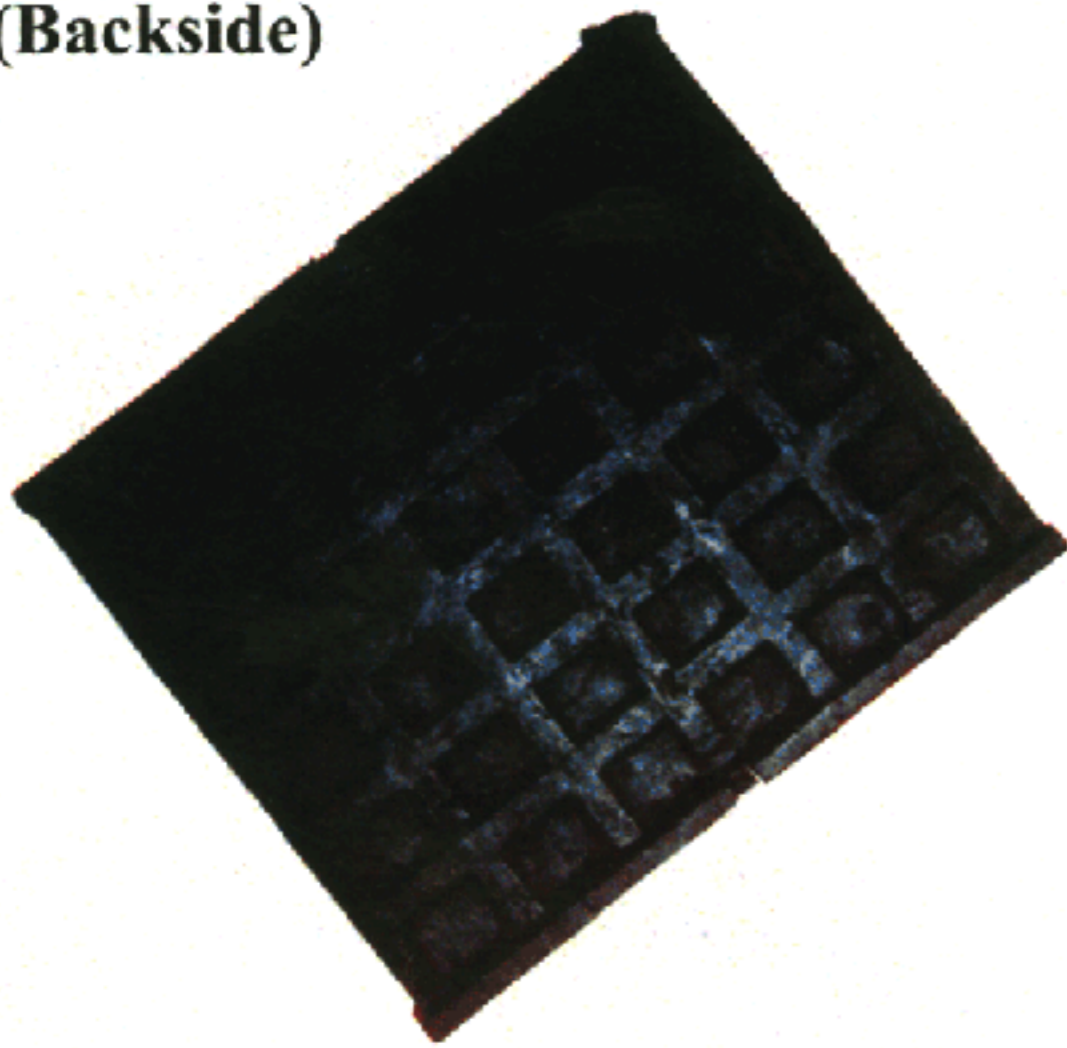
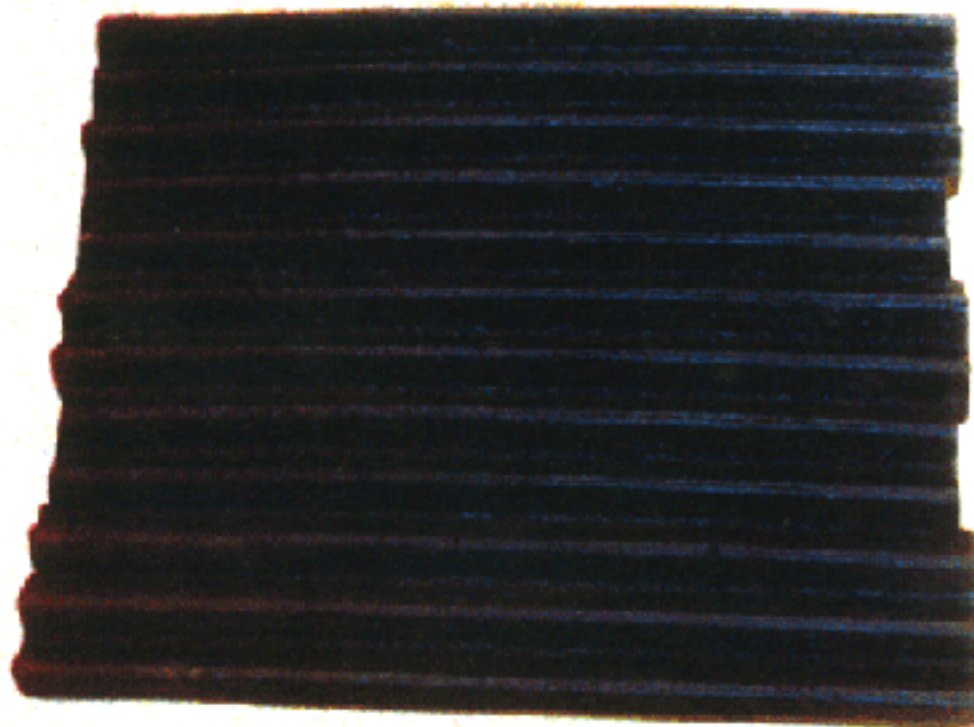


**JAW Plate with Teeth for
Marshal Stone Crusher
(Backside)**



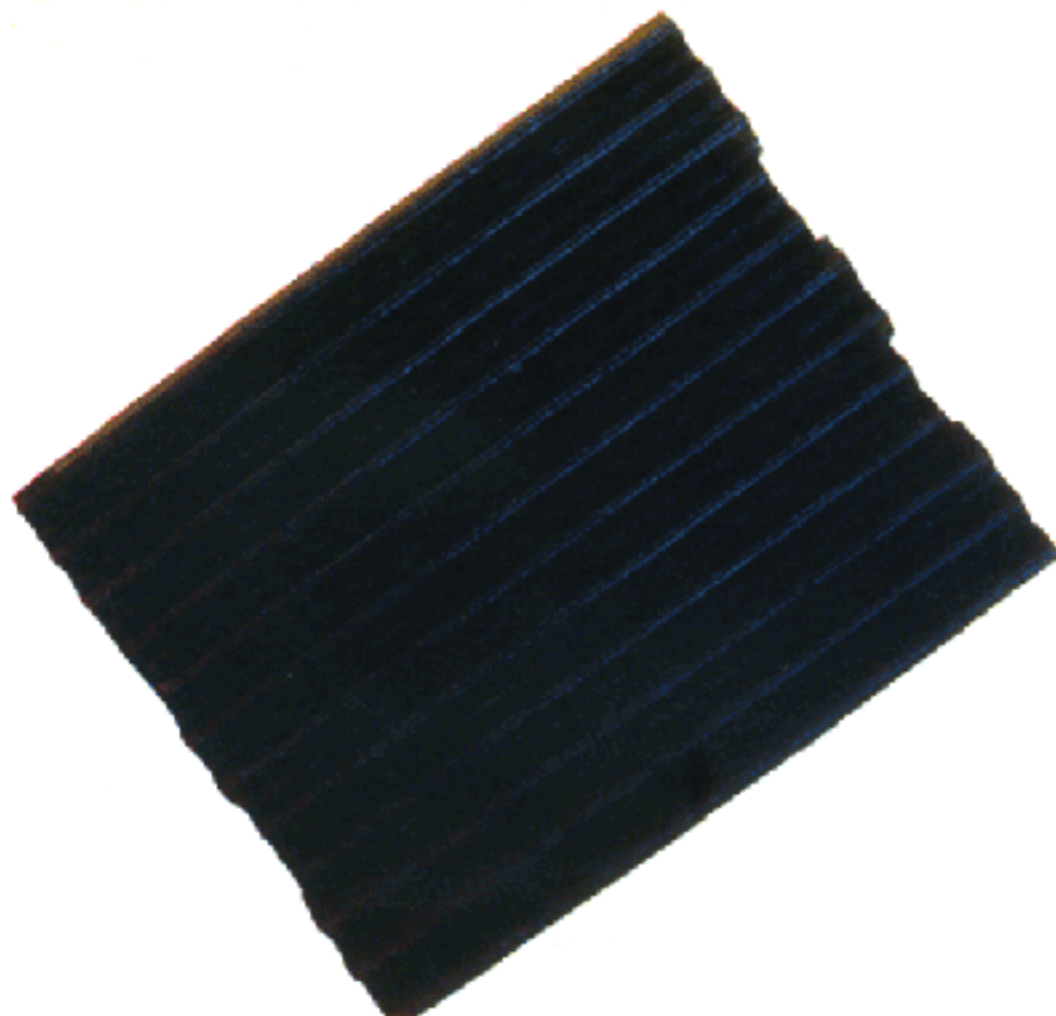
**JAW Plate with Teeth for Marshal
Heavy Duty Stone Crusher**



**JAW Plate without Teeth
16x9 Sayaji Stone Crusher**



**JAW Plate with Teeth for
Marshal Stone Crusher**



Iron & Steel Melting by Exothermic Reaction

Steel melting is an established art in India. However the Steel Foundry Industry has always faced problems because of shortage of electricity required for melting. The initial investment in machineries alone for a small Steel Foundry with a 500kgs crucible capacity Induction Furnace is around Rs. 1.5 Crores.

The melting of steel requires large amount of heat produced by electricity. Every tonne of steel melted consumes 650 to 700 KW of electrical energy. With the high cost of electricity, the cost burden of electric power per tonne of finished steel casting is very high.

Engineers have always searched for alternative energy sources for steel melting. However, conventional fuels like coal oil and gas are inadequate because the high temperature required for steel melting cannot be achieved by these fuels. Electricity appears to be the only solution.

However several years of research by Mr. K. Rajendran of Bangalore, India, has Discovered a metallothermic (Exothermic) reaction to generate sufficient heat for steel melting.

This process has been tested and practiced for over several years and has been systematically streamlined with continued and dedicated effort for industrial application. The process is now available for commercial production of steel castings

This technology is approved and assigned to National Research Development Corporation (NRDC), which is a Government of India Enterprises, New Delhi and patented in India.

A few of the products manufactured is illustrated here. Any steel or alloy steel casting can be manufactured with this technology.

ADVANTAGES OF EXOTHERMIC MELTING:

- Large scale savings on electricity
- Savings in capital investment
- Flexibility in batch melting.
- Maintenance of costly and sophisticated equipment eliminated.
- Metal gets refined automatically.
- In case of temperature loss, it can be improved by adding exothermic mixture in the pouring ladle itself.
- Time required for each batch melting is 45 minutes only.
- Very simple process and can be handled by semi skilled workmen.

SAVE ENERGY

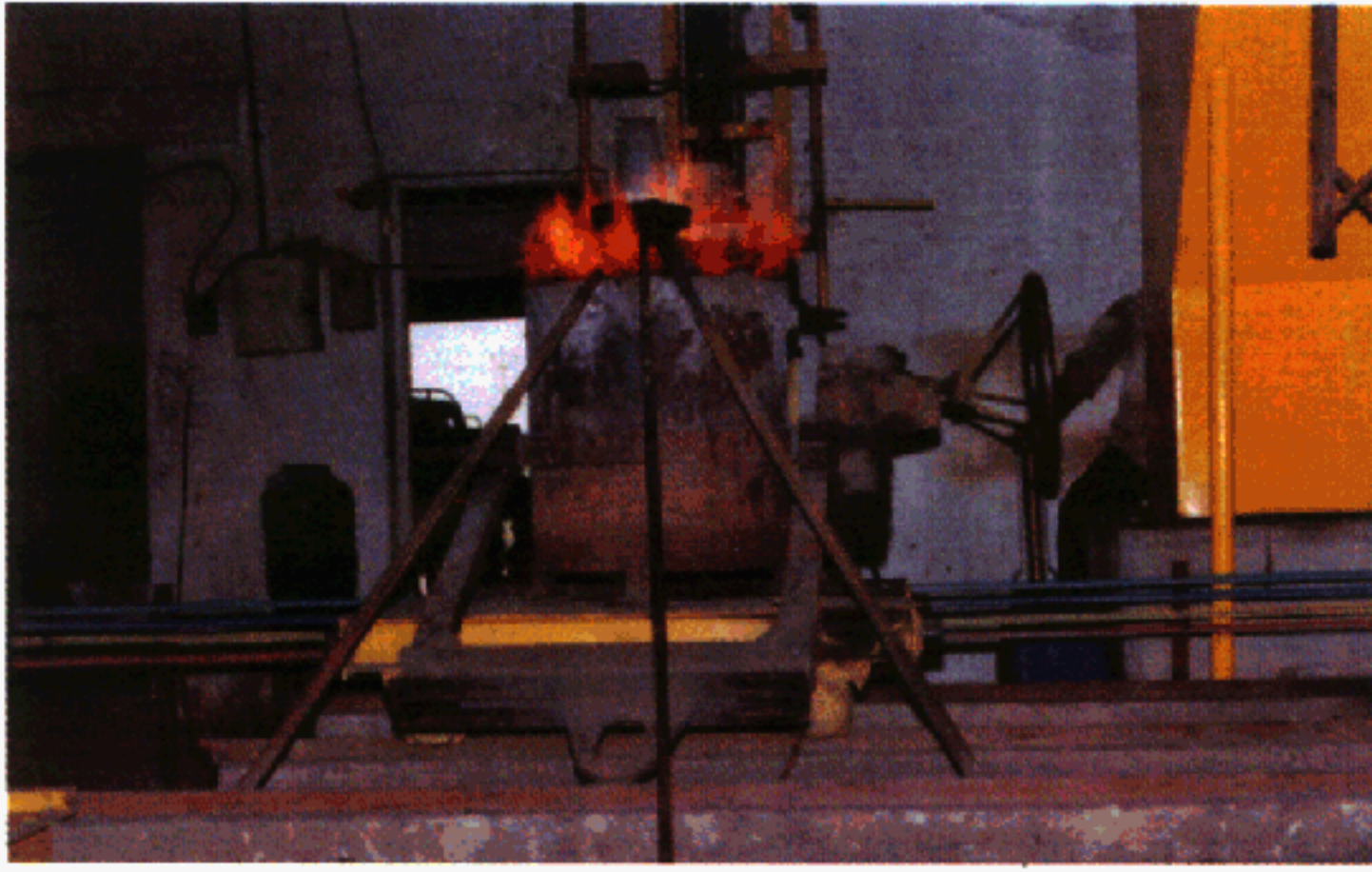
SAVE COST

SAVE NATIONAL ECONOMY

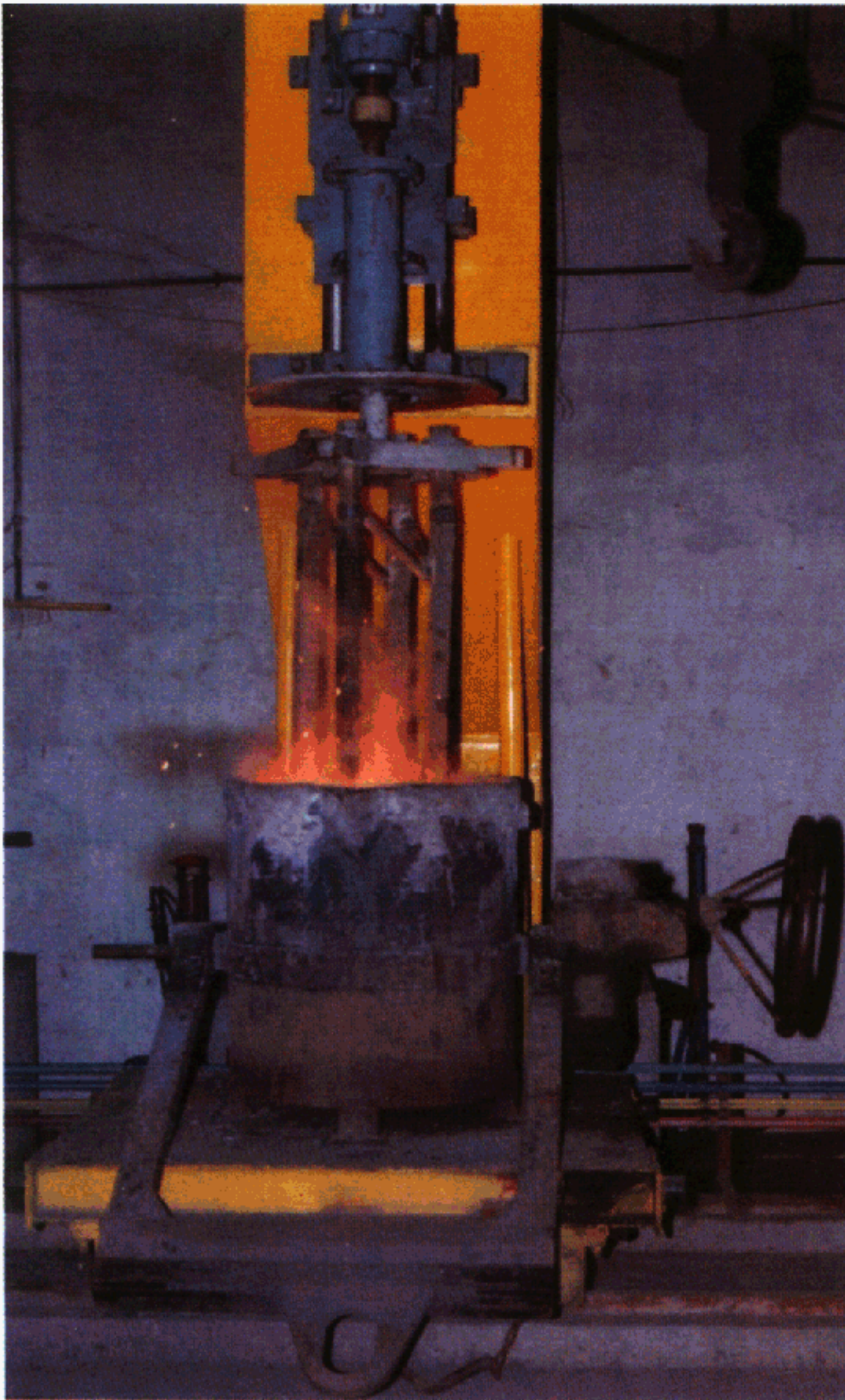
SAVINGS IN ELECTRICITY DEMAND : 80%*

SAVINGS IN CAPITA INVESTMENT : 65%*

* As compared to conventional method of steel melting by Electricity.



Preheating the Scrap



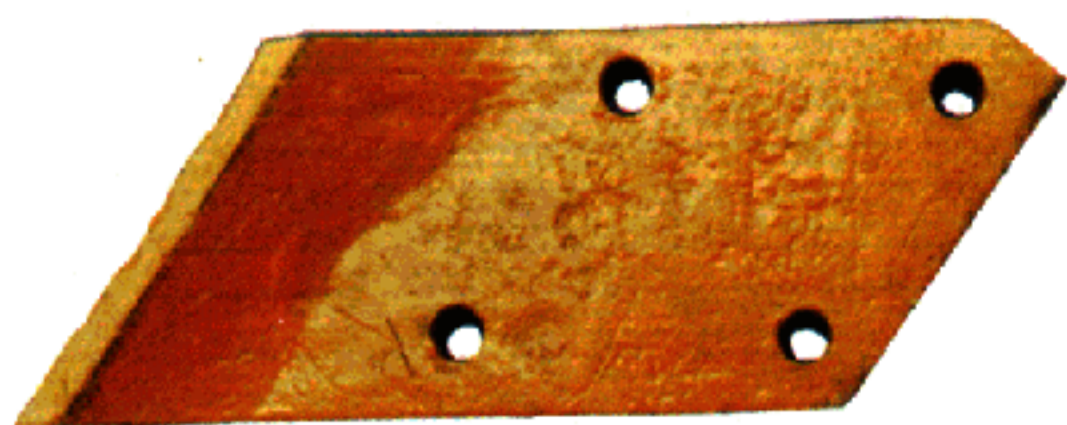
Stirrer in action while Exothermic Reaction take place

Pouring the Molten Metal



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Ph.: 0091-80-26570380, 26567354
Fax : 0091-80-26573136
E-mail : okem@dataone.in
Website : okemgroup.com



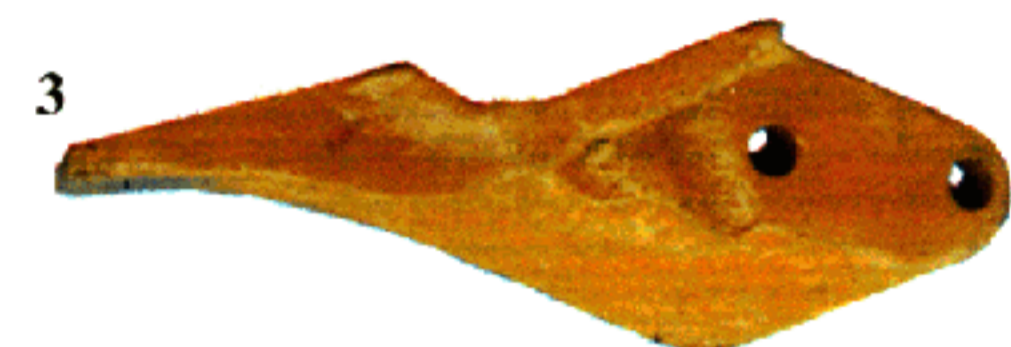
Side Cutter for BEML Excavator



1



2



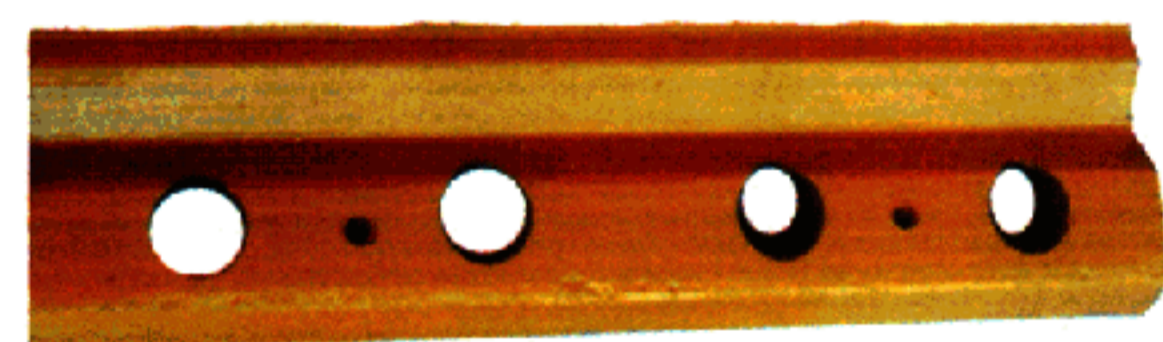
3

Tooth Points for JCB Front Bucket

- 1. Side Teeth Left
- 2. Centre Teeth
- 3. Side Teeth Right



1

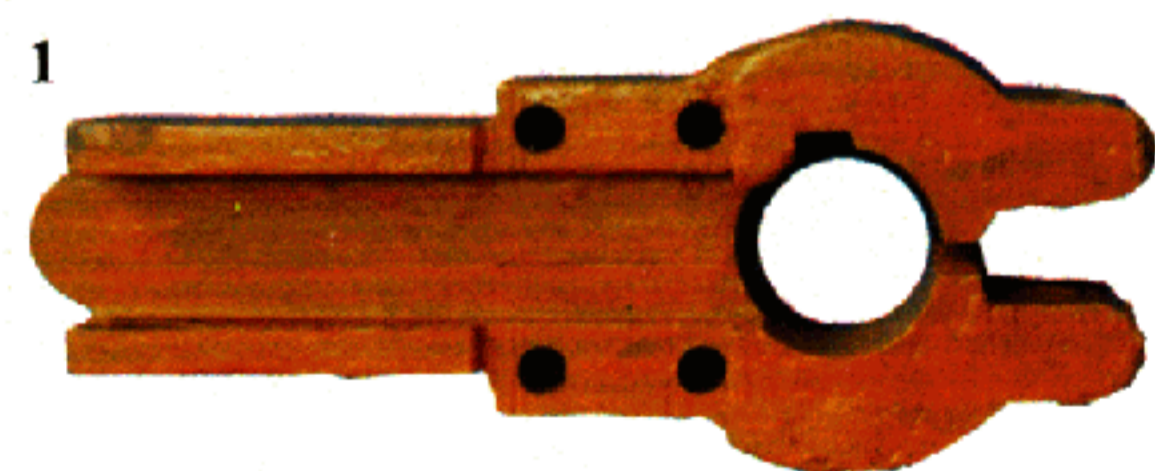


2



3

- 1. Tooth Point for JCB Front Bucket
- 2. Keeper Plate
- 3. Beater for Crusher



1



2

Toggle Plate

- 1. Safety Arm
- 2. Toggle Plate for Crusher (Rough Casting)



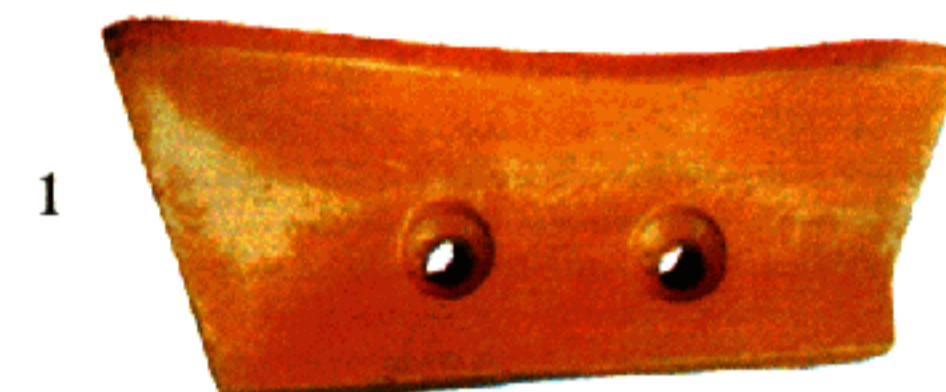
1



2

Tooth Points for L & T Paclain

- 1. Tooth Point for Caterpillar
- 2. Tooth Point for Denmag Excavator



1



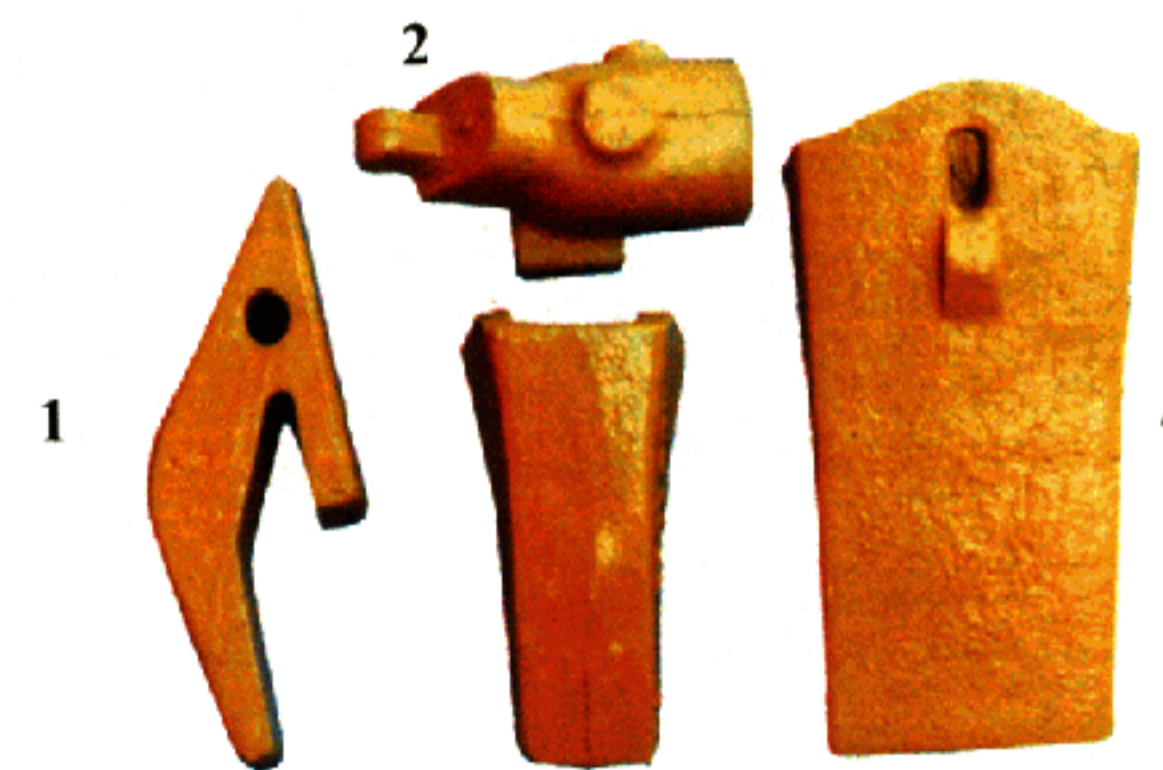
2



3

Small

- 1. Linear for Concrete Mixer
- 2. Tooth Point for L&T Poclain
- 3. Tooth Point for L&T Poclain



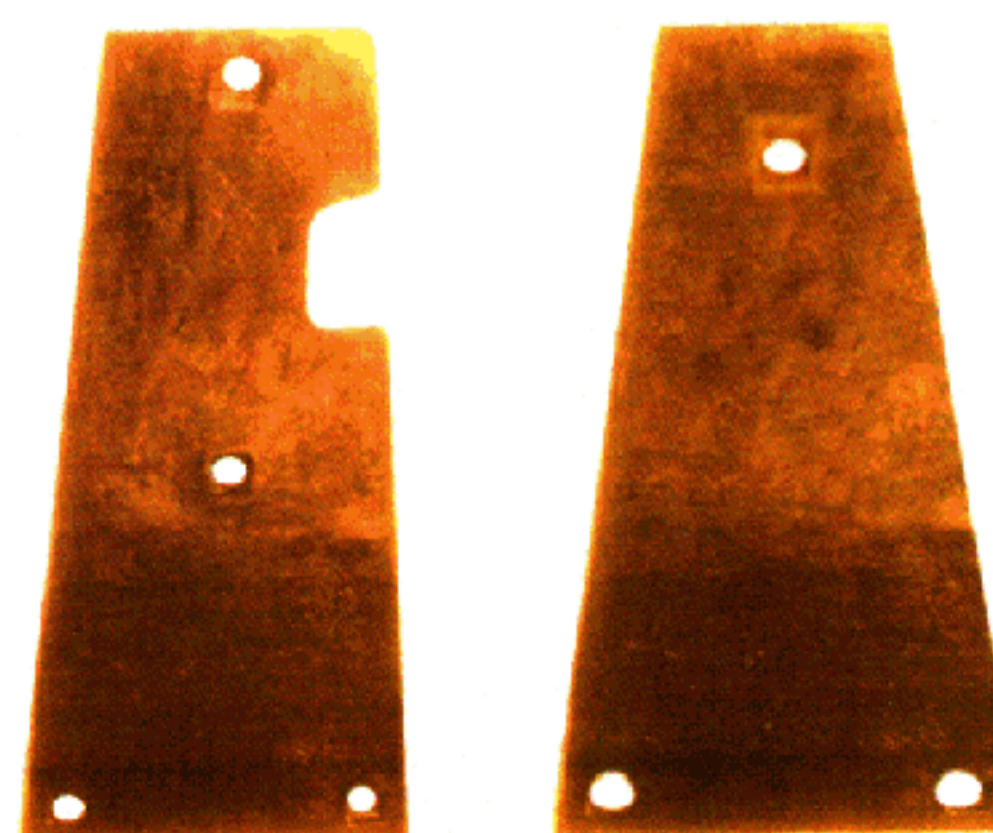
1

2

3

4

- 1. Tooth Holder for Hitachi
- 2. Tooth Holder
- 3. Tooth Point - Hitachi Small
- 4. Tooth Point - Hitachi Big



Side Plate for stone Crusher