

IV (Intravenous) Fluids
***[Form Fill Seal (FFS) Technology]* -**
Market Survey cum Detailed
Techno Economic Feasibility
Project Report

Introduction

Intravenous fluids are fluids which are intended to be administered to a patient intravenously, directly through the circulatory system. These fluids must be sterile to protect patients from injury, and there are a number of different types available for use.

Many companies manufacture packaged intravenous fluids, as well as products which can be mixed with sterile water to prepare a solution for intravenous administration.



Intravenous fluids can be broken into two broad groups. Crystalloids such as saline solutions contain a solution of molecules which can dissolve in water. When crystalloids are administered, they tend to create low osmotic pressure, allowing fluid to move across the blood vessels,

and this can be linked with edema. Colloids contain particles which are not soluble in water, and they create high osmotic pressure, attracting fluid into the blood vessels. Blood is an example of a commonly administered intravenous colloid.

I.V. fluid demand is normally linked to the number of hospital beds. Observations show that 18 bottles of I.V. fluids are consumed per bed per month in the country. The demand is estimated to increase at a rate of 9 to 12% per annum.



The present demand level is estimated to be around 2200 Lakh bottles per annum. Areas with high population density and average temperatures are major consumption areas of I.V. fluids.

Demand is high Uttar Pradesh, Rajasthan, Haryana, Bihar, Madhya Pradesh and West Bengal. North India alone account for one third of the total demand in the country. So any new entrants can venture in to this industry.

Few Indian Major Players are as under

Ahlcon Parenterals (India) Ltd.

Core Laboratories Ltd.

Gujarat Ambuja Proteins Ltd.

Gujarat Inject Ltd.

Haffkine Bio-Pharmaceutical Corpn. Ltd.

India Infusion Ltd.

Indian Maize & Chemicals Ltd.

K G Gluco Biols Ltd.

Kamala Sugar Mills Ltd.

Kokad Pharmaceutical Laboratories Ltd.

Marck Biosciences Ltd.

Origin Agrostar Ltd.

Parenteral Surgicals Ltd.

Senbo Industries Ltd.

Span Medicals Ltd.

Tirupati Starch & Chemicals Ltd.

Unique Sugars Ltd.

Wockhardt Health Care Ltd.

PROJECT AT A GLANCE

PROJECT AT A GLANCE				(Rs. in lacs)			
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	95.00	95.00	Capital	0.00	341.74	341.74
Buildings	0.00	217.20	217.20	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	808.10	808.10	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	15.00	15.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	65.50	65.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	25.00	25.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1025.22	1025.22
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	80.00	80.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	58.16	58.16				
TOTAL	0.00	1366.96	1366.96	TOTAL	0.00	1366.96	1366.96



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	4.95	9.78	14.95	24.00	0.00	100.00	4.95	0.00	4.95	1.00	0.00
2-3	7.45	11.61	22.40	18.00	0.00	100.00	7.45	0.00	7.45	1.00	0.00
3-4	9.96	13.54	32.35	12.00	0.00	100.00	9.96	0.00	9.96	1.00	0.00
4-5	12.44	15.53	44.79	6.00	0.00	100.00	12.44	0.00	12.44	1.00	0.00
5-6	14.86	17.53	59.65	0.00	0.00	100.00	14.86	0.00	14.86	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 Contributi on	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.40	1.40		1.61	1.61	1.95		25.29%	13.90%	10.87%	969.54	62.34%	1.05	0.95
2-3	1.65	1.52		0.80	0.80	1.07		29.31%	20.48%	14.03%	1068.62	58.90%	1.16	1.43
3-4	1.96	1.66	1.96	0.37	0.37	0.58		32.04%	25.15%	16.41%	1219.79	58.82%	1.20	1.99
4-5	2.33	1.80		0.13	0.13	0.30		33.92%	28.51%	18.22%	1370.96	58.77%	1.18	2.64
5-6	2.79	1.96		0.00	0.00	0.14		35.20%	30.97%	19.60%	1522.13	58.72%	1.12	5.77



BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	40.59%
Total BEP (% of Installed Capacity)	46.58%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	25.88%
Payback Period of the Project is (In Years)	2 Years 5 Months
Fixed Assets Coverage Ratio (No. of times)	3.629

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- *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*

Sectors We Cover Cont...

- *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*

Sectors We Cover Cont...

- *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*

Sectors We Cover Cont...

- *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.*

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*

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

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