



# Dextrose Saline

## Manufacturing Plant.

Investment Opportunities in I.V. Fluids Pharma Sector

# Introduction

**Dextrose solution, also known as intravenous sugar solution, is a combination of dextrose (glucose) and water administered intravenously. It's used to treat low blood sugar and water loss but doesn't result in electrolyte loss. Fever, hyperthyroidism, high blood calcium, and diabetes insipidus can all cause water loss without electrolyte loss.**



**The following are Types of glucose/dextrose saline:**

- 1.D5W (5 percent dextrose in water), which has a dextrose concentration of 278 mmol/L.**
- 2.D5NS (5 percent dextrose in normal saline), which also includes normal saline (0.9 percent NaCl w/v).**
- 3.D5 1/2NS 5 percent dextrose in half the volume of usual saline (0.45% NaCl w/v). [nine]**
- 4.D5LR (5 percent dextrose in lactated Ringer solution)**
- 5. D50 – dextrose in water containing 50% dextrose**

**A 5 percent glucose/dextrose solution contains 50 g/L of glucose/dextrose (5g/100ml) and the percentage is a mass percentage (or, more specifically, a mass-volume percentage). Dextrose saline is a dextrose, sodium chloride, and water solution. It's made up of 5% dextrose and dissolved sodium chloride in water. The amount of sodium chloride in a solution varies depending on the application. This is a sterile fluid that is injected into veins (intravenous administration).**

# Uses of Dextrose Saline

**In pediatric patients, dextrose is used to treat acute alcohol poisoning, sulfonylurea overdose, insulin overdose, hyperkalemia (high blood potassium), and insulin-induced hypoglycemia. It's also used to treat elevated potassium levels in the blood, diabetic ketoacidosis, and as part of parenteral nutrition. It is administered by a vein injection.**





**Dextrose is used in a variety of concentrations for various applications. When someone is dehydrated and has low blood sugar, a doctor can prescribe dextrose in an IV solution. Many medications can be mixed with dextrose IV solutions for IV administration.**



# Market Outlook

**In clinical medicine, intravenous solutions are often used to replace and maintain body fluids. They are given to people who have lost body fluids due to dehydration or other medical conditions. Intravenous solutions are injected directly into the veins to offer immediate relief to those receiving care. Diarrhea is the world's second leading cause of death, affecting nearly 1.7 billion people, according to the World Health Organization (WHO). Every year, it kills 525,000 people.**

**9 percent regular saline, lactated ringers, 5 percent dextrose in water, and others make up the global intravenous solution market. The global intravenous solution market can be divided into three types of distribution channels: hospital pharmacies, drug stores, and specialty pharmacies.**





**Regulatory and consistency criteria, on the other hand, add to the market's cost and uncertainty. Despite being marketed at reasonably low rates, intravenous fluids are regulated as medicinal products and must meet many of the capital expenditure standards of sterile injectable drugs, limiting market development**



# **Covid-19 Impact on IV Fluids**

**The worldwide COVID-19 pandemic has drawn the world's attention to critical care as a specialty. There are currently no proven therapies for COVID-19, despite the publication of many trials and case series extolling the virtues of various agents. As is often the case, good intensive care practice is built on a solid understanding of physiology and a mastery of the fundamentals. The need for strict separation of large numbers of patients due to the COVID-disease pandemic has made protecting the...**

**...Rights of IV drug administration: Patient, prescription, dosage, path, pacing, and documentation are all becoming more difficult to manage. According to World Health Organization guidelines, patients with COVID-19 in respiratory failure should be treated with intravenous fluids with caution, particularly in settings where mechanical ventilation is limited. The basis for fluid control in critical care is the general principles of fluid therapy management Covid-19.**

# Key Players

1. **Amanta Healthcare Ltd.**
2. **Baxter Pharmaceuticals India Pvt. Ltd.**
3. **Bayer Pharmaceuticals Pvt. Ltd.**
4. **Denis Chem Lab Ltd.**

- 5. Meridian Enterprises Pvt. Ltd.**
- 6. Pfizer Healthcare India Pvt. Ltd.**
- 7. Pfizer Ltd.**
- 8. Pharmacia Healthcare Ltd.**
- 9. Shree Krishna Keshav Laboratories Ltd.**



# Machinery Photographs



## Pure Water System



# Multi-Effect Water Distiller

The background of the slide is a photograph of a laboratory setting. In the foreground, a glass petri dish containing a green, textured substance is visible. Behind it, a glass bottle with a white substance inside is partially visible. The background is a blurred view of a window with green foliage outside.

# Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	65.00	65.00	Capital	0.00	385.65	385.65
Buildings	0.00	108.40	108.40	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	1148.07	1148.07	Other Type Share 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	31.25	31.25	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1156.95	1156.95
Preliminary & Pre-operative Exp	0.00	2.00	2.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	114.00	114.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	50.87	50.87				
<b>TOTAL</b>	<b>0.00</b>	<b>1542.59</b>	<b>1542.59</b>	<b>TOTAL</b>	<b>0.00</b>	<b>1542.59</b>	<b>1542.59</b>



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				
										No.of Times	
						%		%			%
1-2	5.07	10.39	15.07	24.00	0.00	100.00	5.07	0.00	5.07	1.00	0.00
2-3	7.35	11.90	22.42	18.00	0.00	100.00	7.35	0.00	7.35	1.00	0.00
3-4	9.67	13.55	32.08	12.00	0.00	100.00	9.67	0.00	9.67	1.00	0.00
4-5	11.97	15.30	44.06	6.00	0.00	100.00	11.97	0.00	11.97	1.00	0.00
5-6	14.24	17.08	58.29	0.00	0.00	100.00	14.24	0.00	14.24	1.00	0.00



Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individual	Cumu lative	Ove rall					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
<b>Initial</b>				<b>3.00</b>	<b>3.00</b>									
<b>1-2</b>	<b>1.50</b>	<b>1.50</b>		<b>1.59</b>	<b>1.59</b>	<b>1.82</b>		<b>27.93</b> %	<b>17.48%</b>	<b>14.47</b> %	<b>987.08</b>	<b>73.12</b> %	<b>0.83</b>	<b>0.97</b>
<b>2-3</b>	<b>1.72</b>	<b>1.61</b>		<b>0.80</b>	<b>0.80</b>	<b>0.98</b>		<b>33.45</b> %	<b>25.68%</b>	<b>18.00</b> %	<b>1096.2</b> 5	<b>69.60</b> %	<b>0.93</b>	<b>1.56</b>
<b>3-4</b>	<b>2.00</b>	<b>1.73</b>	<b>2.01</b>	<b>0.37</b>	<b>0.37</b>	<b>0.52</b>		<b>37.19</b> %	<b>31.44%</b>	<b>20.71</b> %	<b>1251.5</b> 4	<b>69.53</b> %	<b>0.96</b>	<b>2.25</b>
<b>4-5</b>	<b>2.33</b>	<b>1.86</b>		<b>0.14</b>	<b>0.14</b>	<b>0.25</b>		<b>39.75</b> %	<b>35.57%</b>	<b>22.80</b> %	<b>1406.8</b> 3	<b>69.47</b> %	<b>0.96</b>	<b>3.02</b>
<b>5-6</b>	<b>2.74</b>	<b>2.01</b>		<b>0.00</b>	<b>0.00</b>	<b>0.10</b>		<b>41.50</b> %	<b>38.55%</b>	<b>24.40</b> %	<b>1562.1</b> 2	<b>69.43</b> %	<b>0.92</b>	<b>8.00</b>

**BEP****BEP - Maximum Utilisation Year****5****Cash BEP (% of Installed Capacity)****36.86%****Total BEP (% of Installed Capacity)****43.88%****IRR, PAYBACK and FACR****Internal Rate of Return .. ( In %age )****25.11%****Payback Period of the Project is ( In Years )****2 Years 3 Months****Fixed Assets Coverage Ratio ( No. of times )****2.922**

## Major Queries/Questions Answered in the Report?

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

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

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

# Tags

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**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. Mall ST,**

**New Delhi-110007, India.**

**Email: [npcs.ei@gmail.com](mailto:npcs.ei@gmail.com) , [info@entrepreneurindia.co](mailto:info@entrepreneurindia.co)**

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

**Mobile: +91-9097075054, 8800733955**

**Fax: +91-11-23845886**

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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



**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.**

- **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)**

- 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**

## 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.**

- ❖ **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...*

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**

# MARKET RESEARCH REPORT



# Objective

- To get a detailed scenario of the industry along with its structure and classification
- To provide a comprehensive analysis of the industry by covering aspects like:
  - ❑ Growth drivers of the industry
  - ❑ Latest market trends
  - ❑ Insights on regulatory framework
  - ❑ SWOT Analysis
  - ❑ Demand-Supply Situation
  - ❑ Foreign Trade
  - ❑ Porters 5 Forces Analysis

# Objective

- To provide forecasts of key parameters which helps to anticipate the industry performance
- To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- To help an entrepreneur/manager in keeping abreast with the changes in the industry
- To evaluate the competitive landscape of the industry by detailing:
  - ❑ Key players with their market shares
  - ❑ Financial comparison of present players

# Clientele

- Venturist/Capitalists
- Entrepreneur/Companies
- Industry Researchers
- Investment Funds
- Foreign Investors, NRI's
- Project Consultants/Chartered Accountants
- Banks
- Corporates

[Click here for list](#)

# Data Sources



# Scope & Coverage



## **Our Team**

- Our research team comprises of experts from various financial fields:**
- MBA's**
- Industry Researchers**
- Financial Planners**
- Research veterans with decades of experience**

# Structure of the Report

- 1. Overview**
- 2. Market Analysis**
  - 2.1 Growth Drivers**
  - 2.2 Emerging Trends in the Industry**
  - 2.3 Regulatory Framework**
  - 2.4 SWOT Analysis**
  - 2.5 Herfindahl–Hirschman Index (HHI)**
- 3. Market Forecasts**
- 4. Key Players**

# Structure of the Report

- 5. Key Financials and Analysis**
  - 5.1 Contact Information**
  - 5.2 Key Financials**
  - 5.3 Financial comparison**
- 6. Industry Size & Outlook**





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

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# Contact us

## *NIIR PROJECT CONSULTANCY SERVICES*

**106-E, Kamla Nagar, Opp. Mall ST,**

**New Delhi-110007, India.**

**Email: [npcs.ei@gmail.com](mailto:npcs.ei@gmail.com) , [info@entrepreneurindia.co](mailto:info@entrepreneurindia.co)**

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

**Mobile: +91-9097075054, 8800733955**

**Fax: +91-11-23845886**

**Website : [www.entrepreneurindia.co](http://www.entrepreneurindia.co) , [www.niir.org](http://www.niir.org)**

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A large orange banner with the words 'THANK YOU' written in white, bold, sans-serif capital letters. The banner is held up by two stylized hands, one on the left and one on the right, against a light blue background.

THANK  
YOU

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