Pre-qualification criteria for TA for Induction hardening of Inlet & Exhaust Camshaft to Drg No. 307-06-4A & 307-21-1A

1. The firm shall have its own medium frequency induction hardening machine (approx ranges: 110-160KW & 9-10 KHz.
2. The firm shall have its own Tempering furnace for carrying out low tempering process.
3. The firm shall have its own metallurgical lab comprising minimum requirement of metallurgical Microscope, portable /Rockwell hardness tester for checking case depth & hardness etc., in an Induction hardened & tempered surfaces or tie-up with other lab which is having such facilities.
4. The firm shall have its own facility for MPI (Magnetic Particle Inspection) for detection of cracks in Induction Hardened & tempered surfaces.
5. The firm shall have its own buffing facility for polishing the camshafts.
6. The firm should submit the list of available plant & machineries at the time of submission of their offer.
7. The firm shall submit production/process plan for the subject component along with the machine/equipments are being used.

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