

TECHNICAL SPECIFICATION OF LT KIOSK 800 AMPS

Supply of cubical type, Free standing, Floor mounting steel sheet enclosed dust and vermin proof

Outdoor type switch board comprising of the following:

SYSTEM

Voltage : 415 Volts
Frequency : 50 Hz
Phase : 3 Phase 4 wire

BUSBAR:

Material : E91 E Grade Aluminum
Rating : 400 Amps
Size : (2 x 75mm x 6mm)
2x75x6 per Phase
Support : SMC

PAINT Paint finish : Siemens grey, Power Coating

CONSTRUCTION : Out door

CABLE ENTRY : Bottom

INCOMING 01 NO : 800 Amps FEEDER with
: 01 No 800 D/D Motor operated ACB with overload/short circuit protection
: 01 No (0-500) Volt Voltmeter (96 sq.mm)
: 01 No Voltmeter selector switch
: 01 No (0-800A) Ammeter (96 sqmm)
: 01 No Ammeter selector switch
: 03 Nos (1000/5A) 5VA Metering CTs.
: 03 Nos RYB indicating Lamps.
: 01 Set of Control Fuse units.
: 01 No Energy Meter shall be provided
: 01 No Earth fault relay.

Digital Energy Meter with maximum demand for each outgoing feeder should be provided



OUT GOING

400 AMPS TPN MCCB	:	02 Nos
200 AMPS TPN MCCB	:	02 Nos
100 AMPS TPN MCCB	:	03 Nos

CAPACITOR

Cubical type switch board comprising all the equipment's including 20 KVAR Capacitor its associated control switch and inter connection wiring mounting etc... shall be provide as per IE.

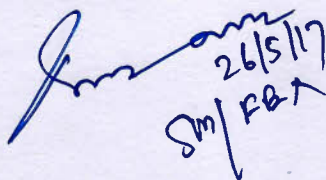
Separate 63 Amps, 3 Phase MCB should be provided for capacitor.

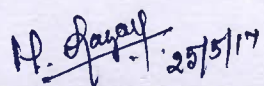
SPECIAL NOTE:

1. SDFU denotes switch Disconnecter Fuse Unit.
2. Drawing and Quality Plan should be submitted for approval.
3. For outdoor panel sheet should be used as given below
 - a) SHELL (BODY) – 2.5 mm
 - b) Door and other load bearing members – 2.0 mm
 - c) Base frame – 3 mm
4. Extended Bus bars should be provided for 400A,200A&100A outgoing feeder terminals with accessories like DMC support, fasteners & sleeving.
5. ACB, MCCB'S, Ammeter, Voltmeter, O/L, S/C & E/F Relay etc... should be presumed make only.
6. (110V) DC supply point for operation of the circuit breaker and protection shall be taken from power pack (110V DC).This is to ensure the operation of breaker in case of power supply failure. (2 open 2 close operations).

ALL THE ABOVE SWITCH BOARDS ARE COMPLETELY PREWIRED WITH SUITABLE SIZE COPPER INTER CONNECTIONS, CONTROL WIRING, DOUBLE EARTHING, CONTROL FUSES etc... CONFIRMING TO CEIG REGULATIONS.

NOTE: QUALITY PLAN HAS TO BE ATTACHED BY THE VENDOR ALONG WITH THEIR OFFER.


26/5/17
Sm/ RBA


25/5/17
SENIOR ENGINEER / FEX