TENDER DOCUMENT

NIT No. DLI/C&E/ WI-665/522

FOR


VOLUME – 2C
(Tender Drawings)

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT. OF INDIA ENTERPRISE)
Core-3, Scope Complex, 7, Lodhi Road, New Delhi-110003
TEL NO: 011-24361666 FAX NO. 011- 24363426
NOTES:

1. MCCB for I/C, B/C & O/G Feeder shall be Microprocessor based O/L, S/C, E/F Protection.
2. 4 Nos. Welding Socket to run at a time has been considered for W.T. Area.
3. Single Front Metal Clad shall be compartmentalized indoor type.
5. Ammeter shall be of 144 x 144 mm size for all I/C, B/C & O/G feeders.
6. All other spec. as per TS / GTS.
7. 100 A Welding Socket shall be fed from one out going Feeder.
8. All out going cables shall be 3² or 4² cables.
9. Nomenclature of PDB – 2 has been changed to PDB – 2B2 and one no. PDB has been added for area repair shop i.e. PDB – 2B1.
10. Some loads of PDB – 2 has been shifted to PDB – 1B.
11. Voltmeter (size 96 x 96 M) shall be provided for I/Cs & B/C.
12. Electrical interlock & Mechanical interlock (through castle key) between I/C & B/C shall be provided.
13. Max demand indicated in SLD is meant for transformer sizing calculation. However, the I/C cable shall be selected as per I/C ACB / MCCB rating.
14. In case of missing of any welding socket / Feeder for crane / hoist the SLD shall be suitably revised.
15. CT & Ammeter shall be provided for all O / G feeder.
3φ, 415V, 50Hz, PDB-1A
NON DRAW OUT TYPE
MAX. DEMAND 100kW.

415V, 3φ-N, 50Hz, 630A, 50ka FOR 1 SEC. FAULT LEVEL, AL BUS BAR SEC-1

WELDING SOCKET
WELDING SOCKET LOOP - 1
WELDING SOCKET LOOP - 2
WELDING SOCKET LOOP - 3
WELDING SOCKET LOOP - 4
SPARE
ELECTRIC FUSE

FROM PCC - 1A
V/C - 1

630A/690V CL-1.0
630A, 50ka MCCB
(MICROPROTECTOR BASED
O/L,L/L,C/C/L/L RELEASE)

FROM PCC - 1A
V/C - 2

630A/690V CL-1.0
630A, 50ka MCCB
(MICROPROTECTOR BASED
O/L,L/L,C/C/L/L RELEASE)

Z - SERIES

NOTES
3ϕ 415V, 50Hz, PDB-2B1
NON DRAW OUT TYPE
MAX. DEMAND: 80.69 kW

FROM PCC - 2B

415V, 3ϕ-N, 50Hz, 630A, 50kA FOR 1 SEC. FAULT LEVEL, AL. BUS BAR SEC-I

FROM PCC - 2B

415V, 3ϕ-N, 50Hz, 630A, 50kA FOR 1 SEC. FAULT LEVEL, AL. BUS BAR SEC-II

Z - SERIES

WHI SLD FOR PDB AREA REPAIR SHOP (P28 - 281)
415V 50HZ PDB-2B2
NON DRAW OUT TYPE
MAX. DEMAND. 61.64 KW

FROM PCC - 2B

415V, 36-N, 50Hz, 630A, 50kA FOR 1 SEC. FAULT LEVEL AL BUS BAR SEC-I

415V, 36-N, 50Hz, 630A, 50kA FOR 1 SEC. FAULT LEVEL AL BUS BAR SEC-II

EPI-BSP-061-03-BE-03015

MECON LIMITED

A Government of India Enterprise

Bhilai Steel Plant, Bhilai, Chhattisgarh

Handling Facilities with New OHP, Part-B

AUGMENTATION OF RAW MATERIAL RECEIPT & DRG. NO.

BSP-EPI-01-061-01-013-29-BE-03015

Z - SERIES

SLD FOR PDB-282 (LTSS-2)
415V, 50HZ, PDB-3
NON DRAW OUT TYPE
MAX DEMAND 6.6 KW

415V, 3p-N, 50Hz, 630A, 50kA FOR 1 SEC FAULT LEVEL, AL BUS BAR SEC-I

WELDING SOCKET LOOP - 40
WELDING SOCKET LOOP - 41
WELDING SOCKET LOOP - 42
WELDING SOCKET LOOP - 43
WELDING SOCKET LOOP - 44
WELDING SOCKET LOOP - 45
WELDING SOCKET LOOP - 46
WELDING SOCKET LOOP - 47
WELDING SOCKET LOOP - 48
WELDING SOCKET LOOP - 49
WELDING SOCKET LOOP - 50
WELDING SOCKET LOOP - 51
ELECTRIC HOIST 3.5 kW
ELECTRIC HOIST 3.5 kW
SPARE FEEDER
SPARE FEEDER

415V, 3p-N, 50Hz, 630A, 50kA FOR 1 SEC FAULT LEVEL, AL BUS BAR SEC-II

WELDING SOCKET LOOP - 40
WELDING SOCKET LOOP - 41
WELDING SOCKET LOOP - 42
WELDING SOCKET LOOP - 43
WELDING SOCKET LOOP - 44
WELDING SOCKET LOOP - 45
WELDING SOCKET LOOP - 46
WELDING SOCKET LOOP - 47
WELDING SOCKET LOOP - 48
WELDING SOCKET LOOP - 49
WELDING SOCKET LOOP - 50
WELDING SOCKET LOOP - 51
ELECTRIC HOIST 3.5 kW
ELECTRIC HOIST 3.5 kW
SPARE FEEDER
SPARE FEEDER

BLD FOR PDB-3 (LTBS-3)
415V, 50Hz, PDB-4
NON DRAW OUT TYPE
MAX. DEMAND. 21.32kW

FROM PCC - 4

415V, 3w-N, 50Hz, 630A, 50kA FOR 1 SEC. FAULT LEVEL, AL BUS BAR SEC-1

FROM PCC - 4

415V, 3w-N, 50Hz, 630A, 50kA FOR 1 SEC. FAULT LEVEL, AL BUS BAR SEC-1

L - SERIES

BLD FOR PDB-4 (LTBP-4)
3Ø 415V, 50Hz PDB-6
NON DRAW OUT TYPE
MAX DEMAND 5.16 KW.

FROM EXISTING LTSS - 4

FROM EXISTING LTSS - 4

415V, 3Ø-4, 50Hz, 400A, 200A FOR 1 SEC. FAULT LEVEL AL BUS BAR SRC-4

415V, 3Ø-4, 50Hz, 400A, 200A FOR 1 SEC. FAULT LEVEL AL BUS BAR SRC-II

HANDLING FACILITIES WITH NEW OHP, PART-B
AUGMENTATION OF RAW MATERIAL RECEIPT &
3φ, 415V, 50Hz, SUB PDB - 2
MCP ROOM CONV 9C1/C2
NON DRAW OUT TYPE
MAX. DEMAND 6.6 KW

415V, 3φ-N, 50Hz, 400A, 50ka FOR 1 SEC. FAULT LEVEL AL. BUS BAR SEC-I

WELDING SOCKET LOOP - 33
WELDING SOCKET LOOP - 34
WELDING SOCKET LOOP - 35
WELDING SOCKET LOOP - 36
WELDING SOCKET LOOP - 37
SPARE
SPARE
WELDING SOCKET LOOP - 38
WELDING SOCKET LOOP - 39
ELECTRIC HOST 7.5, 5.5 kw
ELECTRIC HOST 7.5, 5.5 kw
ELECTRIC HOST 7.5, 5.5 kw
3φ, 415V, 50Hz, SUB PDB - 1 ELECTRICAL AREA REPAIR SHOP
NON DRAW OUT TYPE
MAX. DEMAND 30 KW

415V, 3φ-N, 50Hz, 250A, 50ka FOR 1 SEC. FAULT LEVEL, AL. BUS BAR SEC-I

WELDING TRANSFORMER
WELDING TRANSFORMER
TESTING MOTOR
COLUMN DRILL 0.75 KW
A/C
POWER HACKSAW 1.2 KW
SPARE
SPARE FEEDER