TENDER DOCUMENT

NIT No.: DLI/C&E/WI-665/285

FOR

Tender for ‘Design, Engineering, Supply, installation, testing and commissioning of ‘FIRE HYDRANT TYPE FIRE FIGHTING 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

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
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NOTES:
1. ALL NECESSARY PIPING, VALVES, FITTINGS & ACCESSORIES FOR THE
   COMPLETE FIRE HYDRANT SYSTEM BEYOND THE TERMINAL POINT ARE
   INCLUDED IN THE SCOPE OF BIDDER.
2. ALL PIPELINES SHALL BE LAID 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 NO. DTS-2.
4. HYDRANTS SPECIFICATION AND SCOPE OF SUPPLY INCLUDING HOSE
   BOX, NOZZLE ETC. SHALL CONFORM TO CONTRACT.
5. MINIMUM EARTH COVERING OVER THE PIPE SHALL BE 1200 MM FROM
   THE FINISHED GROUND LEVEL.
6. WHEREVER THE BURIED PIPELINES ARE CROSSING THE ROADS AND
   TRACKS, THEY SHALL BE SUSTAINED ENGAGED WITH MILD STEEL PIPES
   AND THE DIFFERENT SIZES OF CROSSING PIPES SHALL BE AS PER GTS.
7. PIPE SIZES SHALL BE FINALIZED AS PER APPROVED HYDRAULIC
   CALCULATIONS SUBMITTED TO APPROVAL OF BSS / MECON.
8. ALL BUGHTOUT ITEMS SHALL CONFORM TO THE PURCHASERS
   APPROVED MAKES.
9. INTERNAL HYDRANTS SHALL BE PROVIDED ON ALL THE FLOORS OF
   BUILDINGS, JUNCTION HOUSE, OFFICE BUILDING, OTHER PROCESS
   BUILDINGS ETC.
10. FIRE PROTECTION SYSTEM SHALL BE AS PER TECHNICAL SPECIFICATION
    AND SYSTEM REQUIREMENT.
11. FOR LAYING OF BURIED PIPELINES EARTH WORK IN EXCAVATION,
    BACK FILLING AND ACCEPTANCE OF TRENCHES ETC. SHALL AS PER IS:
    AND ANTI-CORROSIVE PROTECTION OF UNDERGROUND PIPELINES SHALL
    BE AS PER BSS.
    ANTI-CORROSIVE PROTECTION OF UNDERGROUND MS PIPELINES SHALL
    BE AS PER GTS.
    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.
12. TAKE-OVER POINT (TOP) SHALL BE MADE AVAILABLE AT THREE POINTS
    FOR HYDRANT SYSTEM. TOP SHALL BE PROVIDED AT NEAREST
    AVAILABLE SOURCE APPROXIMATELY WITHIN 100 - 150 METERS BY
    PROVIDING 2-WAY / 3-WAY VALVES.
13. ISOLATION BALL VALVES 25 MM
    BUTTERFLY / SLUICE VALVE
    YARD HYDRANT
    JH-Z7A
    JH-Z10A
    LTSS- 2 BLDG.
    OFFICE BLDG.
    JH-Z6A
    JH-Z6B
    JH-Z7
    JH-Z7A
    JH-Z7B
    JH-Z1
    WAGON TIPPLER
    JH-Z4B
    JH-Z5B
    JH-Z4
    JH-Z3
    BIDDER
    SCOPE
    BIDDER
    SCOPE
    MCP ELECTRICAL
    STORE
    PUMP HOUSE-3
    JH-14
    JH-20
    JH-15
    JH-16A
    JH-17A
    JH-42A
    DESPATCHER - D5
    DESPATCHER - D2
    LTSS- 5 BLDG.
    LTSS- 4 BLDG.
    LTSS- 3 BLDG.
    PUMP HOUSE-3
    EXISTING
    PUMP HOUSE-2
    JH-L1
    JH-L2
    JH-L3
    JH-L5
    JH-L6
    JH-L7
    JH-L8
    JH-L9
    CONV. L1C1
    CONV. L8C1
    GALLERY OF
    BIDDER
    SCOPE
    BIDDER
    SCOPE
    BIDDER
    SCOPE
    BIDDER
    SCOPE
    REFER DETAIL "A"
    REFER DETAIL "A"
    REFER DETAIL "B"
    REFER DETAIL "B"

S. No. | SYMBOL | DESCRIPTION | POSITION
--- | --- | --- | ---
1. | BUTTERFLY / SLUICE VALVE | | |
2. | BELLOVER | | |
3. | COCK VALVE | | |

7.0 MTPA EXPANSION
BHILAI STEEL PLANT, BHILAI, CHHATTISGARH
MECON LIMITED

SYMBOL
BSP- EPI- 061- 01- 012- 32- BE- 02132A (Tender)
EPI- BSP- 061- 01- BE- 02132A (Tender)

DESCRIPTION
AUGMENTATION OF RAW MATERIAL RECEIPT & HANDLING FACILITIES WITH NEW OHP, PART- B
FOR WATER BASED FIRE PROTECTION SYSTEM
FOR FIRE PROTECTION SYSTEM
FOR WATER BASED FIRE PROTECTION SYSTEM