

**TENDER NO.: MGVCL/MM /1092/2018-19/CPP/MS Beam****ANNEXURE- B****[SUBMIT ALONG WITH TENDER TECHNICAL BID]****GUARANTEED TECHNICAL PARTICULARS OF BEAMS OFFERED BY THE TENDERER  
FOR M.S.BEAM 150X150MM - 13 mtr. long**

| Sr. No. | Particulars                                                     | Unit                                | Requirement as per DGVCL's specification | Offered by the tenderer (to be filled in by tenderer) |
|---------|-----------------------------------------------------------------|-------------------------------------|------------------------------------------|-------------------------------------------------------|
| 1       | Designation - M.S.BEAM                                          | MM X MM                             | 150 X 150                                |                                                       |
| 2       | Weight per Meter Length (W)<br>(i.e. Sectional Weight - Kg/Mtr) | Kg.                                 | 34.60                                    |                                                       |
| 3       | Sectional Area (a)                                              | Cm <sup>2</sup>                     | 44.08                                    |                                                       |
| 4       | Depth of Beam (h)                                               | MM                                  | 150.00                                   |                                                       |
| 5       | Width of Flange (b)                                             | MM                                  | 150.00                                   |                                                       |
| 6       | Thickness of Flange (Tf)                                        | MM                                  | 9.00                                     |                                                       |
| 7       | Thickness of Web (Tw)                                           | MM                                  | 11.80                                    |                                                       |
| 8       | Slope of Flange (D)                                             | Degree                              | 94°                                      |                                                       |
| 9       | Radius at Root (r1)                                             | MM                                  | 08.00                                    |                                                       |
| 10      | Radius at Tow (r2)                                              | MM                                  | 4.00                                     |                                                       |
| 11      | Moment of Intertia.<br>[i] Ixx<br>[ii] Iyy                      | Cm <sup>4</sup><br>C m <sup>4</sup> | 1640.00<br>495                           |                                                       |
| 12      | Radius of Gyration - GRxx<br>[i] rxx<br>[ii] ryy                | Cm                                  | 6.09<br>3.35                             |                                                       |
| 13      | Section Modulii<br>[i] Zxx<br>[ii] Zyy                          | Cm <sup>3</sup><br>Cm <sup>3</sup>  | 218.10<br>63.20                          |                                                       |
| 14      | Tolerance in Dimensions<br>(i.e. Rolling Tolerance)             | ±                                   | As per<br>IS : 1852                      |                                                       |
| 15      | Length of Beam                                                  | MTR.                                | 13.00                                    |                                                       |
| 16      | Tolerance on Length                                             | MM                                  | ± 150                                    |                                                       |
| 17      | Any other Particulars.                                          | -- --                               | -- --                                    |                                                       |

Signature of the Tenderer

Date

Place

Company Round Seal