

## PRE-QUALIFICATION CRITERIA

### Crank Shaft Accessory End to Drg. No 3305-07-2 (Fully Finished)

- a) The firm should have facility to manufacture the Steel forgings or should have tie up with good Forging manufacturer. The firm should produce the past records for supply of similar components.
- b) The firm should be in the field of manufacturing gears with accuracy of 10 microns each on gear tooth profile and radial run-out.
- c) The firm should have cluster of CNC Turning Centres and cluster of radial drilling machine.
- d) The firm should have broaching machine for internal splines or should have tie-up for that operation.
- e) The firm should have cluster of gear hobbing machines for making gears of module 4.
- f) The firm should have cluster of cylindrical grinding machines and one spline grinding machine.
- g) In-house heat treatment facility which includes Normalizing, Carburizing, Hardening and Shot/Sand Blasting equipment for de-scaling or tie up with outside agencies having valid ISO certification.
- h) Inspection room with proper illumination, clean work space and adequate inspection equipment (height master, surface table, bore dial gauges, Gear tooth Vernier callipers, equipment for checking Gear tooth PCD runout).
- i) The firm should have qualified and skilled man power to carry out the machining and inspection of components.
- j) The firm should have in-house inspection facility to check physical, chemical, mechanical properties of raw material, crack detection equipment or tie up with reputed NABL accredited Laboratories.

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