## PRE-QUALIFICATION CRITERIA FOR BOOSTER PUMP GEAR, (FULLY FINISHED), DRG NO. 402-43-2

a) The firm should have facility to manufacture the Steel forgings (Booster pump gear to drg No 402-43-2 (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 similar accuracy for the past 5 years.

c) Firm should have Cluster of CNC Turning Centers with suitable spindle power and Chuck size.

d) Firm should have cluster of gear hobbing machines.

e) Firm should have Cluster of cylindrical grinding machines.

f) Firm should facility for key way broaching or tie up of performing through wire cutting operation.

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 Calipers, Equipment for checking Gear tooth PCD run out).

i) Firm should have stand by power and compressed air sources

j) Firm should have enough staff/workmen with adequate technical knowledge /skills for making subject component

k) 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.

l) Firm should submit relevant test certificates, test reports, inspection report during the time of sample delivery / bulk delivery.

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