

## SCHEDULE TO TENDER

- |   |                           |
|---|---------------------------|
| 1. IT No.                                 | UCG/Elect-178/2014        |
| 2. Time and Date of Technical Bid Opening | at 1500 hrs on 06-05-2014 |
| 3. Time and Date of Financial Bid Opening | at 1600 hrs on 06-05-2014 |

### Low Voltage Distribution Boards for Welding Works and Water Wells.

S. No.	Description	Unit	Qty	Unit Price	Total Price
01.	<p>Providing of L.V Distribution Board/Panels, Floor Standing, Front access type, made of M.S sheet and by using all sort of circuit Breakers from Siemens, ABB, Schneider, GE complete in all respects and generally comprising with 18" high stand, weather proof.</p> <p>a) Sheet Steel Floor Mounted Cubical Structure. b) 3 Phase Copper Bus Bar c) Half Sized Neutral Bus Bar d) Earthing Bus Bar</p> <p><b>INCOMMING:</b></p> <p>400 Amps TP MCCB Adjustable 50KA. 1-Voltmeter with selectors switch 1-Set of Indication Lamps.</p> <p><b>OUTGOING:</b></p> <p>10 x100 Amps. TP MCCB 30 KA. 12 x 20 Amps. SP MCB , 10 KA</p>	No	02		
02.	<p>Providing of L.V Distribution Board/Panels, Floor Standing, Front access type, made of M.S sheet and by using all sort of circuit Breakers from Siemens, ABB, Schneider , GE. complete in all respects and generally comprising with 18" high stand weather proof</p> <p>a) Sheet Steel Floor Mounted Cubical Structure. b) 3 Phase Copper Bus Bar c) Half Sized Neutral Bus Bar d) Earthing Bus Bar</p> <p><b>INCOMMING:</b></p> <p>400 Amps TP MCCB Adjustable, 50KA. 1-Voltmeter with selectors switch 1-Set of Indication Lamps.</p> <p><b>OUTGOING:</b></p> <p>3 x150 Amps. TP MCCB 36 KA. 7 x 100 Amps. TP MCCB , 30 KA 12 x 20 Amps. SP MCB , 10 KA</p>	No	01		

**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. Size of the Cu Bus bar should be of suitable size and shall be Tin Plated. Holes in earth and Neutral terminals should be sufficient to accommodate all incoming and outgoing circuits.
  3. The panels shall also provide protection for equipment against:
    - Dust
    - Water
    - Insects or rodents.
  4. The Switchgear shall form a lineup of freestanding metal enclosure suitable for outdoor service. Enclosure shall have adequate strength to withstand all stresses imposed by shipping/handling, installation and operation without distortion or damage.
  5. 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
  6. Enclosures shall be constructed of smooth finished sheet metal/ with sufficient structural requirement to ensure a plane surface, to limit vibration to provide rigidity.
  7. 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.
  8. The arrangement of equipment shall in no case prevent satisfactory performance/and shall allow sufficient space for proper maintenance within the structure.
  9. The panel front/top and sides shall be made from minimum 16SWG thick hot rolled steel plate. Panel frame shall be fabricated from minimum 16SWG thick steel sheet.
  10. Each completed enclosures shall have provision for lifting and handling.
  11. The Circuit Breakers will be as specified in Bill of Quantities.
  12. The Circuit Breakers provided shall be along with technical brochures and manuals.
  13. MCCB Stands for Moulded Case Circuit Breaker.
  14. MCB stands for Miniature Circuit Breaker.

