

Hematite from Iron Ore/Lumps

[Haematite, mineral form of iron(III) oxide
(Fe₂O₃), Oxide Minerals]

Manufacturing Plant, Detailed Project Report, Profile,
Business Plan, Industry Trends, Market Research,
Survey, Manufacturing Process, Machinery, Raw
Materials, Feasibility Study, Investment
Opportunities, Cost and Revenue, Plant Economics,
Production Schedule, Working Capital Requirement,
plant layout, process flow sheet, Cost of Project,
Projected Balance Sheets, Profitability Ratios,
Break Even Analysis



Introduction

Hematite is one of the most abundant minerals on Earth's surface and in the shallow crust. It is an iron oxide with a chemical composition of Fe_2O_3 . It is a common rock-forming mineral found in sedimentary, metamorphic, and igneous rocks at locations throughout the world. Hematite is the most important ore of iron. Although it was once mined at thousands of locations around the world, today almost all of the production comes from a few dozen large deposits where significant equipment investments allow companies to efficiently mine and process the ore. Most ore is now produced in China, Australia, Brazil, India, Russia, Ukraine, South Africa, Canada, Venezuela, and the United States.

Hematite has a wide variety of other uses, but their economic significance is very small compared to the importance of iron ore. The mineral is used to produce pigments, preparations for heavy media separation, radiation shielding, ballast, and many other products. The most important iron ore types found in India are hematite and magnetite. Nearly 61% of hematite ore deposits are found in the eastern part of India and 82% of magnetite ore deposits occur in southern part of India, especially in the state of Karnataka. Iron ore Hematite contains 60 per cent to 70 per cent pure iron and is found in Andhra Pradesh, Jharkhand, Orissa, Chhattisgarh, Goa, Karnataka, Maharashtra and Rajasthan. Therefore, it is a good project for entrepreneurs to invest

Few Indian Major Players are as under

- Adhunik Alloys & Power Ltd.
- Atibir Industries Co. Ltd.
- Bajrang Metalics Ltd.
- Banspani Iron Ltd.
- Canara Overseas Ltd.
- Chaman Metalics Ltd.

- Comfoams Ltd.
- Concast Steel & Power Ltd.
- Khedaria Ispat Ltd.
- Kundil Sponge Iron Ltd.
- M B Ispat Corpn. Ltd.
- M G M Minerals Ltd.
- M S P L Ltd.

- Shree Sidhballi Ispat Ltd.
- Shri Hare-Krishna Sponge Iron Ltd.
- Steel Exchange India Ltd.
- Suraj Products Ltd.
- Tata Sponge Iron Ltd.
- V S L Steels Ltd.
- Vikas Metaliks & Energy Ltd.
- Yazdani Steel & Power Ltd.

PROJECT AT A GLANCE

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	160.80	160.80	Capital	0.00	270.25	270.25
Buildings	0.00	226.50	226.50	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	416.05	416.05	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	76.00	76.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	90.00	90.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	810.75	810.75
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	40.00	40.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	60.65	60.65				
TOTAL	0.00	1081.00	1081.00	TOTAL	0.00	1081.00	1081.00



PROJECT AT A GLANCE

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
	₹	₹	₹	₹	₹	%	₹	%	₹		%
1-2	5.79	9.78	15.79	24.00	0.00	100.00	5.79	0.00	5.79	1.00	0.00
2-3	8.60	12.10	24.40	18.00	0.00	100.00	8.60	0.00	8.60	1.00	0.00
3-4	11.40	14.47	35.80	12.00	0.00	100.00	11.40	0.00	11.40	1.00	0.00
4-5	14.14	16.84	49.94	6.00	0.00	100.00	14.14	0.00	14.14	1.00	0.00
5-6	16.80	19.19	66.73	0.00	0.00	100.00	16.80	0.00	16.80	1.00	0.00

PROJECT AT A GLANCE

Year	D. S. C. R.			Debt / - Deposit s Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnove r Ratio	Curren t Ratio
	Individu al	Cumulati ve	Overall					GPM	PBT	PAT	Net Contrib ution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.40	1.40		1.52	1.52	2.22		14.66%	8.55%	6.04%	886.74	34.21 %	2.00	1.00
2-3	1.71	1.55		0.74	0.74	1.26		16.52%	11.65%	7.69%	1029.79	34.05 %	2.13	1.33
3-4	2.07	1.71	2.07	0.34	0.34	0.74		17.78%	13.86%	8.92%	1176.79	34.05 %	2.13	1.71
4-5	2.51	1.88		0.12	0.12	0.45		18.64%	15.45%	9.83%	1323.79	34.05 %	2.05	2.14
5-6	3.04	2.07		0.00	0.00	0.27		19.22%	16.61%	10.51%	1470.79	34.05 %	1.92	3.47



PROJECT AT A GLANCE

BEP

BEP - Maximum Utilisation Year

5

Cash BEP (% of Installed Capacity)

46.78%

Total BEP (% of Installed Capacity)

51.17%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)

28.11%

Payback Period of the Project is (In Years)

2 Years 3 Months

Fixed Assets Coverage Ratio (No. of times)

7.442



Major Queries/Questions Answered in the Report?

1. What is Hematite from Iron Ore/Lumps industry?
2. How has the Hematite from Iron Ore/Lumps industry performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of a Hematite from Iron Ore/Lumps Plant?
4. What are the requirements of Working Capital for setting up a Hematite from Iron Ore/Lumps project?
5. What is the structure of the Hematite from Iron Ore/Lumps Business and who are the key/major players?

6. What is the total project cost for setting up a Hematite from Iron Ore/Lumps plant?
7. What are the operating costs for setting up a Hematite from Iron Ore/Lumps project?
8. What are the machinery and equipment requirements for setting up a Hematite from Iron Ore/Lumps project?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Hematite from Iron Ore/Lumps project?
10. What are the requirements of raw material for setting up a Hematite from Iron Ore/Lumps Business?

- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Hematite from Iron Ore/Lumps plant?**
- 12. What is the Manufacturing Process and Formulations of a Hematite from Iron Ore/Lumps plant?**
- 13. What is the total size of land required for setting up a Hematite from Iron Ore/Lumps plant?**
- 14. What will be the income and expenditures for a Hematite from Iron Ore/Lumps plant?**
- 15. What are the Projected Balance Sheets of a Hematite from Iron Ore/Lumps plant?**

16. What are the requirement of utilities and overheads for setting up a Hematite from Iron Ore/Lumps plant?
17. What is the Built up Area Requirement and cost for setting up a Hematite from Iron Ore/Lumps Business?
18. What are the Personnel (Manpower) Requirements for setting up a Hematite from Iron Ore/Lumps Business?
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Report Compilation



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- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*



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