

Soda Ash (Light & Soda Ash Dense) Production.

Sodium Carbonate Manufacturing Industry

The market of Soda Ash in India is anticipated to cross \$2.8 billion by the end of 2025.



Introduction

Soda ash also known as sodium carbonate is an alkali chemical refined from trona ore. It is an odorless powder which is not toxic, flammable, and explosive. Soda ash is available in three different grades namely dense soda ash, light soda ash, and washing soda. Dense soda ash is an anhydrous substance mostly used in the manufacturing of industrial chemicals.



Light soda ash is used as pH regulator in various industrial processes. Washing soda is an anhydrous substance that is produced combining light soda with additional molecules of water and used in soaps and washing detergents to improve their cleaning properties.

Sodium carbonate is used in the production of high performance powder detergents for laundry and dish washing. Sodium carbonate is a very efficient source of alkalinity reserve and plays an important role in water softening. As a result it has been approved by many detergent producers in nil-phosphate containing formulations. It may also be used for the direct soaking of clothes, dishwashing, floor washing and for degreasing operations.



Applications of Soda Ash:

- **Detergent Manufacture** – Soda ash is replacing phosphates that were earlier being used in a number of household detergents. Many other cleaning products such as dishwashing soaps also contain varying amounts of soda ash in their formulations.
- **Glass Manufacture** - In the production of glass, glass containers, fiberglass insulation, and many others, soda ash is needed especially because it reduces the melting point of silica.
- It can help in removing stains, alcohol, and grease on clothes – also in coffee pots and espresso makers.

- It can increase the alkaline level in swimming pools which can help in maintaining the PH Levels to balance the water.
- It can also be used for dying clothes.
- It can effectively clean the air.
- It can soften water.
- It can be used as fertilizers
- Our Sodium Carbonate or soda ash is used in food industry as acidity regulator, raising agent and stabilizer.
- It widely used in Soap, detergent, glass, paper and rayon industries.
- It is used in brick industries as wetting agent.



Dense Soda Ash

Dense soda ash is a premium quality product that combines a consistently high sodium carbonate content with very low impurity levels of chlorides and iron. Dense soda ash is guaranteed to be 99.2% pure, but has a typical purity level of 99.8%, resulting in more products when compared to a lower assay soda ash.



Soda Ash Light

Market Outlook

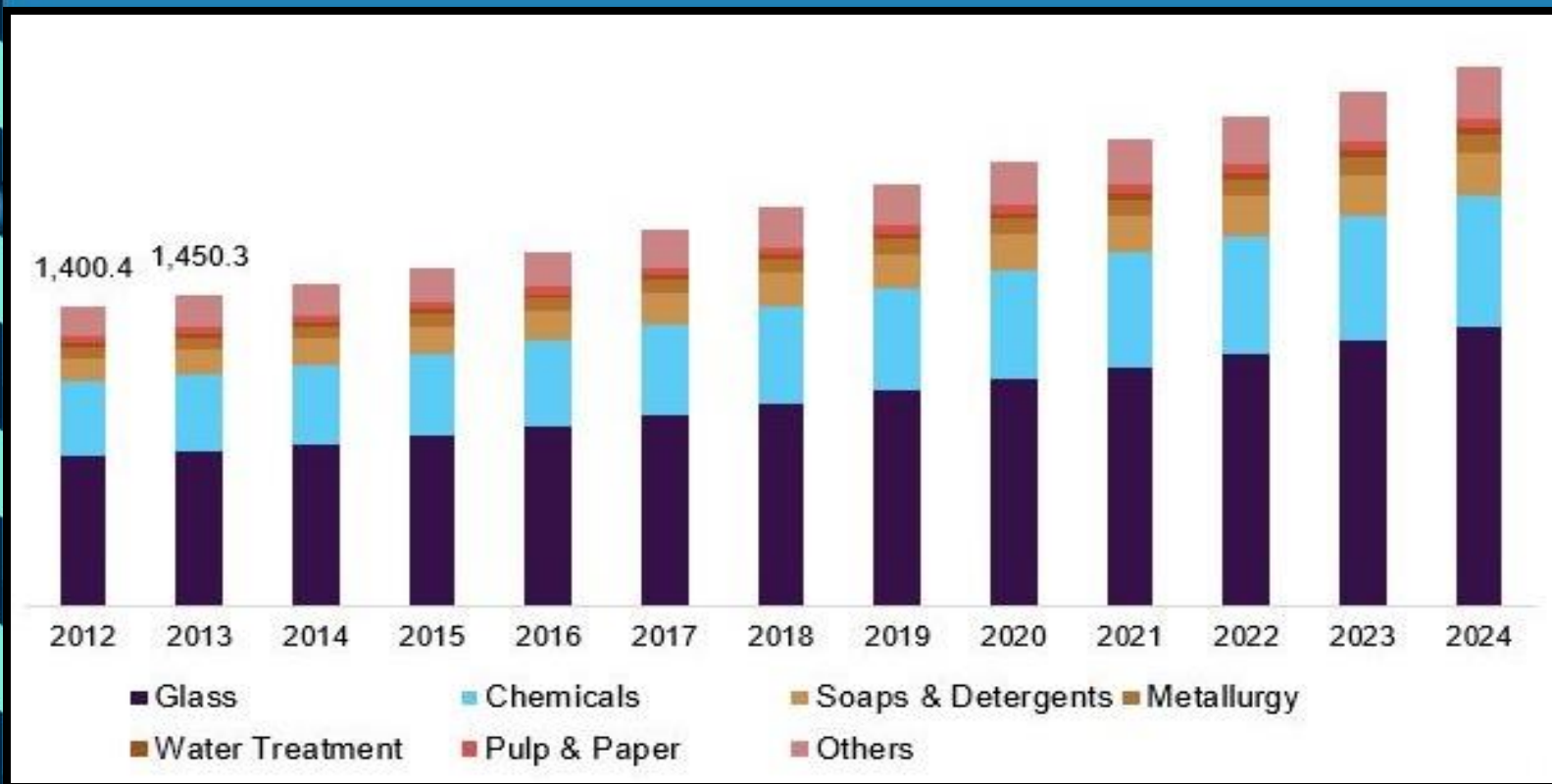
The Global Soda Ash Market is expected to witness a significant growth of ~23.1 billion by 2022 with CAGR of ~4.9% between 2016 to 2022.

Soda ash has found numerous application such as water softening in laundering, food additive, foaming agent in toothpaste, stain remover and many other. Increasing demand for building and construction activities is likely to drive the soda ash market growth. The growing glass industry on account of developing domestic as well as commercial buildings particularly in Asia-Pacific and Middle East has boosted the global soda ash market over the forecasted period. Soda Ash has ability to control Ph value in water and make it softer has opened its paths in water treatment applications.

Market also witnessed significant growth of natural soda ash due to its low-cost benefits. Stringent regulations from developed regions like Europe regarding production of synthetic soda ash through chemical process has fueled the demand for natural soda ash.

The soda ash market is majorly driven by the growing demand for end-user industries. Soda ash is used in manufacturing of flat glass which are used in building & construction activities. Growing demand for soda ash for building and construction is expected to drive the market growth. Growing demand for glass from the end user industry such as automotive is expected to boost the market growth over the forecast period. Lenient regulations for synthetic soda in the Asia Pacific is anticipated to drive the market growth over the forecast period in the region.

U.S. Soda Ash Market Size, by Application, 2012-2024 (USD Million)



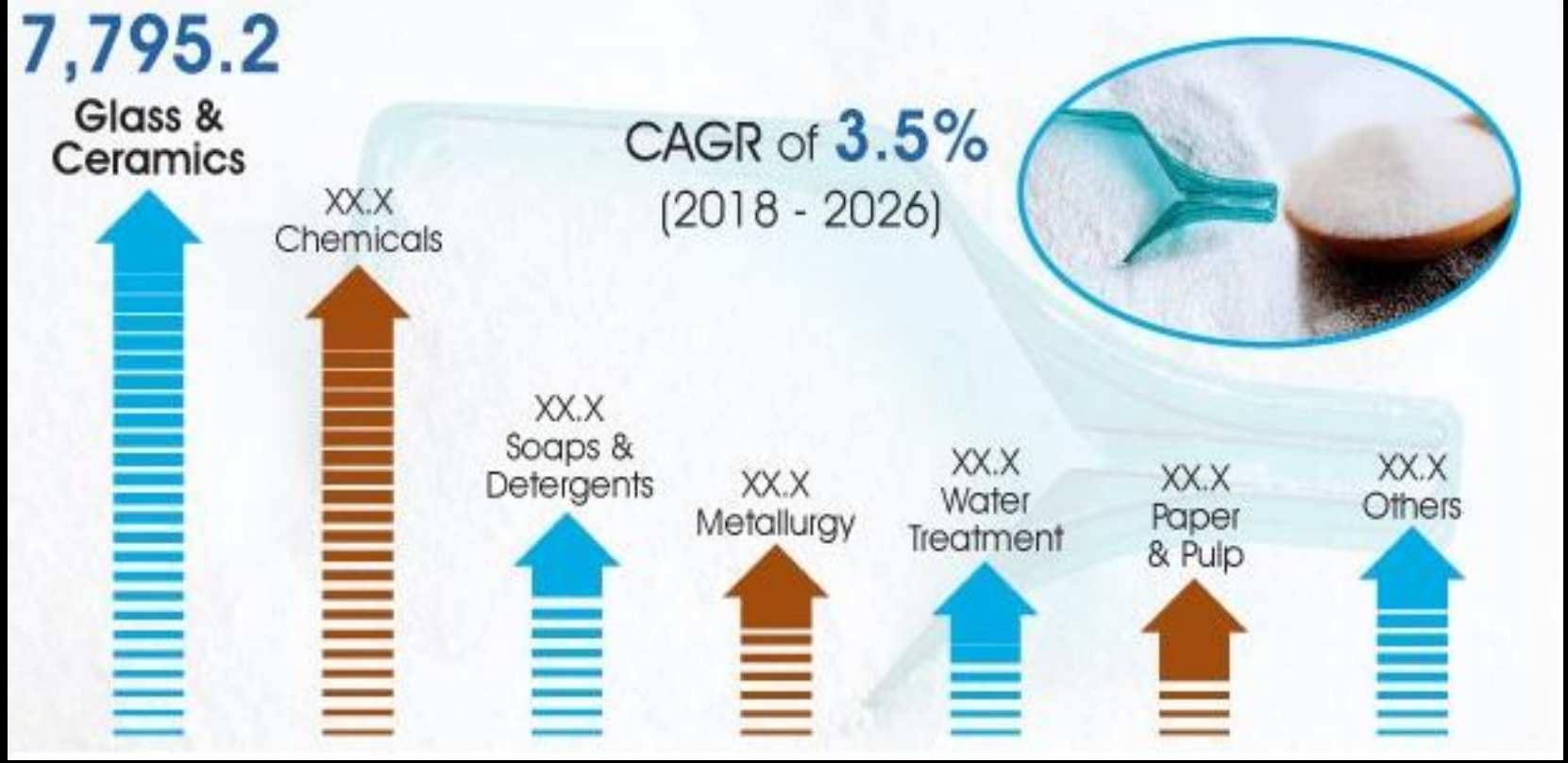
The growth in the end-user industries of Soda Ash and its expanding application base is foreseen to be the major driver boosting the growth of the market during the forecast period. The market is witnessing an exponential demand from the Glass industry, particularly from the container and flat glass sectors. Also, the rising demand for soda ash in soaps & detergents industry, especially in the developing regions is expected to strengthen the market further. The increasing demand for natural soda ash due to its low cost benefits will also contribute to the growth of the market.



Growth in the household detergents market in Europe is likely to drive the soda ash market in the near future. Additionally, increasing demand for soda ash in the construction & building materials industry coupled with rising number of water treatment projects is anticipated to fuel the demand for soda ash during the forecast period. However, competition from substitute products such as caustic soda and sodium silicate may act as a restraining factor in the expansion of the sodium silicate market. Rising necessity of Enhanced Oil Recovery (EOR) in regions such as Europe due to energy conservation policies, high fuel prices, and technological development may open avenues for the growth of the soda ash market in the near future.



Global Soda Ash Market Revenue, End-use Industry, 2017 (US\$ Mn)



Dense soda ash, light soda ash, and baking soda are the three primary grades of soda ash available in the market with similar chemical characteristics but varying physical traits. Light soda is a fundamental alkali chemical used for aluminum cleaning, dyeing, and water softening. Dense soda ash is used in glass manufacturing including flat glass, container glass, plate glass, automotive glass, and curtain wall glass.

Major leaders of the world Soda Ash market are:

Tata Chemicals Ltd, Searles Valley Minerals, Gujarat Heavy Chemicals Ltd, Solvay Chemicals Inc, Soda Sanayii A.S, FMC Corporation, Oriental Chemical Industries, CIECH Soda Romania, Nirma Limited, DCW Limited

India Soda Ash Market

The market of soda ash in India is anticipated to cross \$2.8 billion by the end of 2025. Growing demand for soda ash from numerous industries such as glass, soap & detergents, pulp & paper, etc., is expected to drive the India soda ash market during 2016 – 2025. Moreover, growing applications in construction and chemical industries is further anticipated to positively influence the India soda ash market during forecast period.



Increasing rate of modernization and improving living standards of consumers are positively influencing the demand for soda ash from the country's glass industry. Moreover, electronic goods like smartphones, LCDs, laptops, are also being manufactured at a rapid pace in India, which, in turn, is aiding the country's glass industry, thereby driving the India soda ash market.



Machinery Photographs



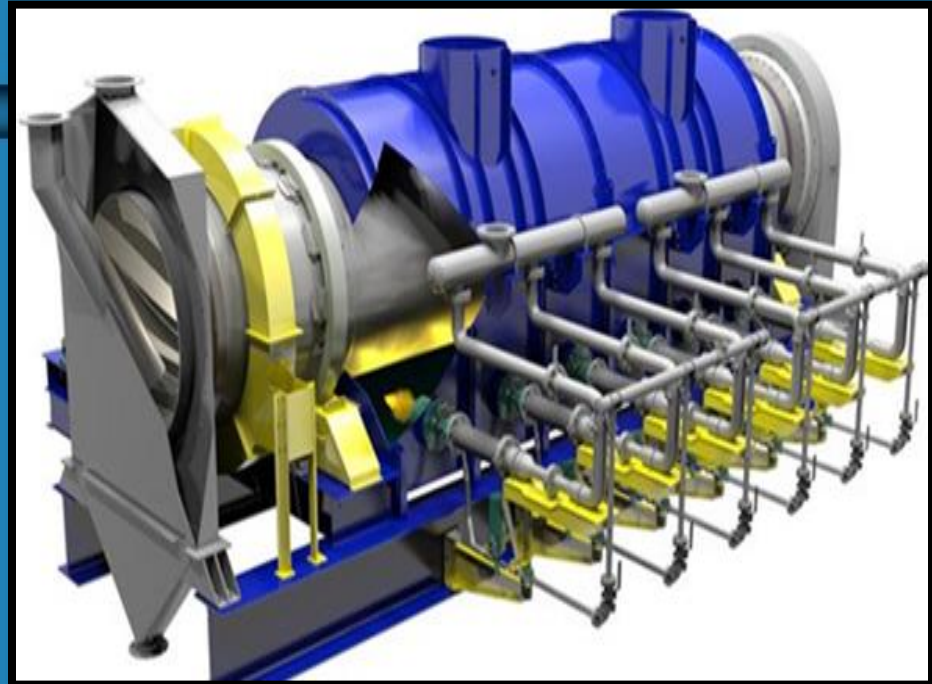
Lime Stone Crusher



Hopper



Screw Feeder



Klin

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propose d	Total
Land & Site Development Exp.	0.00	3100.00	3100.00	Capital	0.00	2584.60	2584.60
Buildings	0.00	1988.00	1988.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	2813.00	2813.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	30.00	30.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	1090.00	1090.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	135.00	135.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	7753.81	7753.81
Preliminary& Pre-operative Exp	0.00	30.00	30.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	260.00	260.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	892.41	892.41				
			10338.41			10338.41	10338.41
TOTAL	0.00	10338.41	10338.41	TOTAL	0.00	10338.41	10338.41

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	
	USD	USD	USD	USD	USD	%	USD	%	USD		%
1-2	594.25	894.38	604.25	2400.00	0.00	100.00	594.25	0.00	594.25	1.00	0.00
2-3	985.34	1246.83	1589.59	1800.00	0.00	100.00	985.34	0.00	985.34	1.00	0.00
3-4	1373.17	1601.33	2962.76	1200.00	0.00	100.00	1373.17	0.00	1373.17	1.00	0.00
4-5	1749.33	1948.71	4712.09	600.00	0.00	100.00	1749.33	0.00	1749.33	1.00	0.00
5-6	2111.39	2285.87	6823.48	0.00	0.00	100.00	2111.39	0.00	2111.39	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		1.51	1.51	3.39		8.33%	4.05%	2.75%	16656.88	29.85%	3.11	1.01
2-3	1.75	1.52		0.70	0.70	2.04		9.75%	6.03%	3.91%	18736.15	28.78%	3.23	1.17
3-4	2.27	1.75	2.26	0.30	0.30	1.30		10.74%	7.47%	4.77%	21396.15	28.76%	3.19	1.37
4-5	2.88	2.00		0.11	0.11	0.87		11.44%	8.51%	5.40%	24056.15	28.74%	3.04	1.61
5-6	3.61	2.26		0.00	0.00	0.62		11.95%	9.28%	5.87%	26716.15	28.73%	2.85	2.10

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	65.59%
Total BEP (% of Installed Capacity)	67.28%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	31.08%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	14.113

Major Queries/Questions Answered in the Report?

- 1. What is Soda Ash (Light & Soda Ash Dense) Manufacturing industry ?**
- 2. How has the Soda Ash (Light & Soda Ash Dense) Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Soda Ash (Light & Soda Ash Dense) Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**

- 5. What is the structure of the Soda Ash (Light & Soda Ash Dense) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing Business?**
- 7. What are the operating costs for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing Business?**
- 12. What is the Manufacturing Process of Soda Ash (Light & Soda Ash Dense)?**

- 13. What is the total size of land required for setting up Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**
- 14. What will be the income and expenditures for Soda Ash (Light & Soda Ash Dense) Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Soda Ash (Light & Soda Ash Dense) Manufacturing plant ?**
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Tags

#Soda_Ash, #Manufacturing_of_Sodium_Carbonate, #Soda_Ash_Manufacturing_and_Process_Flow_Diagram, Sodium Carbonate, Sodium Carbonate Manufacturing, #Manufacture_of_Soda_Ash, Soda Ash Production, Preparation of Sodium Carbonate, Soda Ash Formula, #Production_of_Soda_Ash, Soda Ash Production Business, Soda Ash Manufacture, Manufacture of Soda Ash Light, Soda Ash Dense, #Soda_Ash_Light_and_Dense, Soda Ash Manufacture in India, Producing Soda Ash, Soda Ash Plant, Soda Ash Production Plant, Washing Soda, How to Make Washing Soda, What is the Process for Manufacturing Soda Ash? Production and Applications of Soda Ash, Soda Ash Powder Production Unit, Soda Ash Manufacturing Industry, Dense Soda Ash, Light Soda Ash, #Production_of_Dense_Soda_Ash, #Soda_Ash_Industry, Soda Ash Manufacturing Plant, Soda Ash Light, Washing Soda Production, #Detailed_Project_Report_on_Soda_Ash_Production, Project Report on Soda Ash Production, Pre-Investment Feasibility Study on Soda Ash Manufacturing Industry, Techno-Economic feasibility study on Soda Ash Manufacturing Industry, #Feasibility_report_on_Soda_Ash_Manufacturing_Industry, Free Project Profile on Soda Ash Manufacturing Industry, Project profile on Soda Ash Production, Download free project profile on Soda Ash Production

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Soda Ash (Light & Soda Ash Dense)
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Sodium Carbonate Manufacturing Industry

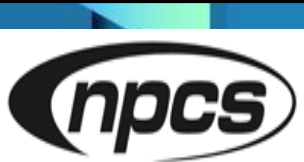
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See more

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