

INDUCTION MELTING FURNACE

Sr#	Description	Qty
1	INDUCTION MELTING FURNACE FOR ALUMINUM WITH ACCESSORIES.	1Set
1.1	Furnace Capacity (Crucible Type): 250KG Aluminum	
1.2	Furnace Top Cover: Electrically operated Moveable top cover	
1.3	Tilting Mechanism: Hydraulic tilting mechanism with oil pumps	
1.4	Control Panel & MF Generator: Furnace control panel with variable induction power supply mechanism & Solid State Medium Frequency Generator.	
1.5	Coper Tubes, cables & cooling Unit: Complete set of water cooled copper bus tubes, water cooled cables Cooling unit, including cooling tower, heat exchangers, water pumps, and water piping and valves.	
2	Chill Casting House : Direct Chill Casting Facility (Billets Diameter 125,160,200 mm & Length:2000 mm)	1Set
3	Power Supply Distribution Transformer: (To be designed by the manufacturer according to the capacity of furnace) 11KV, 3-Phase, 50Hz to 440VAC Power Transformer (oil cooled) with HT & IT control panels along with power & control cables, Gauges, Circuit Breakers & accessories.	1Set
4	Spares & Consumables: Spares must be quoted for five years.	
	Foundation Drawings, Maintenance / Operational Manuals: Foundation & equipment Drawings, Electrical drawings, Maintenance & Operational Manuals must be provided in English.	
	Pre-shipment Inspection & Training: Pre-shipment Inspection & training by 3-officials at Manufacturer premises	
	Scope: Complete Design, supply, installation & Commissioning of induction furnace, Chill Casting House, and Power Supply System by supplier or manufacturer.	
	Warranty / Guarantee: Warranty / Guarantee must be granted by the manufacturer.	
	Installation & Commissioning Charges: Installation & commissioning Charges must be quoted separately.	