

SCOPE OF WORK

1. Scope:

1.1 Manufacturing and supply of Transmission Gear unit housing Assy. To Drg no : 175-45-001cbCb (Sheet 1 to Sheet 8) without phosphating and painting.

1.2 The input material i.e. Casing for Transmission Gear unit Casting Drg no : 175-45-001-Cd/C (Sheet 1 and 2) to be manufactured / arranged by the firm itself.

2. Inspection:

2.1 Minimum Two nos. pilot sample of final product to be offered for inspection to MTPF and must be accepted by MTPF before BULK PRODUCTION by firm.

2.2 Pre dispatch Inspection at firm premises will be carried out as per the Drawing no 175-45-001cbCb and 175-45-001-Cd/C by authorized representatives of General Manager, MTPF Ambarnath. Firm has to inform in writing about readiness for inspection at least two weeks in advance.

2.3 The firm should ensure that item machined by them is as per drawings and scope of work provided by MTPF.

2.4 Documents to be submitted to Pre Dispatch inspection (PDI) team :

i. Pre-inspection report of all important dimensions on measured on Co ordinate measuring machine(CMM).

ii. Pressure test acceptance report.

iii. Chemical, physical, radiography test report from NABL Lab to comply with requirements mentioned in 175-45-001-Cd/C.

iv. Test Reports of other requirements as per mentioned in Casing for Transmission Gear unit Casting Drg no : 175-45-001-Cd/C (Sheet 1 and 2) and Transmission Gear unit housing Assy. To Drg no : 175-45-001cbCb (Sheet 1 to Sheet 8) drawings to be submitted.

2.5 The dimensions of machined parts should be within the tolerance limits as mentioned in the drawings.

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 to the finish item, so that the item is preserved till final inspection at MTPF Ambarnath.

6. Vendor Qualification criteria:

Following main facilities are required for manufacture of Transmission Gear unit housing:

6.1 Casting Facilities:

a Casting facilities (Steel melting furnace of minimum 500 kgs capacity).

b Heat treatment facility required for steel castings.

c Spectrometer for testing chemical composition.

d Firm should have either its own radiographic testing facility or must produce a MOU/Tie up with suitable testing LABs for radiographic test of castings.

6.2 Machining facilities:

a. CNC Horizontal Machining Centre (Table size approx. 1250 X 1250 mm OR Axes strokes to accommodate overall casting size 1200 x 700 x 350 mm)

b. CNC Vertical Machining Centre (Table size approx. 1600 X 800 mm OR Axes strokes to accommodate overall casting size 1200 x 700 x 350 mm)

c. Firm should either have facility for CMM inspection OR must produce a MOU / Tie up with another firm having CMM facility.

Vendor Qualification Criteria is as below:

Firms having facility mentioned at Sl. No 6.1 & 6.2 above.

Or

Firms having casting facilities (mentioned at S. no 6.1 above) and MOU/tie up for machining facilities (mentioned at S.no 6.2 above)

Or

Firms having machining facilities (mentioned at S no 6.2 above) and having MOU / Tie up for casting facilities (mentioned at Sl. No 6.1 above)

Will be considered eligible.

7. Delivery Schedule: - Firm to offer pilot sample within 3 months of placement of supply order. The firm has to supply ordered qty at the rate of minimum 10 nos per month from the date of clearance of pilot sample.