TENDER DOCUMENT

TENDER NO.: DLI/C&E/WI-675/294

FOR

Tender for Design, Engineering, Supply and Supervision of Installation, Testing & Commissioning of “Bin Vibrators & Associated Works” for the project of “Augmentation of Fuel and Flux Crushing Facilities (Package No. 064) of Bhilai Steel Plant (SAIL)”

VOLUME – 2B

TECHNICAL SPECIFICATION
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GENERAL

The following Technical Specification shall be read in conjunction with General Technical Specification (GTS) of Bhilai Steel Plant, SAIL and General Specification. If there are any provisions in this Technical Specification, which are at variance with the provisions of General Technical Specification (GTS) of Bhilai Steel Plant, SAIL and General Specification, the provisions in this Technical Specification shall take precedence.

1.0 DOCUMENTS/INFORMATION TO BE FURNISHED ALONG WITH OFFER

(i) Clear Scope of supply.
(ii) Exclusions, if any.
(iii) List with unit rates of special tools and tackles, if any required.
(iv) Price Schedule for supply and supervision as per the format enclosed.
(v) Weight of the Bin Vibrators in Kgs.
(vi) Catalogues/Leaflets and O&M Manuals.
(vii) Reference list of your Customers for the similar supply of items.
(viii) Un-priced Copy of supply & supervision (Furnish un-priced copy of Price Schedule along with the Technical Bid in Envelope 1).
2.0 **SCOPE OF SUPPLY**

The scope of the supply includes Design, engineering, manufacture, shop fabrication, assembly, testing and inspection at manufacturer’s works, packing, dispatch, transportation, delivery at site, supervision of installation, testing & commissioning, performance guarantee testing, final painting and handing over to Bhilai Steel Plant, SAIL/EPI of ‘Bin Vibrators & Associated Works’ as per specifications and scope defined in tender documents complete with all accessories, which are not mentioned specifically but are required for the efficient and trouble free operation of the equipment.

a) **Following items are also included in bidder’s scope**

(i) Bin Vibrators shall be selected as per the details of Bin/Bunker given in the specifications.

(ii) Special tools & tackles, if any required.

(iii) Painting of equipment as per Clause no. 5 of Vol. 2A.

(iv) All drawings/documents along with operation and maintenance manuals as per requirement mentioned elsewhere in the tender document.

(v) Getting approval of GA Drawings related to Bin Vibrators from BSP/MECON/EPI.
### 3.0 TECHNICAL DATA FOR BIN VIBRATORS

<table>
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<tr>
<th>Bunker Location</th>
<th>Plate Thickness &amp; MOC of Bunker</th>
<th>Thickness &amp; Type of Liner in Bunker</th>
<th>Material being Handled</th>
<th>Lump Size of Materials</th>
<th>Qty. of Bin Vibrators</th>
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<tr>
<td>Coke Breeze Screening Building</td>
<td>10mm Thk. Cast Steel</td>
<td>For Vertical Portion-25mm Thk. Poly Urethane For Conical Portion-8mm Thk. SS-409</td>
<td>Coke</td>
<td>3mm</td>
<td>2 Nos.</td>
</tr>
<tr>
<td>Coke Breeze Grinding Building</td>
<td>10mm Thk. Cast Steel</td>
<td>For Vertical Portion-25mm Thk. Poly Urethane For Conical Portion-8mm Thk. SS-409</td>
<td>Coke</td>
<td>25mm</td>
<td>4 Nos.</td>
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<tr>
<td>Flux Crushing Building (for RSC L106)</td>
<td>12mm Thk. Cast Steel</td>
<td>For Vertical Portion-25mm Thk. Poly Urethane For Conical Portion-10mm Thk. SS-409</td>
<td>Limestone &amp; Dolomite</td>
<td>50mm</td>
<td>2 Nos.</td>
</tr>
<tr>
<td>Flux Crushing Building (for RSC L118)</td>
<td>12mm Thk. Cast Steel</td>
<td>For Vertical Portion-25mm Thk. Poly Urethane For Conical Portion-10mm Thk. SS-409</td>
<td>Limestone &amp; Dolomite</td>
<td>15mm</td>
<td>2 Nos.</td>
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- Moisture of material to be handled is 15% maximum.
- For Dimensions & Volume of Bunkers, kindly refer respective GA Drawings attached in Vol-2C.