

APOCALYPSE STEEL AND POWER LIMITED

Address :

241, MAHARAJA N.K.ROAD,

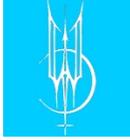
P.O. : ALAMBAZAR, KOLKATA - 700 036

STATE : WEST BENGAL (INDIA)



APOCALYPSE STEEL AND POWER LIMITED





APOCALYPSE STEEL AND POWER LIMITED

OUR DOMESTIC PRESENCE ARE IN --

1. IRON AND STEEL INDUSTRIES
2. FERRO ALLOYS INDUSTRIES
3. REFRACTORIES INDUSTRIES
4. SPONGE IRON INDUSTRIES



APOCALYPSE STEEL AND POWER LIMITED

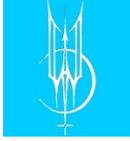
WE REGULARLY EXPORT TO

- ❖ **EGYPT**
- ❖ **ITALY**
- ❖ **SAUDI ARABIA**
- ❖ **SYRIA**
- ❖ **SWEDEN**
- ❖ **SRI LANKA**
- ❖ **UAE**
- ❖ **JAPAN**



APOCALYPSE STEEL AND POWER LIMITED

- The plant is most modern and is supported by a team of qualified professionals. The plant's existing capacity is 30,000 tons per annum. The company presently produces all type of refractories both bricks and monolithic as per details given below :-
- Fireclay from medium & high heat duty conforming to I.S. and steel plant specification in all shapes and sizes with alumina contents from 30 to 45%
- High grog & high alumina refractories with alumina contents from 45 to 85 % for various applications in steel, cement, glass, sponge iron, aluminium, non ferrous and petrochemical industries.
- Sillimanite bricks and blocks for glass plant.
- Acid resistant bricks for chemical industries, petro refineries & power generation plants.
- Insulation bricks in cold & hot face qualities.
- Various grades of mortars, ramming masses and castable refractories.
- High quality Bottom Pouring Sets of various sizes for ingot making



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- **SOME OF THE IMPORTANT MANUFACTURING FACILITIES (AS EXISTING ARE GIVEN BELOW)**

- **GRINDING:**

- (A)
- Impact Mills. – 2 Nos. fitted with elevators 4 Nos.
- Jaw Crushers. – Primary & Secondary 2 Nos.
- Ring Roller Mill and continuous Rema Make Ball Mills with Air Separator for Fine grinding.
- Pulverizer with elevator for Fine Clay grinding and storage.
- Triple deck Vibrating screens with 1 mt dia permanent drum magnets 4 Nos
- Avery makes batch weighing car – 2 Nos.
- (B)
-
- Disintegrator 2 Nos. with elevator, Rotary screen, U-Mixer, Pug mill and 0.50 -meter dia permanent drum magnet.
- Batch type ball mills 4 Nos.



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- **SHED & BUILDING:**

- One double story Administrative Block having 330 square meter area, surrounded by big green lawn.
- 7035 square meters covered area to facilitate installation of Machines, Kiln, Green Manufacturing.
- 603 square meter Residential Premises.
- 18000 square feet new shed was built up recently for manufacturing of Bottom Pouring Sets with all the required facilities like a high temperature tunnel kiln
- 180 feet long with drier, kiln trolley, friction presses 12 numbers and the complete grinding unit was added last year.



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- **STORAGES:**

- The Grinded and Screened material of different size of grains and fines are being stored separately in 27 numbers elevated hoppers having capacity to store 250 M.T.

- **MIXING:**

- High Intensity Counter Current Mixers – 3 Nos. with electric hoist 2 tones capacity 2 Nos
- Paddle Mixer – 2 Nos.
- Muller Mixer – 2 Nos.



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PRESSES :

Friction Screw Presses – with electric hoist 2 tones capacity 2 Nos.
150 tons – 8 Nos.

Hydraulic Jack Press - 200 tons – 1 Nos.

For special shapes hand molding and Pneumatic ramming stations equipped with compressor for manufacturing intricate shapes & sizes. - 7 Stations.

DRIERS:

Tunnel Driers - 3 Nos. with 40 Nos. Steel Trolleys each.



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- **KILNS:**



- Continuous Ring 86 Bench Kiln with Gas Producer Plant of 2.3 Mts. Dia up to 1500°C.
- Tempering Kiln for curing Resin bonded products up to 300°C.
- Down draft 20' dia Kiln with 65' height chimney 2 Nos.
- Brick loading and unloading trolleys – 12 Nos.
- High temperature tunnel kiln 180' with ninety numbers trolley.
- High temperature shuttle kiln 10 ton capacity oil fired up to 1500°C.



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- **WORKSHOP:**



- Lathe Machine – 2 Nos.
- Shaping Machine – 1 Nos.
- Surface Grinder – 2 Nos.
- Tool Grinder – 1 Nos.
- Heat treatment Furnace – 1 Nos.
- Automatic Sawing Machine – 1 Nos.
- Drilling Machine – 2 Nos.
- Electric welding machine – 4 Nos.
- Gas cutting set – 2 Nos.
- Bricks size grinding and cutting machine with both side wheels.



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- **MILL HOUSE:**



- Vibrating screen mounted on wheels – 3 Nos.

- Wheel Barrow – 6 Nos.



- **POWER HOUSE:**



- Cummins make 110 KVA Diesel generators to ensure continuous power supply.



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● **LABORATORY & QUALITY CONTROL:**



● The Plant has a well-equipped laboratory with all the requisite facilities for chemical, physical and Thermal testing. The company has an on going SPC program for controlling the quality at all stages of manufacturing as well as finished products. Some of the equipments in our lab are given below:

- Complete chemical analysis of raw material and finished products.
- Digital Spectrophotometer.
- Flame photometer.



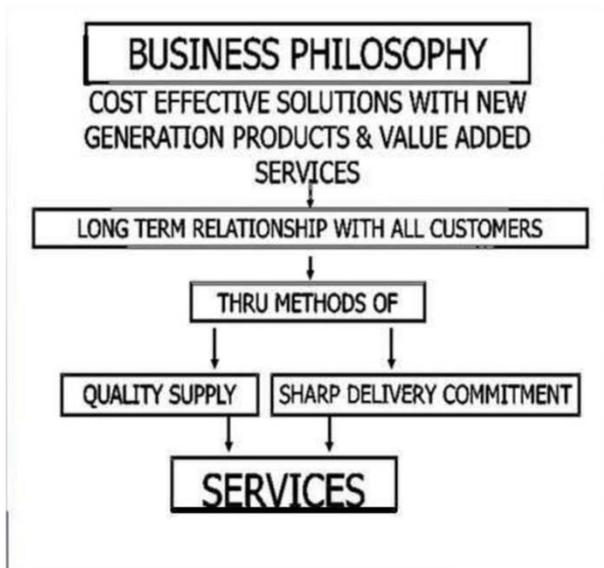
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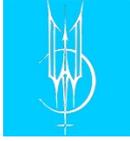
● EQUIPMENTS FOR PHYSICAL & THERMAL TESTING:

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- Permanent Liner change on reheating up to 1650°C.
- Cold Crushing Strength.
- Porosity, Bulk Density, Specific gravity etc.
- Thermal conductivity.
- Slag and Acid resistance tests.
- HOT – MOR Tester.
- Brick – cutting machine for sample making in required size and shape for testing.
- Vibrating Sieve analysis machine.
- Planetary Mixer Machine.
- High Frequency Vibration Table.
- Vi-Cut Needle.



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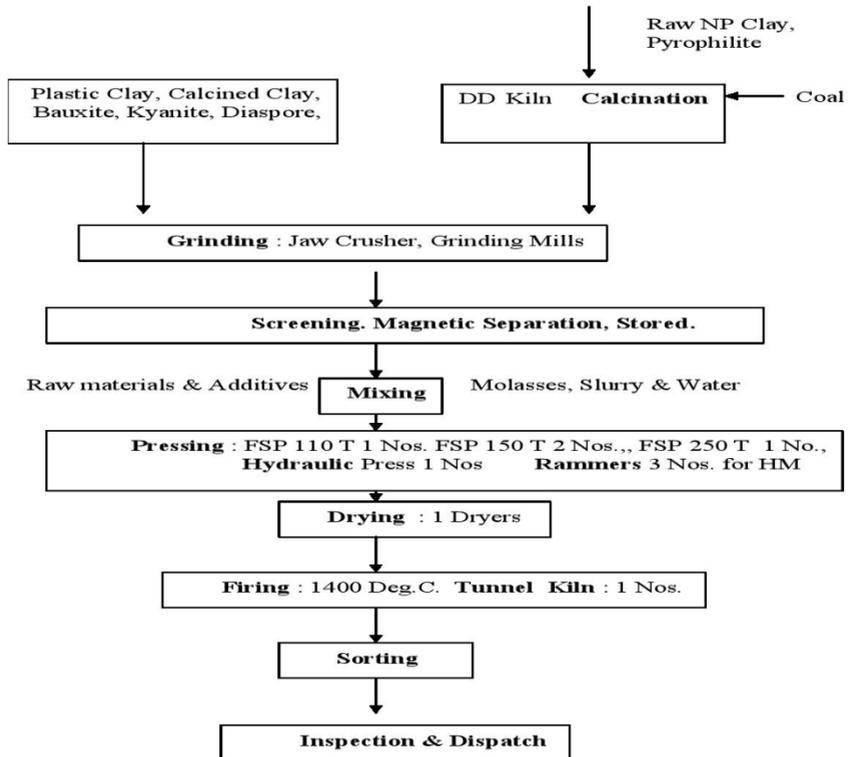




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(BRICKS)

PROCESS FLOW CHART

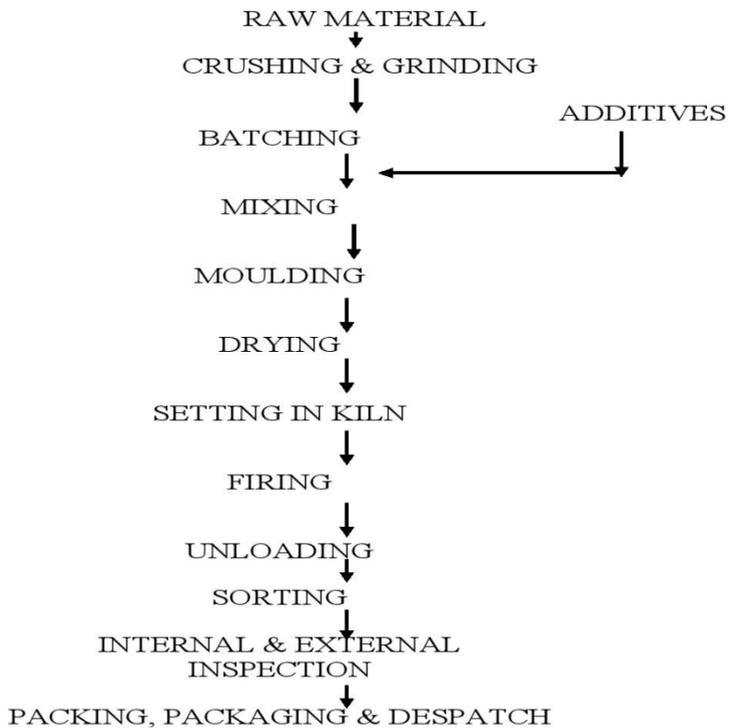


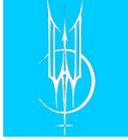


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PROCESS FLOW CHART

Precast.

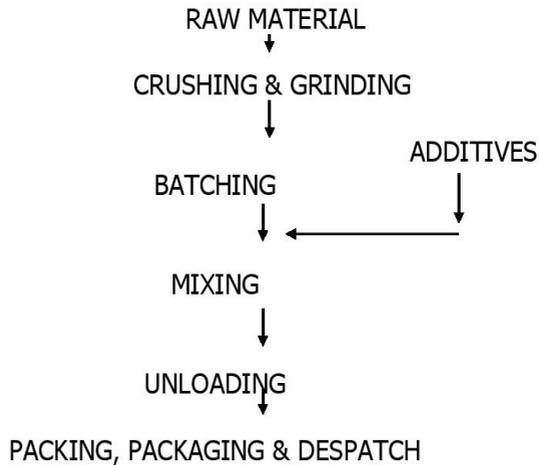




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PROCESS FLOW CHART

Process sequence for Castable, Mortars and Dry Impervic Material. Inspection is done throughout the process.





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**PHOTOGRAPHS
OF TESTING &
MANUFACTURING
FACILITIES**



APOCALYPSE STEEL AND POWER LIMITED

TESTING FACILITY (PHYSICAL)





APOCALYPSE STEEL AND POWER LIMITED

TESTING FACILITY (CHEMICAL)





APOCALYPSE STEEL AND POWER LIMITED

(DRYING & FIRING-WASTE HEAT DRIER & TUNNEL KILN)





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FIREBRICKS





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60%ALUMINA BRICKS





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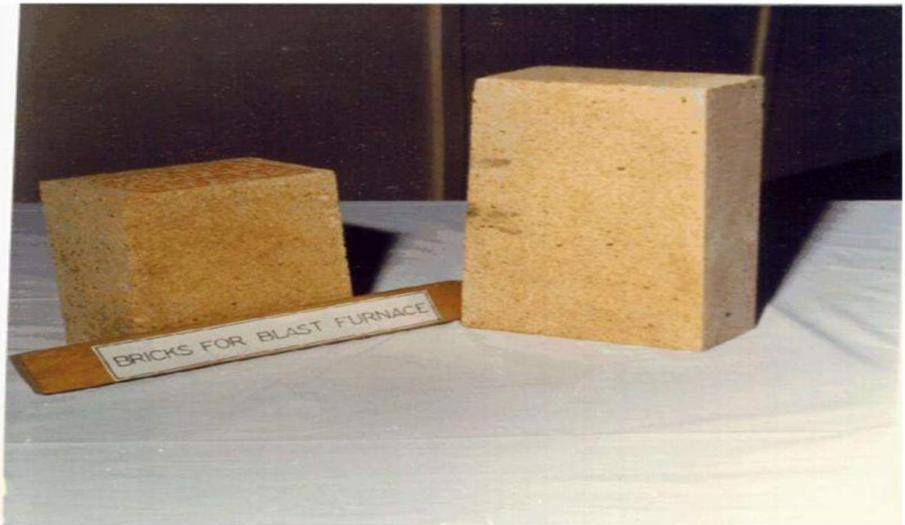
SILLIMINITE BRICKS





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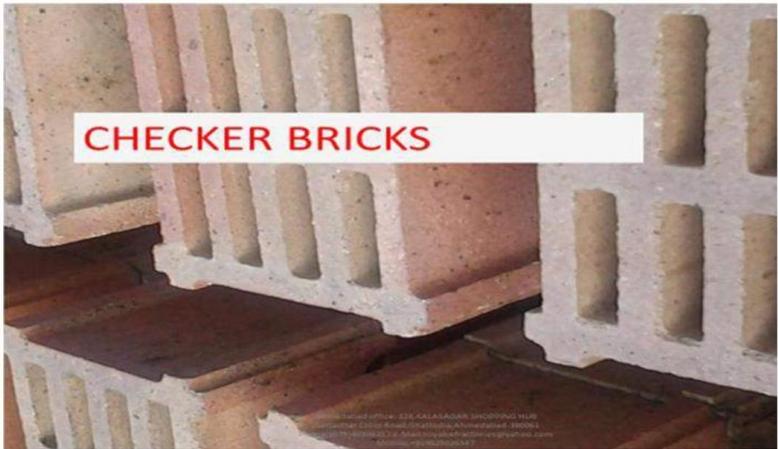
BLAST FURNACE BRICKS-FOR IRON & STEEL INDUSTRY





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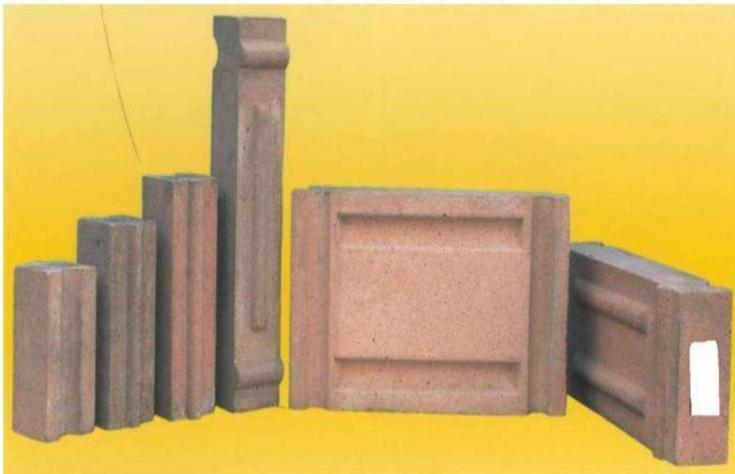
BLAST FURNACE BRICKS FOR COKE OVEN & BLAST FURNACE OF STEEL INDUSTRY





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FOR ANODE BAKING FURNACE (ALUMINIUM INDUSTRY)





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PRECAST PREFIRED BLOCKS FOR BURNERS





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THANKS FOR YOUR KIND ATTENTION