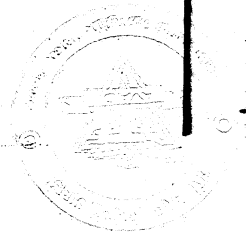


SI No.	Name of Firm & Drawing No.	Manufacturing Technology & Testing/Inspection Facilities Required to produce the Item	Must be possessed by the vendor in his premises (List of Plant and Machinery and testing/inspection facility to be submitted)	May be possessed by the vendor in his premises or may be outsourced (Name and address of sub-contractor, list of Plant and Machinery and testing/inspection facility to be submitted)	Firm Compliance (Y/N)	Remarks
1	HI-CORP 11187003cb	<p>Technology 1 DC Motor Manufacturing</p> <p>Technology 2 High speed blower assy</p> <p>Technology 3 Metal Machining and Metal forming technologies</p> <p>Test/Inspection 1 Electrical and Mechanical Testing</p>	<p>Facility for:</p> <ol style="list-style-type: none"> Winding of Stator (Concentric Coils) and Armature (Distributed Coils) with insulation and slot wedge. Varnishing and heating in oven Temperature controlled soldering <p>Facility for:</p> <ol style="list-style-type: none"> Precision assy table/surface table for rotor blades <p>The vendor should have periodically calibrated instruments measuring:</p> <ol style="list-style-type: none"> Stabilized DC power sources, 0-32V DC, 50A Measuring Instruments (Accuracy) 	<p>Sources for:</p> <ol style="list-style-type: none"> Bearing, Carbon brush, Spring, Wires as per specification <p>Sources for (Tie-up/Outsource/MoU):</p> <ol style="list-style-type: none"> Springs Gaskets and rubber items Pressure gauge <p>Facility for:</p> <ol style="list-style-type: none"> Laser cutting (sheet metal) or mechanical/servo press (100T) Brazing <p>Metal forming facility of:</p> <ol style="list-style-type: none"> Die casting for aluminum Heat treatment (Annealing, hardening, tempering) facility, Electroplating facility (Zinc plating, Chromium plating, Cadmium chromating, hot tinning, anodizing, phosphating, oxidizing, zinc chromating, chemical passivation) CNC Turning (dia: 300mm) CNC Milling (600*600mm) <p>Facility for or Tie-up/MoU for testing of:</p> <ol style="list-style-type: none"> Material chemical composition (Impurities content) Rubber Components <ul style="list-style-type: none"> Hardness Rupture Strength and elongation after rupture. 		



			<p>Class: 1.0 or better)</p> <p>Megger (insulation testing facility) 500V</p> <p>High Voltage Breakdown Test kit 0-1kV.</p> <p>Spring balance/force measurement equipment (using weights) (50kgf) for electromagnet effort measurement</p> <p>Test facility for:</p> <ol style="list-style-type: none"> Dynamic balancing of rotor (10000 RPM) Welding leak testing using air/kerosene (for cover) (pressure 0.05mpa) Pressure gauge testing (10bar) 	<p>Density</p> <p>Testing of Mechanical Properties e.g.</p> <ul style="list-style-type: none"> Tensile strength, Hardness elongation, yield strength, impact strength, cupping test, bend test, compression and load test (for springs) <p>Testing of electrical properties e.g.</p> <ul style="list-style-type: none"> dielectric strength, dissipation factor, volume resistivity, surface resistivity <p>Environmental test:</p> <ol style="list-style-type: none"> Vibration resistance tests Impact loading test High temperature tests Relative humidity tests Low temperature tests Dust test, mould growth test, tropical exposure test, rapid temperature cycling test as per specifications. 	
			<p>1. Firm should give undertaking for developing Test Facility and procure instruments as Per TY specification and/or as per Test/Inspection-1 after getting Supply Order.</p>		
			<p>Facility as per TY specification</p>		
			<p>Test/Inspection-2</p>		

If the firm is not having any particular facility mentioned in VQC and able to make the component with alternate methods, the details of methods has to be provided with proper justifications.

01 Mar
