

रेल डिब्बा कारखाना, कपूरथला

MD44121

Date: 10.02.2022

Sub: M&P requirement for manufacture of Centering Disc to PL No. 33500605.

Ref: Dy.CME/DP letter no. MD34331 dated 09.02.2022.

There is no STR available for Centring Disc to PL No. 33500605. Minimum infrastructural requirement for this item is given below and same may be used for CCA purpose:

| # | Description of Infrastructure | Requirement |
|----|---|--------------------|
| 1 | Band Saw / Billet shearing machine/ pantograph type Plasma profile | In house |
| 2 | Furnace for heating the round bars/billets etc. | |
| 3 | At least one drop hammer with minimum capacity of 1.5 Ton | |
| 4 | Heat Treatment Furnace | |
| 5 | CNC Lathe of suitable capacity | |
| 6 | Hand Grinder | |
| 7 | Shot/Grit blasting facilities | |
| 8 | Primer / Painting facility | |
| 9 | Levelled surface plate of size 500 mm X 500 mm | |
| 10 | Vernier caliper of range 0-300 mm | |
| 11 | Micrometer of range 0-25 mm | |
| 12 | Set of Radius gauge, Surface finish comparators | |
| 13 | DFT meter | |
| 14 | Compressor with 5HP Blower | |
| 15 | Metallurgical microscope of standard make having 1000X magnification and with photographic attachment | |
| 16 | Spectrometer for chemical analysis | |
| 17 | Universal Testing machine of 40t capacity with load/ deflection plotting arrangement to conduct UTS, Yield strength. | |
| 18 | Impact testing machine to conduct Izod test | In house or Tie-up |
| 19 | BHN testing machine with necessary standard test pieces. The hardness testing machine shall have capacity to apply 3000 kgs load on one test specimen | |
| 20 | Magnetic particle testing machine | In house |
| 21 | Dye penetrant test facilities | In house |

May kindly permit use of above for assessing firm in CCA.

SME/S&BD

Dy.CME/DP

CDE

SSE/BD