

TECHNICAL SPECIFICATION FOR LAB SCALE ROTARY KILN

A rotary kiln is required for the production of cement clinker at lab scale.

The following are the required features in the kiln:

Capacity: 10-20 kg/hr

Maximum temperatures of up to 1600 °C.

Diameter < 500 mm and Length < 6 m; Mild steel shell (IS 2062) with high temperature brick lining of 115 mm thickness

Kiln feed through mild steel hopper with at least 30 kg capacity, using a screw type feeder system

Provision of diesel burner with a control system.

Forced draught fan for exhaust.

Temperature indicators at 5 locations within the kiln

Control panel for process control and temperature readout

Warranty: 1 year from the date of installation.

Power supply: 220 – 240 V, 50 Hz.