



24

Production of

Y-1579

Bleaching Powder

Business Idea of ***Bleaching***

Powder Manufacturing

Introduction

Bleaching powder is calcium hypochlorite ($\text{Ca} (\text{OCl})_2$). Bleaching powder may be a white - yellowish powder that very well dissolves in water. It's a 1 of the most important industry within the world. Limestone and chlorine gas are used as raw materials to manufacture bleaching powder that is used as a disinfectant and as an oxidizing agent. It's associate chemical compound.



As a mixture with lime and calcium chloride, it's marketed as chlorine powder for water treatment and as a bleaching agent. Calcium hypochlorite is an integral component of [bleaching powder](#) that additionally includes calcium chloride and slaked lime. Calcium hypochlorite is that the second most used chemical type within the hypochlorite market; sodium hypochlorite (liquid bleach) being the most used type.



[Bleaching powder](#) is also known as calcium chlorohypochlorite because it's considered as a mixed salt of hydrochloric acid and hypochlorous acid. [bleaching powder](#) is an oxidizer and therefore the activity is measured in terms of available chlorine, that is that the same weight as that of gaseous or liquid chlorine that may exert a similar action because the chlorine compound. Bleaching powder is used to whiting or removing the natural color of [textile](#) fibers, yarns, [wood](#) pulp, [paper](#) and alternative product by [chemical](#) reaction and is also an additive within the scouring powder preparation as antimicrobial. [Bleaching powder](#) is [calcium hypochlorite](#) (Ca(OCl)₂). It's a 1 of the most important industry within the world. Limestone and chlorine gas are used as raw materials to manufacture bleaching powder that is used as a disinfectant and as an oxidizing agent. Bleaching powder show different reactions.

Bleaching powder is partially soluble in water, the hypochlorite dissolving and being responsible for oxidizing and bleaching power. Bleaching powder is used to whiting or removing the natural color of textile fibers, yarns, wood pulp, paper and different product by chemical action and is also an additive within the scouring powder preparation as germicide. True bleaching powder, freshly prepared, contains concerning 36 % on the market chlorine. Its storage life is brief, especially in heat climates. Due to the instability of bleaching powder at higher temperatures, a lot of stable bleaching compound was sought.

Related Project: - [Business Ideas after the Covid Breakdown](#)



Applications

- Bleaching powder is used for bleaching cotton and linen in textile industry.
- •Bleaching wood pulp in paper industry.
- •It is also used for bleaching washed clothes in laundry. The bleaching action of bleaching powder is due to the chlorine released by it.
- •Bleaching powder is used for disinfecting drinking water supply. That is, for making drinking water free from germs.



- •Bleaching powder is used for the manufacture of chloroform (CHCl_3).
- •Bleaching powder is used as an oxidizing agent in many [chemical](#) industries.
- •Waste Water Treatment and Sewage [disposal](#).
- •Household Bleaching/Cleaning applications.
- •Used as a Sanitizing Agent also.



Preparation of Bleaching Powder Reaction

Bleaching powder is prepared on an outsized scale by passing the chlorine gas through an answer that contains calcium hydroxide. Bleaching powder is also sold-out on the basis of the on the market chlorine, that is liberated once it's treated with the dilute acid. Bleaching powder is used for bleaching paper pulps and fabrics and for sterilizing water.

Calcium hypochlorite is used as a bleaching agent and disinfectant agent. The bleaching powder is also known as chlorinated lime (chloride of lime) that is used in error within the whitewash. Bleaching powder also causes irritation on the skin and eye.

Related Projects: - [Chemicals \(Organic, Inorganic, Industrial\) Projects](#)

Common [bleaching powder](#) is prepared by combining calcium hypochlorite, calcium hydroxide, and calcium chloride. Among these, calcium hypochlorite is a recognized dye and is widely considered as a type of chlorine-based bleaching agent. Bleaching agents are generally either oxidizers or reducers. Oxidizing bleaching specialists constitute a significant part of dyeing agents. The most commonly used oxidizing and bleaching agents are either chlorine-based, peroxide-based, or [chemical](#)-based. These agents are consumed in different applications including color change or retention, materials or water, disinfecting [textiles](#), effluent control, stain removal, and for deodorizing substrates. The major end-user of these bleaching agents are pulp and paper, textile, water and wastewater treatment, laundry, and health care. Additionally, bleaching is utilized as a part of a wide range of household applications. Increased innovation in the area of chemical bleaching but also emit less contaminants into water, soil, and air.

Uses of Bleaching Powder

- It is used for bleaching dirty clothes in the laundry, as a bleaching agent for cotton and linen in the [textile](#) industry.
- It is a strong oxidizing agent hence used as an oxidizer in many industries.
- It is used as a disinfectant which is used for disinfecting water to make potable water.
- As a disinfectant and germicide especially in the sterilization of drinking water.
- For the manufacture of chloroform.
- Bleaching powder is also used in the paper industry.

- Bleaching powder is commonly used for bleaching clothes.
- Bleaching powder is used to disinfect drinking water.
- Bleaching powder is used in the manufacture of chloroform (CHCl_3), and an aesthetic.
- Bleaching powder is used as an oxidizing agent.
- Bleaching powder is used to shrink wool.



Characteristics of Bleaching Powder

- Bleaching powder is a pale yellowish powder existing with a strong smell of chlorine.
- It is soluble in water but due to the presence of impurities.
- Its chemical formula is CaOCl_2 with its chemical name as Calcium hypochlorite.

Related Books:- Chemical Technology (Organic, Inorganic, Industrial), Fine Chemicals



Advantages:

- Peroxide may be a universal bleaching agent and may be used for wool, silk as well as cotton. It's especially suited to the bleaching of union fabrics containing each cotton and wool or silk.
- Hydrogen peroxide may be a milder reagent than salt and therefore the degrading effect of peroxide bleaching on cellulose is less influenced than is that the case with hypochlorite.
- Peroxide is capable of continuous the scouring action simultaneously with the bleaching action, therefore a single stage combined scour and bleach or a continuous method is feasible using hydrogen peroxide.



- Peroxide bleaching is generally less prone to have adverse impact on dyed threads. The white impact is good and permanent and there's less risk of yellowing at a later stage.
- Thorough rinsing followed by scouring or antichlor treatment is required with hypochlorite bleaching, whereas with peroxide a comparatively short rinsing suffices.
- With hydrogen peroxide, there's no danger of equipment corrosion, no unpleasant odors and no limitations on processing techniques.
- Increasing strict control over the discharge of AOX from chlorine bleaching liquors has led to a greater advantage of peroxide processes for bleaching cellulosic fibres.

Market Outlook

The global [bleaching powder](#) market was valued at around US\$ 5 Bn in 2016 and is anticipated to expand at a CAGR of more than 3% from 2018 to 2026. Expansion in the global bleaching powder market is driven by the rise in demand for fresh water and increase in demand for bleaching powder in pulp & paper applications. The bleaching powder market in Asia Pacific is anticipated to expand at a CAGR of around 4% during the forecast period. Rapid urbanization in developing economies such as China and [India](#) is estimated to propel the bleaching powder market in the region.

Related videos:- [Bleaching Powder Manufacturing Business](#)

[Production of Stable Bleaching Powder](#)

The market demand for [calcium hypochlorite](#) has been on the increase because of the increased health and sanitation consciousness of the overall population post the epidemic outbreak of swine flu, avian flu, cholera, pertussis, common flu, West Nile virus and various different diseases over the past decade. Despite its widespread use, calcium hypochlorite has market restraints in terms of hazard. Inhalation or swallowing of the chemical is very dangerous and may be fatal for human. Because of its strong oxidizing properties direct contact with any piece might cause chemical burns. The [chemical](#) needs storage in cool and well ventilated spaces and needs to be handled carefully so as to reduce accidental spillover.



North America is that the largest consumer of calcium hypochlorite in the world with the U.S. accounting for over 90% of the region's consumption. Europe accounts for the second largest market share for the [chemical](#), and Western European countries are the most consumers within the region. Asia Pacific region is one in all the fastest growing markets for calcium hypochlorite. China is that the major manufacturer as well as consumer of the [chemical](#) in Asia. Significant growth has also been witnessed in Middle East and South [America](#) as well.

Related Videos:-

<https://bit.ly/2YofJ01>

<https://bit.ly/2XTy1ag>

According to the WHO, around 2.2 million individuals died globally because of water-borne diseases such as gastrointestinal. The rising infections caused because of water-borne diseases creates a demand for freshwater across everywhere the world. Nowadays, desalination and water reuse are thought-about to be the vital source of [freshwater](#), whereby calcium hypochlorite is used as a disinfectant. Calcium hypochlorite plays an important role within the pre or post-treatment of the water desalination. The rising demand for fresh water is that the primary factors that drive the growth of calcium hypochlorite market. Additionally, increasing use of calcium hypochlorite in various applications similar to house cleanup, agrochemicals, paper and pulp, food and beverages and water treatment is anticipated to reinforce the growth of calcium hypochlorite market over the forecast year.

Bleaching [Chemicals](#) Market is anticipated to record a CAGR of 5.9% over the forecast period. The bleaching chemicals market is estimated to value at 3.5 billion by the top of the forecast period. Moreover, the various advantageous properties of bleaching chemicals are exploited within the field of [textiles](#) and water treatment currently so. New uses for bleaching chemical derivatives are discovered on regular basis that is expected to drive the bleaching chemicals market rapidly.

Geographically, North America and Europe are the most important regions within the calcium hypochlorite market and expected to carry the largest market share in calcium hypochlorite over the forecast period. Within the calcium hypochlorite market, Asia-Pacific region is growing at the very best growing demand for the improved drinkable and sanitation and increase use of calcium hypochlorite in house cleaning applications.

Bleaching powder is used to get rid of color from natural or artificial products. The product could be a crucial input of the [textile business](#). Since there's no plant that produces bleaching powder locally the country's demand for the merchandise is entirely met through import. However, import statistics from Customs Authority lumps up bleaching powder with different finishing agents used by textile industries. However, opinion of knowledgeable persons indicates that from the overall textile finishing agents imported the share of bleaching powder is 15%.

Further, the impact of the novel [COVID-19](#) pandemic on the Bleaching Powder market and offers a clear assessment of the projected market fluctuations during the forecast period. The different factors that are likely to impact the overall dynamics of the Bleaching Powder market.

North America accounts for nearly one third of the market share, and is expected to show significant growth over the forecast period. The regional demand growth for Bleaching Powder can be attributed to higher than average spending of consumers on cleaning and [healthcare](#) products. As of date, North America has shown highest cases for COVID-19 which are rising at a significant pace as compared to other regions. The presence of multiple market leaders in the region is expected to decrease the gap within demand and supply for Bleaching Powder.



Key Players

Swastik Chemicals, Olin Chlor Alkali, Aditya Birla Chemicals, Lords Chloro Alkali Limited, GACL, Sree Rayalaseema Hi-Strength Hypo Ltd, Suvidhi Industries, OxyChem, Kuehne, Clorox, Hill Brothers Chemical, Vertex Chemical, HASA etc.

Machinery Photographs



**Close Jacketed
Reactor Vessel**



**Chlorine Gas
Storage Cylinder**



**Chlorinator with
Separator and Agitator**



**Solid Powder Automatically
Filling Weighing
and Sealing 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	45.00	45.00	Capital	0.00	62.27	62.27
Buildings	0.00	66.00	66.00	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	83.55	83.55	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	16.50	16.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	15.00	15.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	186.81	186.81
Preliminary & Pre-							
operative Exp	0.00	2.00	2.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	7.50	7.50	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	5.53	5.53				
TOTAL	0.00	249.08	249.08	TOTAL	0.00	249.08	249.08

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	5.74	9.70	15.74	24.00	0.00	100.00	5.74	0.00	5.74	1.00	0.00
2-3	8.40	11.86	24.14	18.00	0.00	100.00	8.40	0.00	8.40	1.00	0.00
3-4	11.03	14.06	35.17	12.00	0.00	100.00	11.03	0.00	11.03	1.00	0.00
4-5	13.59	16.25	48.76	6.00	0.00	100.00	13.59	0.00	13.59	1.00	0.00
5-6	16.08	18.42	64.84	0.00	0.00	100.00	16.08	0.00	16.08	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / Equity - 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		
Initial	(Number of times)			(Number of times)	%	%	%	%	%	%	%			
1-2	1.40	1.40		3.00	3.00	1.68		38.12%	22.71%	15.89%	170.20	75.64%	0.90	0.83
2-3	1.68	1.53		0.75	0.75	0.86		42.29%	30.27%	19.93%	198.29	75.54%	0.98	1.51
3-4	2.02	1.68	2.02	0.34	0.34	0.43		45.10%	35.60%	22.89%	226.61	75.54%	0.99	2.37
4-5	2.43	1.84		0.12	0.12	0.19		47.00%	39.43%	25.07%	254.93	75.53%	0.95	3.40
5-6	2.93	2.02		0.00	0.00	0.06		48.26%	42.20%	26.70%	283.25	75.53%	0.89	11.68



Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	38.96%
Total BEP (% of Installed Capacity)	44.12%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	26.64%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	2.562

Major Queries/Questions Answered in the Report?

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

5. What is the structure of the Bleaching Powder Manufacturing Business and who are the key/major players ?

6. What is the total project cost for setting up Bleaching Powder Manufacturing Business?

7. What are the operating costs for setting up Bleaching Powder Manufacturing plant ?

8. What are the machinery and equipment requirements for setting up Bleaching Powder Manufacturing plant ?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Bleaching Powder Manufacturing plant ?

10. What are the requirements of raw material for setting up Bleaching Powder Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Bleaching Powder Manufacturing Business?

12. What is the Manufacturing Process of Bleaching Powder ?

- 13. What is the total size of land required for setting up Bleaching Powder Manufacturing plant ?**
- 14. What will be the income and expenditures for Bleaching Powder Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Bleaching Powder Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Bleaching Powder Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Bleaching Powder Manufacturing Business?**

18. What are the Personnel (Manpower) Requirements for setting up Bleaching Powder Manufacturing Business?

19. What are Statistics of Import & Export for Bleaching Powder ?

20. What is the time required to break-even of Bleaching Powder Manufacturing Business?

21. What is the Break-Even Analysis of Bleaching Powder Manufacturing plant?

22. What are the Project financials of Bleaching Powder Manufacturing Business?

- 23. What are the Profitability Ratios of Bleaching Powder Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Bleaching Powder Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Bleaching Powder Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Bleaching Powder Manufacturing project?**

- 27. What are the Market Opportunities for setting up Bleaching Powder Manufacturing plant?**
- 28. What is the Market Study and Assessment for setting up Bleaching Powder Manufacturing Business?**
- 29. What is the Plant Layout for setting up Bleaching Powder Manufacturing Business?**

Table of Contents of the Project Report



1 INTRODUCTION

2. USES AND APPLICATION

- 2.1. USES
- 2.2. APPLICATIONS

3. PROPERTIES

- 3.1. PHYSICAL PROPERTIES
- 3.2. CHEMICAL PROPERTIES

4. PRODUCT SPECIFICATIONS

5. B.I.S. SPECIFICATIONS

- 5.1. IS 10553 : PART 5~REQUIREMENTS OF CHLORINATION EQUIPMENT: PART 5 BLEACHING POWDER SOLUTION FEEDER DISPLACEMENT TYPE CHLORINATOR
- 5.2. IS 295~BLEACHING POWDER, UNSTABILIZED

6. MARKET SURVEY

- 6.1. PROJECTED DEMAND
- 6.2. GLOBAL MARKET OF BLEACHING POWDER

7. EXPORT & IMPORT: ALL COUNTRIES

- 7.1. EXPORT: ALL COUNTRIES
- 7.2. IMPORT: ALL COUNTRIES

8. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

- 8.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 8.2. PROFITS & APPROPRIATIONS
- 8.3. TOTAL LIABILITIES
- 8.4. TOTAL ASSETS

8.5. NET CASH FLOW FROM OPERATING ACTIVITIES

8.6. SECTION – I

- 8.6.1. Name of Company with Contact Details
- 8.6.2. Name of Director(S)
- 8.6.3. Credit Ratings
- 8.6.4. Plant Capacity
- 8.6.5. Location of Plant
- 8.6.6. Name of Raw Material(S) Consumed With Quantity & Cost

8.7. SECTION – II

- 8.7.1. Assets
- 8.7.2. Cash Flow
- 8.7.3. Cost as % Ge of Sales
- 8.7.4. Forex Transaction
- 8.7.5. Growth in Assets & Liabilities
- 8.7.6. Growth in Income & Expenditure

- 8.7.7. Income & Expenditure
- 8.7.8. Liabilities
- 8.7.9. Liquidity Ratios
- 8.7.10. Profitability Ratio
- 8.7.11. Profits
- 8.7.12. Return Ratios
- 8.7.13. Structure of Assets & Liabilities (%)
- 8.7.14. Working Capital & Turnover Ratios

9. COMPANY PROFILE OF MAJOR PLAYERS

10. EXPORT & IMPORT STATISTICS OF INDIA

- 10.1. EXPORT STATISTICS FOR BLEACHING POWDER
- 10.2. IMPORT STATISTICS FOR BLEACHING POWDER

11. PRESENT MANUFACTURERS

12. RAW MATERIAL DETAIL

13. MANUFACTURING PROCESS

13.1. RAW MATERIAL REQUIRED

13.2. MACHINERY REQUIRED

13.3. PROCESS DETAILS

14. PROCESS FLOW DIAGRAM

15.SAFETY/PRECAUTION

16. ENVIRONMENT POLLUTION AND EFFLUENT TREATMENT

- 16.1. AIR EMISSIONS & CONTROL
- 16.2. WASTE WATER TREATMENT & DISPOSAL
- 16.3. HAZARDOUS & OTHER SOLID WASTE

17. BUYER'S LIST

- 17.1. CONTACT DETAILS OF BUYER'S
- 17.2. NAME OF DIRECTOR(S)
- 17.3. CREDIT RATINGS
- 17.4. PLANT CAPACITY
- 17.5. LOCATION OF PLANT
- 17.6. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

18. SUPPLIERS OF PLANT & MACHINERY

19. SUPPLIERS OF RAW MATERIAL

20. PHOTOGRAPHS/IMAGES FOR REFERENCE

20.1. MACHINERY PHOTOGRAPHS

20.2. RAW MATERIAL PHOTOGRAPHS

20.3. PRODUCT PHOTOGRAPHS

21. PLANT LAYOUT

Project Financials

• Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• 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**

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 Bleaching Powder.” provides an insight into Bleaching Powder market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Bleaching Powder project. The report assesses the market sizing and growth of the Indian Bleaching Powder 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 Bleaching Powder sector in India along with its business prospects. Through this report we have identified Bleaching Powder project as a lucrative investment avenue.

Tags

#BleachingPowder #Chemical #bleaching #CalciumHypochlorite
#businessopportunity #projectreport #DetailedProjectReport
#businessconsultant #businessfeasibilityreport #BusinessPlan
#startyourbusiness #investmentopportunity #growyourbusiness
#covidbusiness #covid19 #covidsmallbusiness #COVIDBusiness
#coronavirusbusiness #covidandbusiness #CoronavirusBusiness
#Entrepreneur #coronavirus #npcs #covidbusinessideas
#covid19businessideas #businessideas #covid

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

Production of Bleaching Powder.

**Business Idea of Bleaching
Powder Manufacturing.**

See more

Project Reports & Profiles

BOOKS

Business Ideas after the Covid Breakdown



Visit us at

www.entrepreneurindia.co

www.niir.org



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>

OUR CLIENTS

Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

Click here to take a look
<https://goo.gl/G3ICjV>



Select and Choose the Right Business Startup for You

(Instant Online Project Identification and Selection)

Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.

Visit: <https://www.entrepreneurindia.co/project-identification>



Download Complete List of Project Reports:

▪ Detailed Project Reports

Visit:- <https://www.entrepreneurindia.co/complete-project-list>

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

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

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

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

Mobile: +91-9811043595, 8800733955

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2015 Company



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

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

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

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

Mobile: +91-9811043595, 8800733955

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



Follow us



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



➤ <https://www.facebook.com/NIIR.ORG>



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



➤ https://twitter.com/npcs_in



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





Thank You

For more information, visit us at:

www.niir.org

www.entrepreneurindia.co



www.entrepreneurindia.co