

LEGEND:		
SR.NO.	SYMBOL	DESCRIPTION
1)		CIRCUIT BREAKER
2)		MOULDED CASE CIRCUIT BREAKER
3)		CT- CURRENT TRANSFORMER (FIGURE INDICATES QUANTITY)
4)		DIGITAL ENERGY METER INDICATING TRUE RMS VALUE OF THREE VOLTAGES, THREE CURRENTS, THREE POWER FACTORS, FREQUENCY IN HZ, KVA, KW, KVAR, KVAH, KVARH, KWH, DEMAND, WITH RS485 PORT & SOFTWARE.
5)		INDICATING LAMP [CLUSTER LED] R-RED (R PHASE 'ON' / BREAKER 'ON') Y-YELLOW (Y PHASE 'ON') B-BLUE (B PHASE 'ON' / SPRING CHARGED) G-GREEN (BREAKER 'OFF') W-WHITE (TRIP HEALTHY) A-AMBER (BREAKER 'TRIP')
6)		AMMETER A-ANALOG, D-DIGITAL
7)		AMMETER SELECTOR SWITCH
8)		VOLTMETER A-ANALOG, D-DIGITAL
9)		VOLTMETER SELECTOR SWITCH
10)		HRC FUSE
11)		EARTHING
12)		POTENTIAL TRANSFORMER

- TECHNICAL NOTES:-**
- 1) THE PANEL SHALL BE SHEET STEEL FABRICATED, DUST & VERMIN PROOF, FULLY COMPARTMENTALIZED FUTURE EXTENDIBLE WITHOUT ANY ADAPTER PANEL REQUIREMENT, THREE PHASE, INDOOR, FLOOR MOUNTED, FREE STANDING, TOTALLY ENCLOSED, METAL CLAD SWITCHBOARD AND MAIN FRAME THICKNESS =2 MM, DOORS/COVERS THICKNESS=1.6 MM, PARTITION THICKNESS =1.6 MM, GLAND FRAME THICKNESS=3.0 MM AND BASE FRAME SIZE=75X50X6 MM.
 - 2) CABLE ENTRY/EXIT SHALL BE FROM TOP/BOTTOM AS PER SLD.
 - 3) PANEL SHALL BE PAINTED WITH EPOXY POWDER PAINT, SHADE RAL 7032 (SIEMENS GREY) SUITABLE FOR ANTI-CORROSIVE ATMOSPHERE/ CAUSTIC RESISTANT.
 - 4) BUSBAR SHALL BE SUITABLY DESIGNED NOT TO EXCEED TEMPERATURE RISE LIMITS UNDER CONTINUOUS AND SHORT TIME WITHSTAND OPERATING CONDITIONS BASED ON SITE CONDITIONS.
 - 5) CTS SHALL BE POLYESTER RESIN CAST TYPE (WINDING INSULATION OF CLASS E OR B) WITH RATIOS AND CORE QUANTITIES AS MENTIONED IN THE SLD.
 - 6) CT WIRING SHALL BE DONE WITH MINIMUM 2.5SQMM TERMINALS. CT SECONDARY TERMINALS SHALL BE DISCONNECTING TYPE WITH SUITABLE SHORTING FACILITY.
 - 7) MCCBS SHALL HAVE DOOR OPERATING HANDLES INTERLOCKED WITH THE RESPECTIVE DOOR.
 - 8) CABLE SIZES MAY BE CHANGE DURING DETAILED ENGINEERING.
 - 9) THE CONNECTION FROM BREAKERS TO MAIN BUSBAR SHALL BE THROUGH COPPER CABLES.
 - 11) MAIN ALLUMINIUM BUSBARS SHALL HAVE MAX. CURRENT DENSITY OF 0.8 A/SQ.MM & SUB BUSBAR WILL HAVE 0.8A/SQ.MM.
 - 12) ALL MOTOR FEEDER SHALL BE AS PER TYPE-2 COORDINATION.
 - 13) IN BUILT EARTH FAULT PROTECTION IN MCCB SHALL ALSO BE ACCEPTABLE.

No.	DATE	ISSUE/ REVISION
2	20.07.2024	REVISED LAYOUT FOR TENDER
1	10.07.2024	REVISE LAYOUT FOR TENDER
0	30.05.2024	FOR TENDER

DRAWING NOTES:

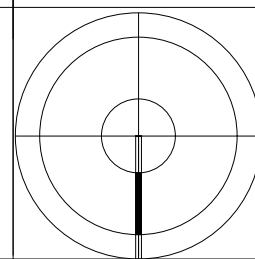
1. THIS DRAWING SHALL BE REFERRED FOR TENDER ONLY.

MEP CONSULTANT:



902 KAMDHENU BUSINESS BAY, NEAR INFINITY BMW SHOW ROOM NAVI MUMBAI, MAHARASHTRA, 400706. INDIA

una



TENDER DRAWINGS NOT FOR CONSTRUCTION

I I T BOMBAY: JALVIHAR GUEST HOUSE
POWAI, MUMBAI - 400 076, INDIA

UPENDRA NAYAK & ASSOCIATES
ARCHITECTS. INTERIOR DESIGNERS
1, SULBHA NIWAS. DILIP GUPTA MARG. MAHIM. MUMBAI 400016
TEL: 24458473 FAX:24446223

DATE: 20.07.2024 SCALE: NTS DRAWN BY: T.S.

R2