

Ferroalloys

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

Introduction

Ferroalloys have been developed to improve the properties of steels and alloys by introducing specific alloying elements in desirable quantities in the most feasible technical and economic way. Ferroalloys Plays major role in Steel Production and industrial development.

These are iron based alloys with varied elements introduced in steel making to cater to the specific needs. These are specified additions to the production of steel for various applications. It also has application in the field of production of low- carbon steel, for producing low-carbon ferromanganese, for producing low-carbon ferrochrome.

The major users of alloy steel are: auto industry, railways, forgings, tubes, springs and other engineering industries.

The demand for ferro alloys has been increasing with that of alloy and special steels. There are six leading players and over 30 small producers.

The industry has tied up with companies in Europe for technology inputs. Ferro manganese along with Fe-Si, Fe-Cr, is a bulk ferro-alloy. Iron for Farm implements uses up to 1.75% Mn and also in automobile parts. Ship construction industry uses steels with even higher content; riffle barrels and heat treated forgings necessarily use ferro manganese as an alloying additive.

Few Major Players are as under:-

- **Acme Ferro Alloys Pvt. Ltd.**
- **Alok Ferro Alloys Ltd.**
- **Andhra Ferro Alloys Ltd.**
- **Anjaney Ferro Alloys Ltd.**
- **Baheti Metal & Ferro Alloys Ltd.**
- **Balasore Alloys Ltd.**
- **Baroda Ferro Alloys & Inds. Ltd.**
- **Bhaskar Shrachi Alloys Ltd.**
- **Bhupco Alloys Ltd.**

- **Corporate Ispat Alloys Ltd.**
- **Cronimet Alloys India Ltd.**
- **Dandeli Ferro Pvt. Ltd.**
- **Facor Alloys Ltd.**
- **Ferro Alloys Corp. Ltd.**
- **Hindustan Ferro & Inds. Ltd.**
- **Hira Ferro Alloys Ltd.**
- **Impex Ferro Tech Ltd.**
- **Indian Metals & Alloys Ltd.**

- Jagat Alloys Pvt. Ltd.
- Jindal Ferro Alloys Ltd. [Merged]
- Karthik Alloys Ltd.
- Maithan Alloys Ltd.
- Muskan Ferro Silicons Ltd.
- Sharp Ferro Alloys Ltd.
- Shri Ganesh Ferro Alloys Ltd.
- Universal Ferro & Allied Chemicals Ltd.

- **V B C Ferro Alloys Ltd.**
- **V B C Industries Ltd.**
- **Shyam Century Ferrous Ltd. [Merged]**
- **Shyam Ferro Alloys Ltd.**
- **Snam Alloys Ltd.**
- **Sova Ispat Alloys Ltd.**
- **Srinivasa Ferro Alloys Ltd.**

Project at a Glance

USD in Thousands

PROJECT AT A GLANCE				(USD in Thousands)			
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	800.00	800.00	Capital	0.00	6439.53	6439.53
Buildings	0.00	5482.00	5482.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	10050.00	10050.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	50.00	50.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	6409.00	6409.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	1700.00	1700.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	19318.59	19318.59
Preliminary & Pre-operative Exp	0.00	170.00	170.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	100.00	100.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	997.12	997.12				
TOTAL	0.00	25758.12	25758.12	TOTAL	0.00	25758.12	25758.12



Project at a Glance

USD in Thousands

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	
	USD	USD	USD	USD	USD	%	USD	%	USD		%
1-2	449.51	901.90	459.51	2400.00	0.00	100.00	449.51	0.00	449.51	1.00	0.00
2-3	709.43	1107.03	1168.95	1800.00	0.00	100.00	709.43	0.00	709.43	1.00	0.00
3-4	967.14	1317.28	2136.09	1200.00	0.00	100.00	967.14	0.00	967.14	1.00	0.00
4-5	1219.10	1528.10	3355.18	600.00	0.00	100.00	1219.10	0.00	1219.10	1.00	0.00
5-6	1463.58	1736.89	4818.76	0.00	0.00	100.00	1463.58	0.00	1463.58	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.32	1.32		1.66	1.66	2.11		17.62%	9.83%	7.15%	18363.31	45.34%	1.47	0.89
2-3	1.59	1.45		0.83	0.83	1.18		20.48%	14.53%	9.67%	21336.31	45.16%	1.63	1.27
3-4	1.91	1.59	1.91	0.38	0.38	0.66		22.43%	17.88%	11.53%	24382.27	45.15%	1.68	1.74
4-5	2.29	1.74		0.14	0.14	0.36		23.77%	20.30%	12.92%	27428.23	45.15%	1.64	2.28
5-6	2.76	1.91		0.00	0.00	0.18		24.68%	22.07%	13.96%	30474.19	45.15%	1.55	4.51

Project at a Glance

BEP

BEP - Maximum Utilisation Year

5

Cash BEP (% of Installed Capacity)

45.30%

Total BEP (% of Installed Capacity)

51.07%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)

24.36%

Payback Period of the Project is (In Years)

2.986 Years

Fixed Assets Coverage Ratio (No. of times)

5.103

Major Queries/Questions Answered in the Report?

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

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

11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Ferroalloys plant?
12. What is the Manufacturing Process and Formulations of a Ferroalloys plant?
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14. What will be the income and expenditures for a Ferroalloys plant?
15. What are the Projected Balance Sheets of a Ferroalloys plant?

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18. What are the Personnel (Manpower) Requirements for setting up a Ferroalloys plant?
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3.3. Is: 12306:1987: Methods Of Test For Direct Arc Melting Furnaces

3.4. Is: 12977:1990: Arc Furnace Transformers– Specification

3.5. Bs: 7686 :Submerged Arc Test Methods

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Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



What do we offer?

- *Project Identification*
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- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

Sectors We Cover Cont...

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

Sectors We Cover Cont...

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

Sectors We Cover Cont...

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

Sectors We Cover Cont...

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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