JAI MATA DI ENTERPRISES

- Converting Waste to Wealth
- Strategic Imperatives for Optimization of Slag processing
- Ensuring a Safe and Healthy Work Environment

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Amit Kumar
Director

“ We are all born with a divine fire in us. Out efforts should be to give wings to this fire and fill the world with the glow of its goodness”

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About Us

We are among One of the largest iron & steel Slag Recycler,generated from any kind of Melting Furnaces vie to feed the hunger for metal.

After toiling on Slag recycling, the slag that was slump or waste for an industry which became a matter drifting it up since 2002 and growing up exponentially, the companies that manufacture steel suddenly found us prominent as we make their waste into matter by extracting steel from slag.

We at **Jai Mata Di Enterprises** are doing the work of METAL SLAG PROCESSING, in this we process the waste (slag) generated during the melting of iron and steel in any kind of melting furnaces (EAF, EOF, BOF, MBF, INDUCTION, CONVERTOR etc)

Recognition by the wider recovering of Metal in Slag(waste) of melting furnaces and business is very rare in steel industries, but when we started it in the slag processing industry in early 2002 with manual operation and till now the market is not ordinary as we moved to total automation and recovering around 8% metal of the slag weight.

From there we started the path of growth and never looked back and installed more than 25 units in pan INDIA.

JMD ENTERPRISES can produce large quantity of scrap steel for its customers. With total current capacity to process 1.25 MN Metric Tonne and recovering 100,000 TONNS scarp steel per year for its clients.

Capital Benifits

100 MT Finished steel produced, Generating APPROX 16 MT slag (Waste)of which 90 % has piled up in landfills and non-productive uses While just 10 % has been recycled only in few places, now here comes our organization **JMD ENTERPRISES** into Vital ROLE in giving CAPITAL BENIFITS to Organization we associate across demographics By recovering (Approx. 8% of SCRAP STEEL recovered in per tonne of slag processed) which's value is approx.$300/tonne.

Upon making of 100 MT of liquid metal
16 MT OF SLAG may be generated and with it we can recover around 1.28 MT (Aproxx %) SCRAP STEEL
SCARAP STEEL VALUE=$300/ MT (approx.)
Cost BENEFITS: - 1.28 x 300=(approx.) $384 for 16 tonne of slag which was a total waste for an organization

Remanufacture Benefits

The left out after recovering of 8% scrap steel from steel slag into a construction material through a proprietary treatment for construction purpose method. Steel slag aggregates have been used

commercially in the region for road surfacing. Countries like Singapore and Malaysia are using such construction material for both public and private roads are huge in demand at a rate of SG $ 27/tonne.

The formulation of road mixes using steel slag as aggregates has shown to give better rut resistance and mechanical stability, which indicates a more lasting wearing course for the road.

Environmental Benefits

Steel slag is a by-product formed during the steel manufacturing process. It is a non-metallic ceramic material formed from the reaction of flux such as calcium oxide & the inorganic non-metallic components present in the steel scrap. The use of steel slag reduces the need of natural rock as constructional material, hence preserving our natural rock resources and reducing the need for dumping ground while preserving the environment.

Steel slag contains significantly higher calcium oxide and iron oxide compared to granite rock. Granite rock contains high silica and alumina content and is generally hydrophilic.

Components	Steel Slag(wt%)	Granite rock(wt%)
SiO2	<20	59
CaO	25-50	5
FeO	22-35	7
MgO	4-7	3.5
MnO	6-8	-
Al2O3	3-9	15

The good resistance to stripping and high PSV value exhibited by the steel slag aggregates indicates that the material is more superior to natural granite as road surfacing material. The superior adhesion of the steel slag with bitumen would also minimize potential moisture damage of the steel slag mix.

Reduce

Decreasing the amount of material, energy and other resources used to create steel.

Reuse

Reuse in using an object or material again, either for its original purpose or for a similar purpose, without significantly altering the physical form of the object or material

Remanufacture

The process of restoring durable used steel products to as-new condition.

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Recycle

Melting steel products at the end of their useful life to create new steels. Recycling alters the physical form of the steel object so that a new application can be created from the recycled material.

VISION AND VALUES FOR SUSTAINBILTY GROWTH

As there are very rare scrap steel producers from Slag, we are dedicated to both managing our operations responsibly and to continuous improvement. We are committed to extract scrap steel from slag with maximum, use fewer resources to produce. Our scram is used back by the steel manufacturer and supports the performance of company in most efficient and recycled way.

Above all, we operate in a way that is safe for our people and respectful to the environment. We behave responsibly and with care towards the communities surrounding and impacted by our operations. As champions of waste utilization.

Mission

To be the leading company in Iron & steel Slag processing for producing Scrap steel and innovative solutions provider for solid waste recycling and maximising shareholders' return while preserving the environment.

Consultancy

We are having a team of dedicated professionals who will examine your slag and will provide a detailed report about the composition of raw material (slag) based on that we predict the recovery and accordingly we plan our project potential which help us to increase the recovery of steel from slag.

Details provided to our clients: -

1. Process Description.
2. Various Uses.
3. Designing.
4. Process Flow Chart
5. Running procedure.
6. Layout.
7. Civil Drawing.
8. Procurement of machineries.
9. Installation.
10. S.O. P
11. Safety.
12. R.O. I
13. Any specific requirement.

Our Approach

We are having a team of dedicated professionals who will examine your slag and By collaborating with steel manufacturing companies, **we only demand small area in their premises with water and electricity support and then we setup plant and recycle their slag (waste) generated from any kind of steel meltingfurnaces** and **recover approx. 8% of scrap steel which is used back by the company itself.**

Balance 92% can be used as aggregate for construction material

"Aligned with Steel manufacturers and corporate strategic objectives, production of 'SCRAP STEEL 'expected to give Commercial benefits and recycle waste thereby, protecting the environment and enhancing the core brand value"
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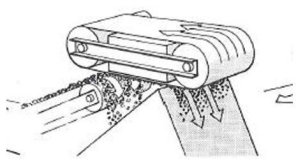
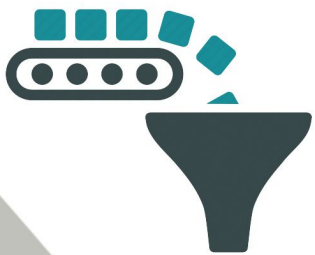
Turnkey Project

We make the alliance with the organization through consolidation in their premises as a separate entity and takes complete responsibility of the entity which includes following process: -

1. Project selection
2. Approvals
3. Setup Machinery and Technology
4. Slag
5. Consultancy
6. Unit development
7. Production process
8. Goods inspection
9. Trouble shooting
10. Finished goods





Clients

With 7 manufacturing plants in various parts in India like Karnataka, Telangana, Andrapradesh, Chhattisgarh, GOA etc .JMD ENTERPRISES can produce large quantity of scrap steel for its customers. The total current capacity to process 1.25 MN Mt and recovering 100,000 TONNS scarp steel per year for its clients.

REGIONAL POWERS. Most of the companies rounding out the list have built successful regional companies by providing strong customer service, taking advantage of growth opportunities and trading commodities wisely.

Organizations with Whom We Are Associated.

Prakash

Jayaswal Neco Industries Ltd.
An ISO 9001:2008 Certified Company

KALYANI

MANGAL TMT

MUKAND
Infinite resolve

STEEL EXCHANGE INDIA LTD.
VIZAG PROFILES GROUP

Super Smelters LTD.

OUR STEEL YOUR STRENGTH
Sunvik Steels Pvt. Ltd.

"Converting Waste to Wealth"

JMD