



INNOVATION IN EVERY OUNCE

TRANSFORMING LOW-GRADE MANGANESE AND IRON ORES INTO
HIGH-VALUE RESOURCES



ABOUT US

Acore Industries Private Limited (formerly Jayaalaxmi Mineral Private Limited) was established in April 2008 by a team of entrepreneurs and technical experts in the Iron and Manganese ore sector. Our primary plant is located in Nandihalli village, approximately 6 kilometers from Sandur, Bellary District, Karnataka State. With a processing capacity of 100,000 tons per month (1.2 million tons per annum), the plant is fully compliant with Environment and Pollution Control regulations.

WHY CHOOSE US?

- ✓ Meet the raw material demands of the iron and steel industry with our iron and manganese products.
- ✓ Evaluate and implement diverse, need-based solutions.
- ✓ Maintain harmony with people, the environment, and stakeholders.





FACILITY AVAILABLE AT MAGNES ORE PVT LTD.

Dewatering

Jigging

Briquetting

Scrubbing and Washing

Classification Units

Magnetic Separati...

With a state-of-the-art beneficiation facility boasting a capacity of 250 TPH and a briquetting capacity of 25 TPH, Magnes Ore Pvt Ltd is committed to producing high-quality manganese concentrates that meet the evolving needs of the industry. A team of experts, with extensive knowledge and experience, ensures that every step of the process – from extraction to processing – is conducted with utmost care and precision.





MAGNES ORE PVT LTD

Magnes Ore Pvt Ltd is a cutting-edge mining and mineral processing company located in the picturesque village of Selwa, Katangi, Balaghat, Madhya Pradesh. Established in 2024, the company has been at the forefront of innovation and sustainability in the mining industry. Its mission is to unlock the potential of low-grade manganese ores through advanced beneficiation techniques and value addition via briquetting.



SUPERIOR QUALITY MANGANESE BRIQUETTES

MOPL Manganese briquettes offer a uniform and consistent composition, which leads to predictable and stable reactions during the alloying process. This consistency enhances the overall efficiency of ferro alloy production.



MOPL does beneficiation process used in making manganese briquettes ensures that impurities are minimized, resulting in higher purity raw material for the ferro alloy industry.

MOPL Manganese briquettes are a valuable innovation in the ferro alloy industry, offering numerous advantages in terms of efficiency, handling, environmental impact, and economic benefits. By leveraging the potential of low-grade manganese ores and transforming them into high-quality briquettes, the ferro alloy industry can achieve more sustainable and cost-effective production processes.

Manganese briquettes can be produced from low-grade manganese ores, making them a cost-effective alternative to higher-grade ores. The improved efficiency and optimized smelting process associated with briquette use can result in significant energy savings, reducing overall production costs.





ADVANTAGES OF MOPL BRIQUETTES

Reduced Dust and Losses: Briquettes produce significantly less dust compared to loose manganese ore fines, reducing material losses during handling, storage, and transportation.

Ease of Transportation: The compact and dense nature of briquettes makes them easier to transport and handle, reducing the risk of spillage and contamination.

Reduction in Waste: By utilizing fines that would otherwise be considered waste, the production of manganese briquettes contributes to waste reduction and promotes resource efficiency.



Lower Emissions: The use of briquettes can lead to lower emissions during the smelting process due to their higher purity and more controlled combustion, supporting environmental sustainability goals.



PRODUCT RANGE

PRODUCT RANGES OF ACORE INDUSTRIES PVT LTD.						
Products at Acore	Industry	Size in mm	Mn%	Fe%	SiO ₂ %	P%
Washed Fe-MnOre Lumps	Silico-Manganese above 3 MVA Furnace	10-40 mm or 40-100 mm	26-34	22-28	6-8	<0.06
Washed Fe-Mn ore Aggregates	Silico-Manganese below 6 MVA Furnace	1-12 mm	28-32	24-28	6-8	<0.06
Washed Fe-Mn Ore Fines	Sinter Plant	-2 mm+100#	26-32	26-28	6-8	<0.06
Mn Ore Briquettes	Silico-Manganese above 3 MVA Furnace	40 mm	22-30	26-30	8-10	<0.07

Mn-Ore PRODUCT RANGES OF MAGNES ORE PVT LTD						
Products of MAGNES	Industry	Size in mm	Mn%	Fe%	SiO ₂ %	P%
MnOre Lumps	Silico/Ferro-Manganese above 3 MVA Furnace	10-40 mm or 40-100 mm	35-45	5-10	12-18	0.1-0.12
Mn-ore Aggregates	Silico/Ferro-Manganese above 2 MVA Furnace	1-12 mm	30-45	5-12	14-20	0.1-0.12
Mn Ore Briquettes	Silico/Ferro-Manganese above 2 MVA Furnace	40-50 mm	35-45	5-10	12-18	0.1-0.12

IRON ORE PRODUCTS RANGES OF ACORE INDUSTRIES PVT LTD							
Commodity	Industry	Size in mm	Fe%	SiO ₂ %	P%	S%	TI%
Washed Iron Ore Lumps	Blast Furnace	10-40 mm	>63	<4	<0.05	<0.02	<74
Iron Ore Concentrate	Pellet Plant	-100#	>63	<3	<0.05	<0.02	-
Washed Iron Ore Fines	Sinter Plant	-5 mm+100#	>62	<5	<0.05	<0.02	-
Scrubbed Iron Ore Lumps	Sponge (DRI) Plant	5-20 mm	>60	<6	<0.05	<0.02	>78

"UNLOCKING THE POTENTIAL OF LOW-GRADE ORES TODAY FOR A SUSTAINABLE AND PROSPEROUS TOMORROW."

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