

## ELECTRIC RESISTANCE TILTING FURNACE WITH ACCESSORIES

Sr#	Description	Qty
1	ELECTRIC RESISTANCE TILTING FURNACE WITH ACCESSORIES	
1.1	<b>Furnace Capacity (Crucible Type &amp; steel body):</b> 250KG Aluminum <b>Operating Temperature:</b> 900-1000 Degree Celsius (°C)	01 Set
1.2	<b>Dimensions:</b> Dimensions of the furnace will be designed by the manufacturer according to the 25QKG Aluminum melt	
1.3	<b>Furnace Top Cover:</b> Electrically operated Moveable top cover	
1.4	<b>Tilting Mechanism:</b> Electrical / Hydraulic tilting mechanism	
1.5	<b>Control &amp; Safety:</b> 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	<b>Power Supply Distribution Transformer:</b> (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	<b>Spares &amp; Consumables:</b> Heating elements, insulations & necessary spares must be quoted for five years.	
4	<b>Foundation Drawings , Maintenance / Operational Manuals:</b> Foundation & equipment Drawings, Electrical drawings, Maintenance & Operational Manuals must be provided in English.	
5	<b>Pre-shipment Inspection &amp; Training:</b> Pre-shipment Inspection & training by 3-officials at Manufacturer premises.	
6	<b>Make:</b> Chinese or European	
7	<b>Scope:</b> Complete Design, supply, Installation & Commissioning of furnace, and Power Supply System by manufacturer.	
8	<b>Warranty / Guarantee:</b> Warranty / Guarantee must be granted by the manufacturer.	
9	<b>Installation &amp; Commissioning Charges:</b> Installation & commissioning Charges must be quoted separately.	