

PRE-QUALIFICATION CRITERIA FOR THE BIDDER

The vendor should have expertise and experience as evidenced by previous job executions in the design for manufacturing of precision components made of special high strength steels. The typical components are 3D profile of rotor blades, hub assembly and seals, 3D stator blades, nozzle, shafting and integration to precision fits with specific close tolerances.

Close periodic inspections of the manufactured components is important for the successful manufacture of the units required. Hence it is preferable to have local vendors with proven experience. In the present circumstances it will not be possible to conduct stage inspections in other locations. The pre-inspection is an important requisite for close control of the manufacture to our exacting requirements.

The prospective vendors should have the following expertise and experience.

1. 3D Modeling, Analysis, Reverse Engineering
2. 3D Printing in metal
3. Vacuum Casting
4. Soft Tooling
5. Injection Mold
6. CNC Machining
7. New product Development
8. Concept, design and drafting, manufacturing, erection & commissioning and testing of various mechanical systems

The prospective vendors should have experience in having executed a minimum of 5 projects for industrial companies/ clients or defence in the areas of

1. Propeller and impeller manufacture.
2. Energy related turbine manufacture
3. Injection Moulding
4. 3D Prototyping
5. Automation systems