

ELECTRIC RESISTANCE TILTING FURNACE WITH ACCESSORIES

Sr#	Description	Qty
1	ELECTRIC RESISTANCE TILTING FURNACE WITH ACCESSORIES	01 Set
1.1	Furnace Capacity (Crucible Type & steel body): 250KG Aluminum	
	Operating Temperature: 900-1000 Degree Celsius (°C)	
1.2	Dimensions: Dimensions of the furnace will be designed by the manufacturer according to the 25QKG Aluminum melt	
1.3	Furnace Top Cover: Electrically operated Moveable top cover	
1.4	Tilting Mechanism: Electrical / Hydraulic tilting mechanism	
1.5	Control & Safety: Control Panel for operation. Circuit breaker for isolation & Protection. Earth Leakage detection for operational Safety & Personal Protection. Chamber temperature control for heating element protection & regulation of power, Metal temperature control by digital PID controller	
2	Power Supply Distribution Transformer: (To be designed by the manufacturer according to the capacity of furnace) 11KV, 3-Phase, 50Hz co 440VAC Power Transformer (oil cooled) with HT & LT control panels along with power & control cables, Gauges, Circuit Breakers & accessories.	01 Set
3	Spares & Consumables: Heating elements, insulations & necessary spares must be quoted for five years.	
4	Foundation Drawings , Maintenance / Operational Manuals: Foundation & equipment Drawings, Electrical drawings, Maintenance & Operational Manuals must be provided in English.	
5	Pre-shipment Inspection & Training: Pre-shipment Inspection & training by 3-officials at Manufacturer premises.	
6	Make: Chinese or European	
7	Scope: Complete Design, supply, Installation & Commissioning of furnace, and Power Supply System by manufacturer.	
8	Warranty / Guarantee: Warranty / Guarantee must be granted by the manufacturer.	
9	Installation & Commissioning Charges: Installation & commissioning Charges must be quoted separately.	