VIII. GST/Income Tax Certificates, as the case may be, must be accompanied with the tender.
- IX. The procuring agency may reject all or any bid at any time prior to the acceptance of a bid or proposal, subject to the relevant provision of SPP Rules 2010.
- X. Tender envelope should bear the tender No. UCG/Electrical/43/2012 **Tender for Low voltage Distribution Board/Panel and Supply of Circuit breaker.**

Brig(R)
Farooq Ahmad Pasha
Principal Administrator (Tech)
UCG Thar Project Site,
C/O Manager,
National Bank of Pakistan
Islamkot.
Ph: 0232-923030