

**CASTING AVR**  
**Vendor Qualification Criteria for Sand Casting & Any type of Steel Casting**

Sl.No.	Short Description	Essential Core Competency (All supporting document proof to be submitted)	In house or Tie Up required (Tie up document proof to be submitted)
1	<b>Sand Casting / Any type of Steel Casting</b>	<p><b>Melting:</b> Medium frequency induction furnace / Arc furnace [Melting capacity : a) Each casting Wt. &lt; 50 Kgs.: Minimum 0.5 MT Furnace, b) Each casting Wt. 50-500 Kgs: 1.0 MT Furnace c) Each casting Wt. &gt; 500 Kgs. : Minimum 1.5 MT Furnace.]</p> <p><b>Moulding:</b> Jolting &amp; Squeezing machine (for Green sand moulding) / Hand Moulding CO2 moulding (Phynalic / Sodium silicate), 2 Part / 3 Part Resign System, Manual / Continuous Sand mixer.</p> <p><b>Core Shop:</b> Shell core shooter / Cold Box / Hot Box / CO2 Core resign facility.</p> <p><b>Sand Testing Facilities:</b> GCS, Moisture, Permeability, Mould hardness, Core hardness.</p> <p><b>Chemical Test Facility:</b> Spectrometer;</p> <p><b>Dimensional Checking:</b> 2D measuring instruments and gauges.</p> <p><b>Temperature Checking:</b> Suitable Pyrometer Shot blasting.</p>	Pattern making, Heat Treatment, Mechanical Test facility, Dimensional Checking, 3D CMM Machine.

**Note : Documentary proof of the above qualifications is to be submitted along with quotation against Advance Vendor Registration (AVR) Tender Enquiry. If not submitted the same your offer will be ignored for further process.**