

Rotary Kiln Bauxite Calcination Plant in Running Condition

List of Machinery

1. Rotary Kiln Shell (2.5 mtr Dia x 55 mtr long)
Thickness 25mm,30mm,36mm, 40mm
Material IS 2062
2. Kiln Tyre Ring (Levering)
3200 OD x 2640 ID x 440 Width Quantity 2 Nos.
3200 OD 2640 ID x 530 Width Quantity 1 No.
Material Is 2708 Gr 2
3. Kiln Supporting Roller with Shaft 3.5 mtr x 12 Nos.
1000 mm Dia. x 500 and 580 Width With 310 Dia. Shaft x 2000 long
Roller Is2708 Gr.2 Shaft EN 19 Forged
4. Kiln Supporting Roller Bearing Housing with Water
Cooled Screw Block with Gunmetal Linear bearing and Thrust Ring, Spacer.
Material. LIS 1030 12 Set -1250 Kg
5. Kiln Thrust Roller Assembly
750 Dia. x 125 Thk & 250 Dia. Shaft with 30 Thk.
Gunmetal Bush.
Material IS 2708 Gr2 Base Roller
Shaft EN 9 2 Set X 1250kg
6. Kiln Inlet Hood with Bottom Hoper
Size 3.5mt. x 4mt 2mt Width
Material IS 2062
7. Kiln Inlet Sealing System with Sealing Pads and Spring
Plate Material IS2062 and EN 42
8. Inlet Sealing Cover with Hoper
Material M.S.
9. Kiln Inlet Tip Casting
Material HRCS Gr7 Set 1 (9nos.)
10. Kiln Outlet Tip Casting with SS Bolt Material HRCS Gr 7 Set 1 (24 Nos.)
11. Kiln Outlet Sealing Arrangement
With Spring Plate
Material IS 2062 & EN 42
12. Kiln Outlet Hood with Trolley System
Material 10.5 MT Material IS 2062
13. Kiln Tyre Chair Plate
250 X 1000 X27 Thk. Material IS 2062
14. Kiln Girth Gear (Spring Plate Design)
130 Teeth x 30 module x 350 mm Width
Material IS 2644 Gr.2
15. Kiln Girth Gear Spring Plate with Linear Shell

- Stud Fixing Bolt, Guard Etc.
 Material EN 42 with Shell Linear Plate IS 2062
16. Kiln Pinion with Shaft
 Material EN 9 & 19
 18 Teeth X 400 mm Width X 30 Module 2 Set
 Shaft 250 Dia. x 2mtr.
17. Kiln Drive Pedestal with Bearings 2 Nos. Each
 SD 544 BRG 22244 FAG
18. Kiln Gear Couple with Torsion Shaft
 Elecon Make
19. Kiln Gear Box
 Model SDN 560, Ratio 140:1 Four Stage, Elecon Make
20. Kiln Fluid Couple Cdr 584 With FCF 13
 Make Elecon

21	FLS SYSTEM FOR KILN GEAR BOX				
	2PUMP,2 HEAT EXCHANGER,FILTER				
22	BURNER SYSTEM (dual)singhaniya make				
	cap.10kl,with coal firing system,coal rotary valve, coal screw conveyor,cc,coal blow throgh valve.and line.				
23	PUMP ,FILTER,HEATER UNIT				
	PUMP 2NOS GTX 075				
	HEATER 36KW 2NOS				
	FILTER 1.5 INCH 4 NOS,VALVE AND VALVE STAND &FRAME				
24	COAL FIRING ROOTS BLOWER WITH FILTER &STAND				
	RICON MAKE,R 119			2NOS	
25	BAG FILTER COMPELETTE WITH STRUCTURE				
	160mm x 4mtr. 48 nos(fibre glass bag)				
	160 mm x 3mtr. 276 nos.				
	152 mm x 4mtr. CAGE 48nos				
	152mm x 3mtr. CAGE 276 NOS.				
	Ambient air damper 2nos,multi flap damper,pulsing tank, valves,line,solenoid valve 27nos,timer control pannel.				
	BAG FILTER 4MT. X6mt.x5.5mt.				
26	COMPRESSOR WITH AIR TANK 200LTR.				
	15T COMP.INGERSOLL MAKE				
27	BAG FILTER I D FAN				
	CAP. 51000M3,HRS.,PRESSURE 400MMW.C.				
	RPM 1440,MOTOR VFD DRIVE,IMPELLER SS304,SHAFT EN 8,				
	BEARING 22320K,PEDESTAL SNH 620,WITH FLUID COUPLE				
	ELECON MAKE CDR 480 WITH FCF 9 COUPLING,				
	INLET MULTIFLAP DAMPER,INLET OUTLET EXPANSION BELLOWS. L.S				

Sr. No.	Description
1	Oil Handling System
2	Coal Handling Root Blower (1) 4 Kg Pressure, 900 M ² P/H
3	Coal Handling Root Blower (1) 0.25 K Pressure, 600 M ²
4	Coal Cyclone Capacity 18 Ton
5	Coal Handlin 'System (2 Ton p/h)
6	Furnace Oil Storage Tank (2 Nos.) Capacity 120 KL
7	Calcined Bauxite conveyor, 500 mm Len h, 20 Mtrs.
8	Day Tank Capacity 10KL
9	Rota Kiln 2.5 Dia. X 55 Mtrs. Complete assembly
10	Rota Cooler 1.6 Dia x 23 Mtrs. Complete assembly
11	Kiln supporting Roller Kiln with Shaft Spare 6 Piece (2 x 6)
12	Chimney 1.2 Mtr Dia, 30 Mtrs_
13	MCC 1 Panel
14	MCC 2 Panel
15	PCC Panel
16	Change Over panel
17	Transformer 400 KVA
18	Burner Panel
19	PHF Unit
20	Raw Material Panel
21	Ba Filter Panel
22	All electrical cables
23	Twin Cyclone
24	Bag Filter (324 Bag)
25	[D Fan (51000 M2 PH), 400 mm pressure
26	Dual Burner
27	PA Fan (I) 3000 M ² / P/H
28	PAN Fan 2 6750 M ² / P/H
29	Coal Firing Roots Blower (1) 0 4 K Pressure, 900 mm M ² / P/H
30	Coal Firing Root Blower (2) 0.2 kg. Pressure, 600 M ² / PHH
31	Compressor I.R. Make ESV I Lub 7 X 5 (2 Piece)
32	Raw Bauxite Belt Conveyor 600 mm Length 20 Mtrs.
33	Raw Bauxite Jaw Crusher 20 X 12
34	Hammer Mill conveyor, 600 mm, 18 Mtrs Length
35	Hammer Mill Capacity 20 Tons P/H
36	R/B elevator, Height 20 Mtrs., Capacity 20 Tons P/H Chain Type
37	Feed elevator Height 20 Mtrs., Capacity 20 Tons Chain Type
38	Raw Material Storage C 10, Capacity 150 Tons

- 39 Gravity Settler
- 40 Multi Cyclone
- 41 Kiln VFD Starter
- 42 ID Fan VFD Starter
- 43 Burner System with coal firing system, coal rotary valve, coal screw conveyor, coal blow through valve and line
- 44 Soft Starter 100 KW (3 Piece) 1 X 1,50,000/-