

Dolomite Bricks

Dolomite Refractory Bricks, Fire Bricks

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

Refractories are necessary in the metallurgical, cement, glass, and machine tools industries where kilns and furnaces are used for value addition process to materials. Dolomite refractories are currently in use in some countries such as China, France, England India etc. Dolomite refractories have wide applications in the steel industry where it is used in open hearth, basic oxygen converters and other steel refining systems.

Dolomite is environmentally friendly and can be used for the production of pure and extra low carbon steels. Dolomite that is ceramically bonded exhibit high hot erosion resistance. Good quality dolomite, with low silica content is thermo dynamically stable and has a significantly high heat sink characteristics. These qualities make dolomite refractory preferable to silica, alumina and even magnesite chrome refractories.

Dolomite mineral is a double carbonate of calcium and magnesium having the formula $\text{CaMg}[\text{CO}_3]_2$. It is slightly hard, transparent, and forms rhombohedrons as its typical crystal habit. Dolomite used for refractory purpose should be hard and compact with uniform texture containing very low percentages of iron, silica, alumina etc.



Few Indian Major Players are as under

- Aditya Lime Inds. Ltd.
- Bisra Stone Lime Co. Ltd.
- Essel Mining & Inds. Ltd.
- Femnor Mineral (India) Ltd.
- Kohinoor Steel Pvt. Ltd.
- M M T C Ltd.
- Maharashtra State Mining Corpn. Ltd.
- Mahavir Minerals Ltd.
- C L India Ltd.
- Rashmi Cement Ltd.
- Trimex Industries Pvt. 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	10.00	10.00	Capital	0.00	442.61	442.61
Buildings	0.00	331.40	331.40	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	1138.00	1138.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	10.00	10.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	73.50	73.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	35.00	35.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1327.82	1327.82
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	108.00	108.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	61.53	61.53				
TOTAL	0.00	1770.43	1770.43	TOTAL	0.00	1770.43	1770.43



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	
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs		%
1-2	4.40	9.63	14.40	24.00	0.00	100.00	4.40	0.00	4.40	1.00	0.00
2-3	7.14	11.65	21.54	18.00	0.00	100.00	7.14	0.00	7.14	1.00	0.00
3-4	9.87	13.76	31.40	12.00	0.00	100.00	9.87	0.00	9.87	1.00	0.00
4-5	12.55	15.91	43.96	6.00	0.00	100.00	12.55	0.00	12.55	1.00	0.00
5-6	15.17	18.06	59.13	0.00	0.00	100.00	15.17	0.00	15.17	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	1.39	1.39		1.67	1.67	1.92		23.38%	11.72%	9.66%	1441.26	71.49%	1.10	0.90
2-3	1.66	1.52		0.84	0.84	1.03		28.46%	19.41%	13.43%	1681.11	71.48%	1.23	1.45
3-4	1.98	1.66	1.99	0.38	0.38	0.53		31.93%	24.83%	16.25%	1921.26	71.48%	1.27	2.15
4-5	2.38	1.82		0.14	0.14	0.26		34.34%	28.74%	18.38%	2161.41	71.48%	1.25	2.97
5-6	2.87	1.99		0.00	0.00	0.10		36.00%	31.57%	19.98%	2401.56	71.47%	1.18	7.89

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	50.49%
Total BEP (% of Installed Capacity)	55.83%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	26.15%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	3.846



Major Queries/Questions Answered in the Report?

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

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

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

16. What are the requirement of utilities and overheads for setting up a Dolomite Bricks plant?
17. What is the Built up Area Requirement and cost for setting up a Dolomite Bricks Business?
18. What are the Personnel (Manpower) Requirements for setting up a Dolomite Bricks Business?
19. What are Statistics of Import & Export for Corn Flakes?
20. What is the time required to break-even?

21. What is the Break-Even Analysis of a Dolomite Bricks plant?
22. What are the Project financials of a Dolomite Bricks plant?
23. What are the Profitability Ratios of a Dolomite Bricks plant?
24. What is the Sensitivity Analysis-Price/Volume of a Dolomite Bricks plant?
25. What are the Projected Pay-Back Period and IRR of a Dolomite Bricks plant?

26. What is the Process Flow Sheet Diagram of a Dolomite Bricks plant?
27. What are the Market Opportunities for setting up a Dolomite Bricks plant?
28. What is the Market Study and Assessment for setting up a Dolomite Bricks plant?
29. What is the Plant Layout for setting up a Dolomite Bricks Business?

Table of Contents of the Project Report

Table of Contents

1. PROJECT LOCATION

1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION

- 1.1.1. General
- 1.1.2. Location & Geographical Area
- 1.1.3. Topography
- 1.1.4. Administrative set up
- 1.1.5. Map
- 1.1.6. Industry at a Glance
- 1.1.7. Large & Medium Scale Industries
- 1.1.8. Potentials Areas for Service Industry

2 INTRODUCTION

3. USES AND APPLICATION

4. PRODUCTION DESCRIPTION

5. SPECIFICATION – DOLOMITE BRICK

6. MARKET SURVEY

6.1. GOVERNMENT POLICIES AND PROGRAMS

6.2. COMMODITY REVIEW

- 6.3. DOLOMITE MINING COMPANY IN BHUTAN
- 6.4. JIGME INDUSTRIES PVT. LTD.

7. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

- 7.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 7.2. PROFITS & APPROPRIATIONS
- 7.3. TOTAL LIABILITIES
- 7.4. TOTAL ASSETS
- 7.5. NET CASH FLOW FROM OPERATING ACTIVITIES
- 7.6. SECTION – I

- 7.6.1. Name of Company with Contact Details
- 7.6.2. Name of Director(S)
- 7.6.3. Plant Capacity
- 7.6.4. Location of Plant
- 7.6.5. Name of Raw Material(S) Consumed With Quantity & Cost

7.7. SECTION – II

- 7.7.1. Assets
- 7.7.2. Cash Flow
- 7.7.3. Cost as % Ge of Sales
- 7.7.4. Forex Transaction
- 7.7.5. Growth in Assets & Liabilities
- 7.7.6. Growth in Income & Expenditure

- 7.7.7. Income & Expenditure
- 7.7.8. Liabilities
- 7.7.9. Liquidity Ratios
- 7.7.10. Profitability Ratio
- 7.7.11. Profits
- 7.7.12. Return Ratios
- 7.7.13. Structure of Assets & Liabilities (%)
- 7.7.14. Working Capital & Turnover Ratios

8. EXPORT & IMPORT STATISTICS DATA OF INDIA

- 8.1. EXPORT STATISTICS DATA ON DOLOMITE BRICK
- 8.2. IMPORT STATISTICS DATA ON DOLOMITE BRICK

9. PRESENT MANUFACTURERS

10. RAW MATERIAL

11. RESOURCES OF RAW MATERIAL

12. PRODUCTION AND STOCKS

12.1. CONSUMPTION

13. MANUFACTURING PROCESS

14.PROCESS FLOW DIAGRAM

15.SUPPLIERS OF PLANT & MACHINERY

16.SUPPLIERS OF RAW MATERIAL

17.MACHINERY, RAW MATERIAL & PRODUCT PHOTOGRAPHS

- 17.1. MACHINERY PHOTOGRAPHS
- 17.2. RAW MATERIAL PHOTOGRAPHS
- 17.3. PRODUCT PHOTOGRAPHS

18. PLANT LAYOUT

19. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIE

Project Financials

- **Project at a Glance**

Annexure

- Assumptions for Profitability workings1
- Plant Economics.....2
- Production Schedule.....3
- Land & Building.....4
 - Factory Land & Building
 - Site Development Expenses

- **Plant & Machinery.....5**
 - Indigenous Machineries
 - Other Machineries (Miscellaneous, Laboratory etc.)

- **Other Fixed Assets.....6**
 - Furniture & Fixtures
 - Pre-operative and Preliminary Expenses
 - Technical Knowhow
 - Provision of Contingencies

- **Working Capital Requirement Per Month.....7**
 - Raw Material
 - Packing Material
 - Lab & ETP Chemical Cost
 - Consumable Store

- **Overheads Required Per Month and Per Annum.....8**
 - Utilities & Overheads (Power, Water and Fuel Expenses etc.)
 - Royalty and Other Charges
 - Selling and Distribution Expenses
- **Salary and Wages9**
- **Turnover Per Annum10**
- **Share Capital.....11**
 - Equity Capital
 - Preference Share Capital

- **Annexure 1 :: Cost of Project and Means of Finance**
- **Annexure 2 :: Profitability and Net Cash Accruals**
 - **Revenue/Income/Realisation**
 - **Expenses/Cost of Products/Services/Items**
 - **Gross Profit**
 - **Financial Charges**
 - **Total Cost of Sales**
 - **Net Profit After Taxes**
 - **Net Cash Accruals**

• **Annexure 3 :: Assessment of Working Capital requirements**

- **Current Assets**
- **Gross Working Capital**
- **Current Liabilities**
- **Net Working Capital**
- **Working Note for Calculation of Work-in-process**

• **Annexure 4 :: Sources and Disposition of Funds**

- **Annexure 5 :: Projected Balance Sheets**

- **ROI (Average of Fixed Assets)**
- **RONW (Average of Share Capital)**
- **ROI (Average of Total Assets)**

- **Annexure 6 :: Profitability Ratios**

- **D.S.C.R**
- **Earnings Per Share (EPS)**
- **Debt Equity Ratio**

• **Annexure 7 :: Break-Even Analysis**

- **Variable Cost & Expenses**
- **Semi-Variable/Semi-Fixed Expenses**
- **Profit Volume Ratio (PVR)**
- **Fixed Expenses / Cost**
- **B.E.P**

• **Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume**

- **Resultant N.P.B.T**
- **Resultant D.S.C.R**
- **Resultant PV Ratio**
- **Resultant DER**
- **Resultant ROI**
- **Resultant BEP**

- **Annexure 12 :: Shareholding Pattern and Stake Status**
 - **Equity Capital**
 - **Preference Share Capital**
- **Annexure 13 :: Quantitative Details-Output/Sales/Stocks**
 - **Determined Capacity P.A of Products/Services**
 - **Achievable Efficiency/Yield % of Products/Services/Items**
 - **Net Usable Load/Capacity of Products/Services/Items**
 - **Expected Sales/ Revenue/ Income of Products/ Services/ Items**

- **Annexure 14 :: Product wise Domestic Sales**

Realisation

- **Annexure 15 :: Total Raw Material Cost**
- **Annexure 16 :: Raw Material Cost per unit**
- **Annexure 17 :: Total Lab & ETP Chemical Cost**
- **Annexure 18 :: Consumables, Store etc.**
- **Annexure 19 :: Packing Material Cost**
- **Annexure 20 :: Packing Material Cost Per Unit**

- **Annexure 21** :: **Employees Expenses**
- **Annexure 22** :: **Fuel Expenses**
- **Annexure 23** :: **Power/Electricity Expenses**
- **Annexure 24** :: **Royalty & Other Charges**
- **Annexure 25** :: **Repairs & Maintenance**

Expenses

- **Annexure 26** :: **Other Manufacturing Expenses**
- **Annexure 27** :: **Administration Expenses**
- **Annexure 28** :: **Selling Expenses**

- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
- **Annexure 30 :: Depreciation Charges – as per Books (P & M)**
- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
- **Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)**
- **Annexure 33 :: Interest and Repayment - Term Loans**
- **Annexure 34 :: Tax on Profits**
- **Annexure 35 :: Projected Pay-Back Period and IRR**

Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Dolomite Bricks

See more:

<http://goo.gl/d9F1Ev>

<http://goo.gl/lUCBvj>

<http://goo.gl/aBhozK>

Visit us at

www.entrepreneurindia.co



**Take a look at
NIIR PROJECT CONSULTANCY SERVICES
on #Street View**

<https://goo.gl/VstWkd>

*Locate us on
Google Maps*

<https://goo.gl/maps/BKkUtq9gevT2>

NIIR PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company



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*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Technology Books and Directory*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *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*



- *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.*

- *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*

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

Niir Project Consultancy Services

106-E, Kamla Nagar, New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : www.entrepreneurindia.co

**Take a look at NIIR PROJECT CONSULTANCY SERVICES on
#StreetView**

<https://goo.gl/VstWkd>





➤ <https://www.linkedin.com/company/niir-project-consultancy-services>



➤ <https://www.facebook.com/NIIR.ORG>



➤ <https://www.youtube.com/user/NIIRproject>



➤ <https://plus.google.com/+EntrepreneurIndiaNewDelhi>



➤ https://twitter.com/npcs_in



➤ <https://www.pinterest.com/npcsindia/>





For more information, visit us at:

www.entrepreneurindia.co