

CASTINGS AVR

Vendor Qualification Criteria for Sand Casting & Any type of Steel Casting

<p align="center">Essential Core Competency (All supporting document proof to be submitted) (1)</p>	<p align="center">Provide details of facilities asked in Column (1) that are available in house (i.e.,(a) Self Declared P&M List[#] and (b) Testing / Inspection Equipment List[§]) (2)</p>	<p align="center">In house or Tie Up required (Tie up document proof to be submitted) (3)</p>	<p align="center">Provide details of facilities asked in Column (3) that are available in house OR Outsourced Firms [(a)Name and Address of the Sub-Contractor to be declared by the firm in Firm's letter head (b) Self Declared P&M List[#] and (b) Testing / Inspection Equipment List[§]) (4)</p>
<p>Melting: Medium frequency induction furnace / Arc furnace [Melting capacity : a) Each casting Wt. < 50 Kgs.: Minimum 0.5 MT Furnace, b) Each casting Wt. 50-500 Kgs: 1.0 MT Furnace c) Each casting Wt. > 500 Kgs. : Minimum 1.5 MT Furnace.]</p> <p>Moulding: Jolting & Squeezing machine (for Green sand moulding) / Hand Moulding CO2 moulding (Phynalic / Sodium silicate), 2 Part / 3 Part Resin System, Manual / Continuous Sand mixer.</p> <p>Core Shop: Shell core shooter / Cold Box / Hot Box / CO2 Core resin facility.</p> <p>Sand Testing Facilities: GCS, Moisture, Permeability, Mould hardness, Core hardness.</p> <p>Chemical Test Facility: Spectrometer;</p> <p>Dimensional Checking: 2D measuring instruments and gauges.</p> <p>Temperature Checking: Suitable Pyrometer Shot blasting.</p>		<p>Pattern making, Heat Treatment, Mechanical Test facility, Dimensional Checking, 3D CMM Machine.</p>	

- Name of the facility / machine, Make, Date of installation, Capacity / Technical specification (capacity, accuracy, precision & etc.,)

§ - Name of the Testing / Inspection Equipments, Make, Date of calibration, Calibration agency (in house/Out sourced)