

# Production of *Iodized Table Salt.*

Manufacturing  
Opportunities in  
*Iodised Salt.*



# Introduction

Iodised salt (also spelled iodized salt) is table salt mixed with a minute amount of various salts of the element iodine. The ingestion of iodine prevents iodine deficiency. Worldwide, iodine deficiency affects about two billion people and is the leading preventable cause of intellectual and developmental disabilities. Deficiency also causes thyroid gland problems, including endemic goiter. In many countries, iodine deficiency is a major public health problem that can be cheaply addressed by purposely adding small amounts of iodine to the sodium chloride salt.



Iodine is a micronutrient and dietary mineral that is naturally present in the food supply in some regions, especially near sea coasts, but is generally quite rare in the Earth's crust, since iodine is a so-called heavy element and abundance of chemical elements generally declines with greater atomic mass. Where natural levels of iodine in the soil are low and the iodine is not taken up by vegetables, iodine added to salt provides the small but essential amount of iodine needed by humans.



Salt is existent in all animal and vegetable life and is coeval with life itself. It is a basic element in food of any living being. Salt as a chemical is of significant importance. Salt was the name originally given to the residue left by evaporation of sea water. Afterwards the name was employed to include all substances held in solution in sea water. Chemists ultimately extended the name to cover all combinations of an acid and a base. Sodium chloride (NaCl) now called common salt, is an example of the simplest type of chemical salt. Sodium chloride is an essential constituent of the body fluids and is responsible for a number of vital functions in the body.



# Market Outlook

The global Iodized Salt market was million US\$ in 2018 and is expected to million US\$ by the end of 2025 growing at a CAGR of between 2019 and 2025. The market is dynamic and highly fragmented with the presence of numerous small and domestic players occupying major chunk of the global market share. The flavored salts market is influenced directly by the trends in the food industry, particularly the fast food and meat industries. Flavored salt is no different than regular table salt, except that it contains other herbs and spices to provide more complex flavors. The market is considered a recession-proof market as consumers can use flavored salts for home cooking as well.



The market growth is the limitation of downstream market. As large demand of healthy products at home and abroad, many companies began to enter the field. Currently, the Iodate Salt industry is not only begin to transit to Iodate Salt products, while still extend in the resource-rich land and downstream industry chain. Growing malnutrition concerns among children and adults along with increasing demand for nutritious diet will drive fortified salts market growth. Rising health risks due to low consumption of iron, and iodine will fuel production penetration.

Increasing occurrence of miscarriages, gestational hypertension and neurological disorders including cretinism among newborns will drive industry growth. Appropriate growth and movement of unborn child is among the key factor fueling demand among women. Globally, industry foresees high demand from iodine owing to its medicinal properties in treating various diseases.

Dental hygiene has become a key concern especially among children. 42% of the children aged between 2 to 11 years suffers from dental caries in their primary teeth and 21% in their permanent teeth. Benefits including healing ulcers in the gums, cleans plaque and whitens teeth will stimulate market demand.

Due to increasing shortage of iodine in developing countries, growing use of iodine in various applications like X-ray contrast media, government initiatives to increase the use of iodine in human nutrition and increase the use of iodine in animal feed additives. Based on source the market has been segmented into Underground Brines, Recycling, Seaweeds and Caliche Ore. The Caliche Ore dominated the market since removal of iodine from caliche is economically possible. Europe & CIS region dominated the market for iodine due to increasing awareness concerning iodine deficiency and implementation of by global organizations such as WHO to make consumption of iodized salts.

Furthermore, growing number of cancer patients in France, increasing expenditures by the government in healthcare sector in Germany are other factors leading to increasing consumption of iodine in X-ray contrast media. Such factors are responsible for the large market share of Europe & CIS region.

In food grade salt market China, United State and India are the countries which are leading manufacturers of food grade salt. China produces 22% of the world's supply and United State produces 15% of the world's supply. The global food grade salt has been continuously on an upward trend as the world population is continuously increasing. This is expected to grow the market demand for the food grade salt market. This trend is expected to continue as most of the world's salt supply remain untouched. Africa is the region where the maximum population is undernourished.



Iodine deficiency is high in Africa. This provides a great opportunity for the iodized food grade salt manufacturers as demand for the iodized salt is likely to increase to improve the health quotient of the population. The food grade salt has the fundamental consistency and texture of many dairy products such as bread and cheese. The increasing demand for the bakery products in North America and Europe is likely to boost the demand for food grade salt. Animal and pets are also required to keep them healthy. The right salt intake ensures their growth, strong immune system, and reproductive system. Hence they need to have enough salt intake from their supplements and diets. This necessity is boosting the demand for food grade salt in animal feed. The changing lifestyle of the consumers in the regions like North America, Europe and South East Asia is demanding for the convenience food and they are more likely to prefer ready to eat food products. Most of these products use food grade salts as a preservative.

This trend is expected to boost the market demand and market growth for the food grade salt in these regions. Food grade salt is also used as the flavor enhancer in many food products. This is rising the frequency for new product developments from the manufacturers. Many food grade salt manufacturers are innovating and introducing the new flavored food grade salts.

India is the third largest Salt producing Country in the World after China and USA with Global annual production being about 230 million tones. The growth and achievement of Salt Industry over the last 60 years has been spectacular. India follows closely behind the US by exporting \$129,097,000 worth of salt every year and like the US is one of the top producers of salt in the world. Salt production in India is expected to increase over 35% to 40 million tonnes per year by 2020.

In India, Gujarat, Tamil Nadu and Rajasthan contribute to about 96% of the Country's salt production. Gujarat contributes 75% to the total production, followed by Tamil Nadu (11 %) and Rajasthan (10 %). About 62% of the total production is from large salt producers, 28% is contributed by small scale producers and rest by medium scale producers.



# Key Players

- Ankur Chemfood Ltd.
- G Das & Co. Pvt. Ltd.
- Hindustan Salts Ltd.
- Nirma Ltd.
- Rasoi Ltd.
- Saboo Sodium Chloro Ltd.
- Sahayamatha Salt Refinery Ltd.
- Sambhar Salts Ltd.
- Super Salts Pvt. Ltd.
- Tamil Nadu Salt Corpn. Ltd.
- Tata Chemicals Ltd.
- Tuticorin Salt & Marine Chemicals Ltd.
- Vaibhav Enterprises Ltd.

- Akzo Nobel
- Cargill
- North American Salt Company
- Morton Salt
- Compass Minerals International
- Dampier Salt
- Tata Chemicals Limited
- British Salt Company
- K+S Aktiengesellschaft
- McCormick & Company Inc.
- United Salt Corporation
- Saltworks Inc.
- Kutch Brine Chem Industries

# Machinery Photographs



**CENTRIFUGE**



**GRADE SEIVING**



**FLUID BED DRYER**



**Automatic Bag  
Packaging Machine**

# Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	150.00	150.00	Capital	0.00	318.36	318.36
Buildings	0.00	139.00	139.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	750.65	750.65	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	94.50	94.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash			
Franchise & Other Deposits	0.00	0.00	0.00	Accruals	0.00	0.00	0.00
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Long/Medium Term Borrowings	0.00	955.07	955.07
Provision for Contingencies	0.00	72.00	72.00	Debentures / Bonds	0.00	0.00	0.00
Margin Money - Working Capital	0.00	37.28	37.28	Unsecured Loans/Deposits	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>1273.43</b>	<b>1273.43</b>	<b>TOTAL</b>	<b>0.00</b>	<b>1273.43</b>	<b>1273.43</b>





# 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	3.35	8.03	13.35	24.00	0.00	100.00	3.35	0.00	3.35	1.00	0.00
2-3	5.61	9.63	18.96	18.00	0.00	100.00	5.61	0.00	5.61	1.00	0.00
3-4	7.88	11.33	26.84	12.00	0.00	100.00	7.88	0.00	7.88	1.00	0.00
4-5	10.12	13.09	36.97	6.00	0.00	100.00	10.12	0.00	10.12	1.00	0.00
5-6	12.32	14.88	49.28	0.00	0.00	100.00	12.32	0.00	12.32	1.00	0.00



# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individ ual	Cumula tive	Overa ll					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.22	1.22		1.80	1.80	2.12		18.73 %	8.44%	7.41%	791.3 9	54.96 %	1.10	0.73
2-3	1.42	1.32		0.95	0.95	1.21		22.90 %	15.13%	10.63 %	921.3 8	54.84 %	1.27	1.07
3-4	1.68	1.43	1.68	0.45	0.45	0.66		25.73 %	19.87%	13.07 %	1052. 96	54.84 %	1.37	1.53
4-5	1.99	1.55		0.16	0.16	0.33		27.70 %	23.30%	14.92 %	1184. 54	54.84 %	1.39	2.08
5-6	2.38	1.68		0.00	0.00	0.14		29.05 %	25.82%	16.34 %	1316. 12	54.84 %	1.35	5.04



# Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
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Cash BEP (% of Installed Capacity)	46.71%
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Total BEP (% of Installed Capacity)	52.90%
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IRR, PAYBACK and FACR

Internal Rate of Return .. ( In %age )	19.06%
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Payback Period of the Project is ( In Years )	2 Years 6 Months
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Fixed Assets Coverage Ratio ( No. of times )	3.399
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# Major Queries/Questions Answered in the Report?

- 1. What is Iodized/ Iodised Table Salt Manufacturing industry ?**
- 2. How has the Iodized/ Iodised Table Salt Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Iodized/ Iodised Table Salt Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Iodized/ Iodised Table Salt Manufacturing plant ?**

- 5. What is the structure of the Iodized/ Iodised Table Salt Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Iodized/ Iodised Table Salt Manufacturing Business?**
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- 8. What are the machinery and equipment requirements for setting up Iodized/ Iodised Table Salt Manufacturing plant ?**

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Iodized/ Iodised Table Salt Manufacturing plant ?**

**10. What are the requirements of raw material for setting up Iodized/ Iodised Table Salt Manufacturing plant ?**

**11. Who are the Suppliers and Manufacturers of Raw materials for setting up Iodized/ Iodised Table Salt Manufacturing Business?**

**12. What is the Manufacturing Process of Iodized/ Iodised Table Salt ?**

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# Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

# Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**



# **Scope of the Report**

**The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Iodized/ Iodised Table Salt .” provides an insight into Iodized/ Iodised Table Salt market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Iodized/ Iodised Table Salt project. The report assesses the market sizing and growth of the Indian Iodized/ Iodised Table Salt Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:**

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

**We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Iodized/ Iodised Table Salt sector in India along with its business prospects. Through this report we have identified Iodized/ Iodised Table Salt project as a lucrative investment avenue.**

# Tags

#Iodized\_Salt\_Manufacturing\_Plant, #salt\_manufacturing\_project\_report,  
#salt\_packaging\_business\_plan\_pdf, #how\_to\_start\_salt\_business,  
#Use\_of\_Iodized\_Salt\_in\_Processed\_Foods,  
#Producing\_Refined\_Iodised\_Salt, #cooking\_Iodised\_salt,  
#Project\_Report\_on\_Industrial\_Salt\_Sodium\_Chloride,  
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#Iodized\_Salt\_Production\_Business\_Project, How to Start Iodized/ Iodised  
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Processing Industry in India, Most Profitable Iodized/ Iodised Table Salt  
Processing Business Ideas, Iodized/ Iodised Table Salt Processing &  
Iodized/ Iodised Table Salt Based Profitable Projects

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### ▪ Detailed Project Reports

**NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.**

**Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.**



**And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:**

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

**The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as 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, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.**

**We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)**



# Contact us

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# **Niir PROJECT CONSULTANCY SERVICES**

**An ISO 9001:2015 Company**



[www.entrepreneurindia.co](http://www.entrepreneurindia.co)

## 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*





*We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.*



*We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.*



# What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *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

# Contact us

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# Thank You

**For more information, visit us at:**

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