TENDER DOCUMENT

NIT No.: DLI/C&E/WI-665/299ERW

FOR

Tender for Supply of ‘ERW BLACK & GIPIPES’ for the project of “Augmentation of Raw Material Handling facilities with new OHP Part-B (Package- 061) of Bhilai Steel Plant, (SAIL)’’.

VOLUME – 2B

TECHNICAL SPECIFICATION

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## VOLUME - 2B

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1.0 **Technical Specifications of Pipes**

The scope includes Supply of various pipes which includes Inspection at Manufacturer’s Premises, Transportation & delivery to site and handing over to Bhilai Steel Plant, SAIL / EPI of ‘ERW BLACK & GI PIPES’ as per specifications defined in tender documents as below;

1.1 **PIPE MATERIAL FOR DUST SUPPRESSION WATER LINE:**

Water piping up to 150 mm NB size will be GI, ERW, heavy class and conforming to IS-1239 Part- 1 & Pipe Ends will be suitable for fittings having IS 1239, Part-2.

1.2 **PIPE MATERIAL FOR AIR LINE OF DFDS SYSTEM:**

IS 1239 heavy class, ERW, G.I pipe line shall be used in the compressed air line of DFDS system & Pipe Ends will be suitable for fittings having IS 1239, Part-2.

1.3 **PIPE MATERIAL FOR SERVICE, COOLING & DRINKING WATER LINE:**

A) **Carbon Steel Pipes DN 65 to DN150 as per IS:1239-1990(R.A.-2004):**

| End condition | 1.0 Compressed Air System ≤50NB | IS 1239 Black, Carbon Steel, Heavy Grade | Plain End |
| End Type      | >65NB | IS 1239 Black, Carbon Steel, Heavy Grade | Bevel End |

1.4 **PIPE MATERIAL FOR COMPRESSED AIR PIPELINE SYSTEM:**

**Specification of Pipes**

<table>
<thead>
<tr>
<th>SI</th>
<th>Service</th>
<th>Size</th>
<th>Pipes</th>
<th>End Type</th>
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<tr>
<td>1.0</td>
<td>Compressed Air System</td>
<td>≤50NB</td>
<td>IS 1239 Black, Carbon Steel, Heavy Grade</td>
<td>Plain End</td>
</tr>
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<td></td>
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</tr>
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</table>
DATA SHEETS
2.0 **TECHNICAL DATA SHEET** (To be filled by the vendor)

2.1 **PIPE MATERIAL FOR DUST SUPPRESSION WATER LINE:**

- Material of Pipe
- Pipe Standard
- Class of Pipe
- Thickness of Pipe material
- Make of pipe
- Maximum Recommended Operating temperature
- Maximum Recommended Operating temperature

2.2 **PIPE MATERIAL FOR AIR LINE OF DFDS SYSTEM:**

- Material of Pipe
- Pipe Standard
- Class of Pipe
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Pipe Standard : 
Class of Pipe : 
Thickness of Pipe material : 
Make of pipe : 
Maximum Recommended Operating temperature : 

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