

**CASTINGS AVR
Vendor Qualification Criteria for Grey Iron Casting**

<p align="center">Essential Core Competency (All supporting document proof to be submitted) (1)</p>	<p>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 List⁵) (2)</p>	<p>In house or Tie Up required (Tie up document proof to be submitted) (3)</p>	<p>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 List⁵) (4)</p>
<p>Melting: Medium frequency induction furnace / Arc furnace [Melting Capacity: minimum 0.5 MT Furnace</p> <p>Moulding: Jolting and Squeezing machine / CO2 moulding, Sand mixer.</p> <p>Core Shop: Shell core shop / Cold Box / Hot Box / CO2 core resin facility.</p> <p>Sand Testing Facility: GCS. Moisture, Permeability, Mould hardness, Core hardness.</p> <p>Chemical Test Facility: Spectrometer / Ferro Lab for Carbon and Silicon analysis.</p> <p>Dimensional Checking: 2D measuring instruments and gauges.</p> <p>Temperature checking : Suitable Pyrometer Abrasive blasting / 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)