

Vriddhachalam Ceramic Manufacturer Service Forum (VCMSF)

B 1- SIDCO Industrial Estate for Ceramics, Aaladi Road, Vriddhachalam – 606 001.

Tunnel Kiln Project - (Stage I)

Annexure – I - Technical Specification

Sl. No	Product	Refractory & Ceramic Items
1	Type of kiln	Multi cycle
2	Charge Material	20000 Kg / day (Approx.)
3	Sagger Material (Deck Plate & Deck Support)	14000 Kg / day (Approx.)
4	Kiln Length	63000mm (Approx.)
5	Car stacking Width	850mm (Approx.)
6	Car Stacking Height	1200 mm (Approx.)
7	Car Overall Width	950 mm (Approx.)
8	Car Overall Length	1450 mm (Approx.)
9	No .of Car Inside the kiln	42 Nos.
10	No.of Car Outside the kiln	42 Nos.
11	Maximum kiln Operating Temperature	1250 ⁰ C
12	Firing Cycle	24-36 Hrs (Approx.)
13	Burner Installed Capacity	1.45 x 10 ⁶ K cal. / Hr.
14	Fuel	LDO/LPG
15	Type of Burner	Duel Fuel – North American
16	No. of Burner	9/10 Nos.
17	Ignition	Auto ignition by Direct Igniter
18	Auto Ignition Fuel	LPG
19	Combustion Blower	1 No. 20 HP
20	Entrance Contrivance Fan	1 No, 3 HP
21	Exhaust Fan	1 No, 7.5 HP
22	Cooling Fan	1 No 7.5 HP
23	Exit Contrivance fan	1 No 5 HP
24	System of Car Pushing	Hydraulic
25	Hydraulic Unit	1 No 7.5 HP
26	Transfer Car	2 Nos.
27	Transfer Car Drive	Manual
28	Temperature Control	Manual Through Temperature Indicators.
29	Installed Power	51 HP (Approx.)
30	Power Supply	400/440 Volts , 50 Cycles, 4 Wires A.C Supply
31	Temperature Measuring	Through 3 Nos. Pt-Pt/Rh-13%, 6 Nos. Cr-Al Thermocouple
UTILITIES		
1	Fuel To be Supplied	LPG at a Pressure 2 Bar Flow 80 – 95 Kg / Hr. (Approx.) LDO at a flow rate 90-105 Kg/ Hr.
2.	Grease and Hydraulic Oil (1 st Filling)	As Required
3.	Power Supply	415 Volts (±10%), 3 Phase, 4 Wires, 50 HZ. A.C. Supply