TENDER DOCUMENT

NIT No.: DLI/C&E/WI-665/286

FOR

Tender for ‘Design, Engineering, Supply, installation, testing and commissioning of MVWS & IG-541 TYPE FIRE PROTECTION WITH FDA PACKAGE AND ASSOCIATED WORKS’ for the project of “Augmentation of Raw Material Handling Receipt and Handling facilities with new OHP Part-B (Package- 061) of Bhilai Steel Plant, (SAIL)’.

VOLUME – 2C

DRAWING LIST

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NOTES:

1. ALL NECESSARY PIPING, VALVES, FITTINGS & ACCESSORIES FOR THE COMPLETE
   MVWS TYPE FIRE FIGHTING SYSTEM BEYOND THE TERMINAL POINT ARE INCLUDED
   IN THE SCOPE OF EPI.

2. ALL PIPELINES SHALL BE LAY OVER GROUND.

3. PIPE WORK INCLUDING PIPE SPECIFICATION, LAYING, CROSSING UNDER ROAD
   AND RAIL, SURFACE PROTECTION, PROVISIONS OF DRAINS AND VENTS SHALL
   BE AS PER CONTRACT AND GTS-2.

4. MINIMUM EARTH COVERING OVER THE PIPE SHALL BE 1200 MM FROM THE
   FINISHED GROUND LEVEL.

5. WHEREVER THE BURIED PIPELINES ARE CROSSING THE ROADS AND TRACKS,
   THEY SHALL BE SUITABLY ENCASED WITH MILD STEEL PIPES AND THE DIFFERENT
   SIZES OF ENCASING PIPES SHALL BE AS PER GTS.

6. PIPE SIZES SHALL BE FINALIZED AS PER APPROVED HYDRAULIC CALCULATIONS
   SUBJECT TO APPROVAL OF BSP / MECON.

7. ALL BOUGHT OUT ITEMS SHALL CONFORM TO THE PURCHASER'S APPROVED
   MAKES.

8. MVWS TYPE FIRE PROTECTION AND FDA SYSTEM SHALL BE AS PER TECHNICAL
   SPECIFICATION AND SYSTEM REQUIREMENT.

9. FOR MVWS SYSTEM IN CABLE GALLERIES, THE PROTECTED AREA SHALL BE
   DIVIDED INTO SEVERAL ZONES, EACH OF WHICH SHALL BE FEED BY INDIVIDUAL
   DELUGE VALVE. IN EVENT OF FIRE, WATER SHALL BE SPRAYED ON THE ZONE
   CONCERNED (I.E ZONE UNDER FIRE) ALONG WITH PRECEDING AND SUCCEEDING
   ZONES. ZONE LENGTHS FOR CABLE GALLERIES SHALL BE 30M.

10. FOR LAYING OF BURIED PIPELINES EARTH WORK IN EXCAVATION, BACK FILLING
    AND ACCEPTANCE OF TRENCHES ETC. SHALL AS PER IS: 5822-1994 AND IS:
    OF UNDERGROUND MS PIPELINES SHALL CONFORM TO IS: 10221-1982. THE SEQUENCE
    OF ACTIVITIES FOR ANTICORROSIVE PROTECTION OF PIPELINES SHALL BE AS PER
    GTS.

11. TAKE OVER POINT (TOP) SHALL BE MADE AVAILABLE AT THREE POINTS FOR MVWS
    SYSTEM. TOP SHALL BE PROVIDED AT NEAREST AVAILABLE SOURCE IRRESPECTIVE
    OF WITHIN 100 - 150 METRES AS MENTIONED IN THE CONTRACT BY PROVIDING
    2-WAY / 3-WAY VALVES.