

**SCOPE OF WORK**

- 1. Scope:**
    - 1.1 The input material i.e. Forging of Driving Gear to Drg No. : 175-45-004/F to be manufactured by the firm itself.
    - 1.2 Manufacturing and supply of rough machined Driving Gear forging To Drg No. **118-DRIVE GEAR-3399**
  - 2. Inspection:**
    - 2.1 Before commencement of rough machining, Firm has to intimate MPF about readiness of forging lot and got it accepted by MPF inspection team at firm premises. However, final acceptance will be only after inspection of all parameters at MPF.
    - 2.2 Minimum Five nos. pilot sample of final product to be offered for inspection to MTPF and must be accepted by MTPF before BULK PRODUCTION by firm.
    - 2.3 The firm should ensure that item machined by them is as per drawings 175-45-004/F and **118-DRIVE GEAR-3399** and scope of work provided by MTPF.
    - 2.4 Grain flow will be checked on sampling basis at MPF and must comply with forging requirements.
    - 2.5 Documents to be submitted to MTPF along with supply:
      - i. Pre-inspection report of all important dimensions.
      - ii. Chemical and Mechanical test report from NABL Lab to comply with requirements mentioned in 175-45-004/F.
      - iii. Report of Grain flow.
      - iv. Firm has to submit heat treated test bar of size 350mm x 25 mm dia and 150 mm long x 15 mm dia along with each supply.
      - v. Each job should be marked in such a way that every job identified/traceable with corresponding forging Lot/Heat Number.
  - 3. Final Acceptance:**

Final inspection will be done at MTPF Ambarnath after receipt of item at MTPF.
  4. Firm may visit MTPF for any technical clarifications.
  5. Firm should ensure proper packaging and proper preservation such as applying oil (which is easily removable at MPF), so that the item is preserved till final inspection at MTPF, Ambarnath.
  - 6. Vendor Qualification criteria:**

Following main facilities are required for manufacture of Rough Machined Driving Gear:

    - 6.1 Forging Facilities:**
      - a. Forging facilities (Forging Hammer of minimum one Ton capacity).
      - b. Heating Furnace.
      - c. Heat treatment facility required for steel Forgings.
    - 6.2 Machining facilities:**
      - a. Firm should have at least 2 Nos. of centre lathe OR one no of CNC Turning centre for machining a work piece of Dia of 260 mm, Length 230 mm and weight 40 Kgs (Minimum). .
- Vendor Qualification Criteria is as below:**  
Firms having facility mentioned at Sl. No 6.1 & 6.2 above will be considered eligible.
- 7. Delivery Schedule:**

Firm to offer pilot sample within 2 months of placement of supply order. The firm has to supply ordered qty at the rate of minimum 30 Nos. per month from the date of clearance of pilot sample.

Sd-  
Jt.GM/P

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AWM/P-1

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HOS/MA-11