

# **Stainless Steel Tubes & Pipes**

**SS Pipe and Tubes, Tube mill, Pipe Mill,  
Extrusion and Pilgering Process**

**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, Plant Layout, Process Flow Sheet,  
Cost of Project, Projected Balance Sheets,  
Profitability Ratios, Break Even Analysis**

# Introduction

**Stainless Steel is a common name for metal alloys that consist of 10.5% or more Chromium (Cr) and more than 50% Iron (Fe). Stainless steel does not readily corrode, rust or stain with water as ordinary steel does. Stainless steel pipes are used in petrochemicals, fertilizers, dairy industries power stations and nuclear plants. Other corrosion resistant applications as of food processing industry are also significant users. Steel pipes are primarily of two types, seamless and welded.**

**Seamless pipes and tubes are used in both oil and non-oil sectors in a wide range of applications as line pipes, casing pipes, production tubings, and drill pipes. Oil sector absorbs nearly 60% of seamless pipes, while some 30% are consumed by bearings and boiler manufacturers.**

**Steel tubes industry is poised for a 30% growth in the wake of a growing demand in the infrastructure construction sector, mainly in scaffolding in buildings.**

**The sector has grown dramatically in the recent past at a record 20% growth owing to several infrastructure projects lined up by the government and the private sector. The 200 series of stainless steel developed in India has potential in every developing country including value added products like pipes and tubes and kitchen utensils. India also has good facilities for stainless steel long products like bars, wire rods and wires which have good prospects in Europe, USA and South East Asian region.**

**Stainless steel pipes & tubes are used in petrochemicals, fertilizers, dairy industries power stations and nuclear plants. Other corrosion resistant applications as of food processing industry are also significant users. These pipes are used extensively by Nuclear Fuel Corporation.), steel tubes industry was poised for a 30% growth in the wake of a growing demand in the infrastructure construction sector, mainly in scaffolding in buildings. The sector has grown dramatically in the recent past at a record 20% growth owing to several infrastructure projects lined up by the government and the private sector.**

**The steel tubes and pipes industry witnessed demand from various domestic industries like real estate, construction, telecom, power, energy, entertainment zones, metros, airports and ports, etc. Key policy-led initiatives such as the urban infrastructure programme under Public Private Partnership also proved to be a shot in the arm.**

**The market environment for stainless steel tube & pipe is challenging at the moment. Whilst the outlook for the automotive industry and building & construction remains mostly positive,**

**significant cutbacks can be expected for tube & pipe for industrial applications as a result of very low project activity, especially in the oil & gas industry.**

**The demand of Stainless steel pipes& tubes is majorly driven by the growing and expanding oil and gas industry, exploration and production of oil and gases and exponentially growing automobile industry in growing economies. The market is anticipated to grow at the back rising demand and unmet opportunities in the developing nations of the world.**

**Stainless steel production share is more than 4% of the total steel production in India as compared to less than 2.5% globally. There are over 400 grades of stainless steel for the diverse range of end use applications.**

**In India, the dominant demand is from the utensils and kitchenware application segment, as high as 65%, adding the industrial applications constitute about 35% of the overall demand.**



# Reasons for buying the 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 Stainless Steel Tubes & Pipes by Extrusion and Pilgering Process” provides an insight into the Stainless Steel Tubes & Pipes market in India with focus on applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Stainless Steel Tubes & Pipes project. The report assesses the market sizing and growth of the Indian Stainless Steel Tubes & Pipes 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 Stainless Steel Tubes & Pipes sector in India along with its business prospects. Through this report we have identified Stainless Steel Tubes & Pipes project as a lucrative investment avenue.**

# Few Indian Major Players are as under

**C S T Valinox Ltd.**

**Choksi Tube Co. Ltd.**

**Interfit Techno Products Ltd.**

**Kinjal Metals Ltd.**

**Neeka Tubes Ltd.**

**Prakash Steelage Ltd.**

**Ratnamani Metals & Tubes Ltd.**

**Suraj Chemtech Ltd.**

**Tubetec Seamless 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	1135.00	1135.00	Capital	0.00	803.69	803.69
Buildings	0.00	596.00	596.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	1167.89	1167.89	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	82.00	82.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	2411.06	2411.06
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	110.00	110.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	60.86	60.86				
<b>TOTAL</b>	<b>0.00</b>	<b>3214.75</b>	<b>3214.75</b>	<b>TOTAL</b>	<b>0.00</b>	<b>3214.75</b>	<b>3214.75</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					
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs	No.of Times	%
1-2	4.63	7.86	14.63	24.00	0.00	100.00	4.63	0.00	4.63	1.00	0.00
2-3	6.80	9.60	21.43	18.00	0.00	100.00	6.80	0.00	6.80	1.00	0.00
3-4	8.98	11.40	30.41	12.00	0.00	100.00	8.98	0.00	8.98	1.00	0.00
4-5	11.14	13.24	41.55	6.00	0.00	100.00	11.14	0.00	11.14	1.00	0.00
5-6	13.27	15.09	54.82	0.00	0.00	100.00	13.27	0.00	13.27	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 Contribu- tion	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.20	1.20		1.64	1.64	1.86		28.38%	17.45%	12.54%	1629.73	54.87%	0.90	0.63
2-3	1.42	1.30		0.84	0.84	1.01		31.63%	23.72%	15.77%	1901.34	54.87%	1.01	1.02
3-4	1.68	1.42	1.69	0.39	0.39	0.53		33.86%	28.23%	18.22%	2172.96	54.87%	1.07	1.55
4-5	2.01	1.55		0.14	0.14	0.26		35.41%	31.55%	20.09%	2444.58	54.87%	1.07	2.21
5-6	2.41	1.69		0.00	0.00	0.09		36.50%	34.05%	21.54%	2716.20	54.87%	1.03	6.46



# Project at a Glance

## **BEP**

BEP - Maximum Utilisation Year

5

Cash BEP (% of Installed Capacity)

32.55%

Total BEP (% of Installed Capacity)

37.95%

## **IRR, PAYBACK and FACR**

Internal Rate of Return .. ( In %age )

18.93%

Payback Period of the Project is ( In Years )

2.814 Years

Fixed Assets Coverage Ratio ( No. of times )

2.245

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

- 5. What is the structure of the Stainless Steel Tubes & Pipes Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Stainless Steel Tubes & Pipes plant ?**
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- 8. What are the machinery and equipment requirements for setting up a Stainless Steel Tubes & Pipes plant ?**

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Stainless Steel Tubes & Pipes plant ?**

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**11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Stainless Steel Tubes & Pipes plant ?**

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# ***NIIR PROJECT CONSULTANCY SERVICES***

**An ISO 9001:2008 Company**



# 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*

## 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*

- *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.*

- *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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