TENDER DOCUMENT

NIT No.- DLI / C&E / WI-675 / 504

FOR

Tender for Design, Engineering, Manufacturing, Testing, Inspection at works, Supply, Supervision of Testing and Commissioning of “5 (Five) Nos. 3Ph.-N 415V Conventional Non draw out type MCC & Associated works” for the project of “Augmentation of Fuel & Flux Crushing Facilities (Package-064) at Bhilai Steel Plant, SAIL”

VOLUME – 2C

DRAWING LIST

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

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NOTES:

1. ACB WITH RELAY SHALL BE USED FOR MD MORE THAN 630A.
2. I/C & B/C SHALL HAVE ELEC. & MECH. INTERLOCK (THROUGH CASTLE KEY).
3. TYPE 2 CO-ORDINATION SHALL BE FOLLOWED FOR MCC/MPCB & O/L RELAY.
4. MFDM SHALL BE COMMUNICABLE TYPE.
5. EOLR SHALL BE PROVIDED AS PER GTS/TS.
6. MCC SHALL BE PROVIDED WITH 20% SPARE FEEDERS OR ONE OF EACH TYPE WHOEVER IS HIGHER WITH MIN. TWO NOS. IN EACH SEC.
7. FOLLOWING SHALL BE CONSIDERED:
   A. VOLTAGE 415V ±10%–15%, 50HZ ±4% –6% S/C 50KA/1SEC.
   B. MOTOR RATED 37KW & ABOVE SHALL BE PROVIDED WITH AMMETER IN LCS WITH INTER POISING CT.
   C. SPACE HEATER FOR MOTOR FEEDERS OF 45KW & ABOVE SHALL BE PROVIDED. IT SHALL BE THROUGH SEPARATE MCB & INTERLOCK.
   D. ALL MOTOR ABOVE 75KW SHALL HAVE SOFT STARTER.
   E. IP CLASS OF PANEL- IP54
9. AS THE LOAD OF VARIOUS TECH. BUILDING & DE/ WATER SUPPLY SYSTEM ARE TENTATIVE. THE SLD SHALL BE REVISED AS PER THE APPROVED LOAD & DETAIL ENGINEERING.
10. RATING OF POWER CONTRACTOR SHALL BE AS PER GTS.
11. WE HAVE CONSIDERED 2 NOS. 400 AMP PS FEEDER FOR EMPLOYER USE IN CONV. MCC 4 (LT3-4).
12. THE RATING OF MPCB/MCCB /O/L MAY VARY AS PER THE DIFFERENT MANUFACTURER.
# Legend

<table>
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<tr>
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<tr>
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## Note

- These drawings shall be read in conjunction with block diagram for power distribution.
415V CONV MCC-2 (LTSS-2)
NON DRAWOUT TYPE
MAXIMUM DEMAND
163.74KW
216.16KVA

415V, 380V, 60Hz, 50Hz, 50Hz 60Hz 50Hz FOR I SEC FAULT LEVEL AL BUS BAR SECTION - I

415V, 380V, 60Hz, 50Hz, 50Hz 60Hz 50Hz FOR I SEC FAULT LEVEL AL BUS BAR SECTION - II

APPROVED
Sight: A C M 9/14
Date: 25 JUN 2014
For MECON LIMITED

CSP AREA

...
415V CONV. MCC-4
NON DRAWSAT TYPE
MAXIMUM DEMAND
124.16 KW
146.06 KVA

415V, 3P, N, 3PH, 1000A, 50A FOR I SEC FAULT LEVEL A
BUS BAR SECTION - I

415V, 3P, N, 3PH, 1000A, 50A FOR I SEC FAULT LEVEL A
BUS BAR SECTION - II

APPROVED

25 JUN 2014

For MECON LIMITED
Ranchi-834002

C - LINE AREA

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C-LINE

For MECON LIMITED
Ranchi-834002

C - LINE AREA

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