





**Production of Aluminium Collapsible Tubes for Pharmaceutical**, Adhesive, **Toiletry & Cosmetics Industry. Aluminium Collapsible Tubes Manufacturing Industry. Collapsible Tubes Production** Plant.







# **Introduction**

Aluminium Collapsible Tubes are the preferred packaging format for ointments and creams requiring high barrier properties for Product stability over a long shelf-life. These are widely used World over for packaging of Pharmaceutical, Hair-Care, Industrial and Food Products such as Sauces, Cheese etc. aluminum collapsible tubes are internally coated to provide lasting stability. Collapsible tubes protects the inside products from oxidation.



The demand and application for aluminum tubes nowadays is increasing swiftly and the world's major markets including the pharma tube packaging industry are giving preference to these aluminum tubes due to the widespread benefits they render.

Collapsible tubes are made from aluminum, tin coated lead, or lead tin alloy by cold extrusion. They consist of three parts, the main tube, a shoulder to one end of which a screened nozzle with orifice is fitted, and a molded cap to close the orifice, sometimes application of various design are attached to the nozzle with the help of mechanical or hand operated filling machines, the end is sealed by folding and crimping.



Collapsible tube were initially introduced for packing artists oil color. However, now its use has spread for packing a wide variety of products. These tubes are used for filling tooth paste, shaving creams, ointment and inks, etc.

In present day, the application of aluminum tube instead of plastic tube is increasing very rapidly. These tubes are very closely associated with our daily lives and we find their use in various aspects of our lives. For instance, the first thing we do after waking up in the morning is to brush the tooth and the toothpaste is stored in an aluminum tube. Apart from that, so many things are now packaged with these tubes because they are easier to carry and safe to be used.



## **Uses & Applications**

Aluminum Collapsible tubes find application in the multinational pharmaceutical and cosmetic companies. Their applications include:

**Pharmaceutical Industry:** 

- Creams
- Ointments
- Gels for eyes, skin, etc.



## **Adhesives and Rubber Solutions Industry:**

- Adhesives
- Cyano-acrylates
- Rubber solutions
- Lubricants
- **Toiletry & Cosmetics:**
- Toothpaste
- Shaving cream
- Medicated toothpaste



- Gel toothpaste
- Cold cream
- Washing cream
- Shampoos
- Herbal cosmetics

## **Paints and Inks:**

- Duplication inks
- Colour paints
- Oil Colours
- Water Colours



## **Food Products:**

- Butter
- Cheese spread
- Honey
- Condensed milk
- Tomato Ketchup
- Jams and jellies



## **Market Outlook**

Aluminum tubes market has been segmented on the basis of region into North America, Europe, Asia Pacific, Middle East & Africa (MEA), and Latin America .The aluminum tube market is expected to witness a steady CAGR of over 5% during the forecast period. Currently, China, France, Germany, Russia, and the United States are the largest aluminum tube markets.



The aluminum tube market is expected to witness a healthy growth over the forecast period due to the rising investment in innovation. One of the preferred properties of aluminium tubes is that they have an extended shelf life and a safe approach for administering a wide assortment of items. Recyclability properties of aluminum are few of the components to be specified which will help in driving the development of aluminum tubes market.



packaging is gaining traction among packaging Tube manufacturers catering to cosmetics and oral care applications. Aluminum material possesses unique properties like lightweight, easy molding, anti-corrosive, etc. which makes it a better choice for packaging. This has encouraged manufacturers to opt for aluminum tubes over other alternatives. One of the most prominent property of aluminum tubes is that it remains neutral or inactive when mixed with other products. Along with effective material properties, aluminum tubes offer protection over longer duration of time. Collapsible aluminum tubes have emerged as one of the most innovative packaging products offered in the global market for aluminum tubes.



The tube packaging market size is estimated to grow from USD 6.65 Billion in 2016 to USD 9.30 Billion by 2021, at a CAGR of 6.9%. The base year considered for the study is 2015 and the market size is projected from 2016 to 2021.

Global tube packaging market can be broadly classified into different segments based upon materials, applications, product and geography. By material type, this market is segmented into laminated tubes, aluminium tubes, plastic tubes and others. In terms of product types, the market for global tube packaging is further classified into squeeze tubes, twist tubes and others. Increasing demand for convenient packaging is likely to drive the market for squeeze tubes.

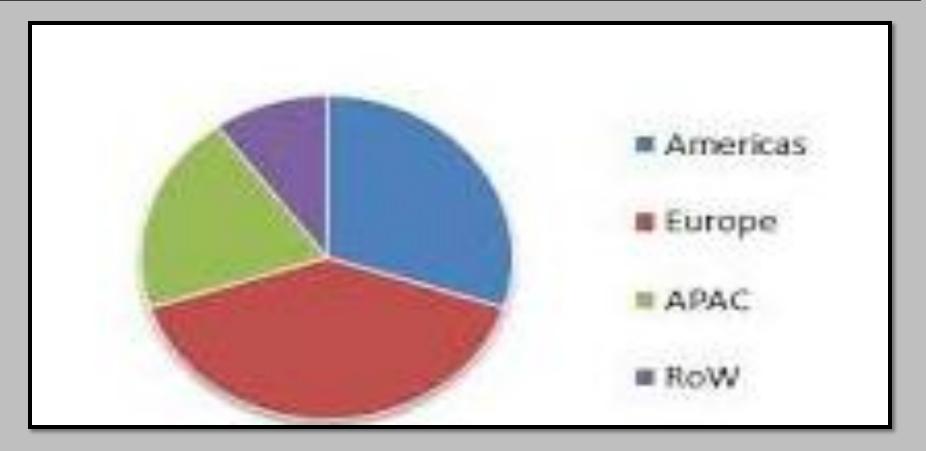


The global tube packaging market is significantly large in Europe and North America, majorly due to increasing per capita income and consumer spending. Currently, Europe is dominating the market in terms of revenue. Moreover, Asia Pacific is expected to be the fastest growing segment. The key factors attributed to the demand for sustainable and innovative packaging in emerging economies, such as China and India among others.



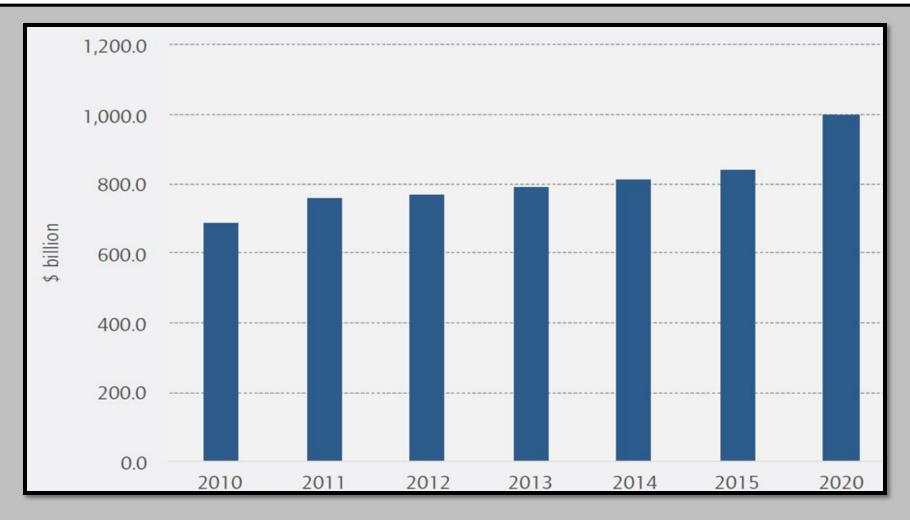
# Tube Packaging Market Revenue, by Geography, 2015

## (%)





## **Global Packaging Market**, 2010-20





					(	` in lacs)
PROJEC	Т	MEANS	OF FINAN	CE		
Existing	Proposed	Total	Particulars	Existing	Proposed	Total
0.00	30.00	30.00	Capital	0.00	2503.13	2503.13
0.00	113.50	113.50	Share Premium	0.00	0.00	0.00
0.00	9122.32	9122.32	Other Type Share Capital	0.00	0.00	0.00
0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
0.00	33.75	33.75	Cash Subsidy	0.00	0.00	0.00
0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00
			Long/Medium Term			
0.00	0.00			0.00	7509.40	7509.40
0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
			Unsecured			
0.00	230.00	230.00	Loans/Deposits	0.00	0.00	0.00
0.00	456.97	456.97				
						10012.5
0.00	10012.53	10012.53	TOTAL	0.00	10012.53	3
	Existing 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00       113.50         0.00       9122.32         0.00       8.00         0.00       33.75         0.00       15.00         0.00       0.00         0.00       3.00         0.00       230.00         0.00       456.97	ExistingProposedTotal0.0030.0030.000.00113.50113.500.009122.329122.320.008.008.000.0033.7533.750.0015.0015.000.000.000.000.003.003.000.00230.00230.000.00456.97456.97	Existing         Proposed         Total         Particulars           0.00         30.00         30.00         Capital           0.00         113.50         Share Premium           0.00         9122.32         Other Type Share Capital           0.00         8.00         8.00         Reserves & Surplus           0.00         33.75         33.75         Cash Subsidy           0.00         15.00         Internal Cash Accruals         Long/Medium Term           0.00         0.00         0.00         Borrowings           0.00         3.00         230.00         Loans/Deposits           0.00         456.97         456.97	Existing         Proposed         Total         Particulars         Existing           0.00         30.00         30.00         Capital         0.00           0.00         113.50         Share Premium         0.00           0.00         9122.32         9122.32         Other Type Share Capital         0.00           0.00         8.00         Reserves & Surplus         0.00           0.00         33.75         33.75         Cash Subsidy         0.00           0.00         15.00         Internal Cash Accruals         0.00           0.00         0.00         Borrowings         0.00           0.00         3.00         Debentures / Bonds         0.00           0.00         230.00         230.00         Loans/Deposits         0.00	PROJECT         MEANS OF FINANCE           Existing         Proposed         Total         Particulars         Existing         Proposed           0.00         30.00         30.00         Capital         0.00         2503.13           0.00         113.50         113.50         Share Premium         0.00         0.00           0.00         9122.32         9122.32         Other Type Share Capital         0.00         0.00           0.00         8.00         Reserves & Surplus         0.00         0.00           0.00         33.75         Cash Subsidy         0.00         0.00           0.00         15.00         Internal Cash Accruals         0.00         0.00           0.00         0.00         Borrowings         0.00         7509.40           0.00         3.00         Debentures / Bonds         0.00         0.00           0.00         230.00         230.00         Loans/Deposits         0.00         0.00           0.00         456.97         456.97         Image: Accrual set and the set and th



Yea r	Annu	alised	Book Value	Debt	Divide nd	Retained Earnings		Payou t	Probab le Market Price	P/E Ratio	Yield Price/ Book Value
				Per					No.of		
	EPS	CEPS	Per S	Share	Share	Per Share				Times	
	Ň	Ň	Ň	`	Ň	%	`	%	``		%
1-						100.0					
2	2.23	7.90	12.23	24.00	0.00	0	2.23	0.00	2.23	1.00	0.00
						100.0					
2-3	3.01	7.84	15.24	18.00	0.00	0	3.01	0.00	3.01	1.00	0.00
						100.0					
3-4	3.87	7.98	19.11	12.00	0.00	0	3.87	0.00	3.87	1.00	0.00
						100.0					
4-5	4.77	8.26	23.88	6.00	0.00	0	4.77	0.00	4.77	1.00	0.00
						100.0					
5-6	5.67	8.64	29.55	0.00	0.00	0	5.67	0.00	5.67	1.00	0.00



Yea r	D	. S. C. R	<b>.</b>	-	Equity as- Equity	Net	n on	Profitability Ratio				Asset s Turno ver Ratio	Curre nt Ratio	
		Cumula tive	Over all					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Num	ber of tii	mes)	•	ber of les)	%	%	%	%	%		%		
Initi al	·			3.00	3.00									
1- 2	1.20	1.20		1.96	1.96	2.27		30.50 %	7.82%	12.91 %	4521. 16	104.66 %	0.43	0.77
2-3	1.21	1.21		1.18	1.18	1.44		36.52 %	18.86%		3672. 13	80.00 %	0.49	0.96
3-4	1.25	1.22	1.27	0.63	0.63	0.85		41.10 %	27.91%		3883. 98	79.92 %	0.55	1.15
4-5	1.32	1.24		0.25	0.25	0.44		44.54 %	35.35%		4095. 83	79.84 %	0.60	1.36
5-6	1.41	1.27		0.00	0.00	0.16		47.07 %	41.48%		4307. 67	79.77 %	0.63	3.62

npcs

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	29.09%
Total BEP (% of Installed Capacity)	46.37%
IRR, PAYBACK and FACR	
Internal Rate of Return (In %age)	9.49%
Payback Period of the Project is (In Years)	3 Years 2 Month
Fixed Assets Coverage Ratio (No. of times)	1.163



## **Major Queries/Questions Answered in the Report?**

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



5. What is the structure of the Aluminium Collapsible Tubes Manufacturing Business and who are the key/major players ?

- 6. What is the total project cost for setting up Aluminium Collapsible Tubes Manufacturing plant?
- 7. What are the operating costs for setting up Aluminium Collapsible Tubes Manufacturing Project ?
- 8. What are the machinery and equipment requirements for setting up Aluminium Collapsible Tubes Manufacturing plant ?



- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Aluminium Collapsible Tubes Manufacturing Business?
- 10. What are the requirements of raw material for setting up Aluminium Collapsible Tubes Manufacturing plant ?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Aluminium Collapsible Tubes Manufacturing project?
- 12. What is the Manufacturing Process of Aluminium Collapsible Tubes ?



- 13. What is the total size of land required for setting up Aluminium Collapsible Tubes Manufacturing plant?
- 14. What will be the income and expenditures for Aluminium Collapsible Tubes Manufacturing?
- **15. What are the Projected Balance Sheets of Aluminium Collapsible Tubes Manufacturing project?**
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**21.What is the Break-Even Analysis of Aluminium Collapsible Tubes Manufacturing plant?** 

22.What are the Project financials of Aluminium Collapsible Tubes Manufacturing Project



23. What are the Profitability Ratios of Aluminium Collapsible Tubes Manufacturing plant?

24. What is the Sensitivity Analysis-Price/Volume of Aluminium Collapsible Tubes 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 to anticipate the industry performance and make sound business decisions





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



#### Tags

Collapsible Tube Production, Aluminium Collapsible Tubes in India, Manufacture of Aluminium Collapsible Tubes, Collapsible Aluminium Tube Production, How Aluminum Tubes are Made, Aluminium Collapsible Tubes Manufacturing, Collapsible Tube for Pharmaceutical Use, Aluminium Collapsible Tubes Production Line, Aluminium Collapsible Tubes (Printed) Manufacturing Plant, Manufacturing of Aluminium Tubes, Collapsible Tube Production, Production of Aluminium Tubes, Aluminium Tubes for Cosmetics, Aluminium Collapsible Printed Tubes Manufacture, Aluminium in the Packaging Industry, Collapsible Tube Manufacture, Collapsible Tubes Manufacturing Process, Aluminium Tube Production, Aluminium Collapsible Tubes Manufacturing Industry, Aluminium Tubes for Cosmetics, Pharmaceutical Tubes Production, Making of Aluminum Collapsible Tubes, Productive Process of Aluminium Tubes, Producing Aluminum Tubes in India, Manufacturing Business of Aluminium Collapsible Tubes, Aluminium Collapsible Tubes Manufacturing Industry, Production Plant of Aluminium Collapsible Tubes, Aluminium Collapsible Tubes Manufacturing Unit, Aluminum Collapsible Tubes Manufacture,

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Aluminium Collapsible Tubes Manufacturing project ideas, Projects on Small Scale Industries, Small scale industries projects ideas, Aluminium Collapsible Tubes Manufacturing Based Small Scale Industries Projects, Project profile on small scale industries, How to Start Aluminium Collapsible Tubes Manufacturing Industry in India, Aluminium Collapsible Tubes Manufacturing Projects, New project profile on Aluminium Collapsible Tubes Manufacturing industries, Project Report on Aluminium Collapsible Tubes Manufacturing Industry, Detailed Project Report on Collapsible Tubes Manufacturing, Project Report on Collapsible Tubes Manufacturing, Pre-Investment Feasibility Study on Aluminium Collapsible Tubes Manufacturing, Techno-Economic feasibility study on Aluminium Tube Production, Feasibility report on Aluminium Tube Production, Free Project Profile on Aluminium Collapsible Tubes Manufacturing, Project profile on Collapsible Tubes Manufacturing, Download free project profile on Aluminium Tube Production, Industrial Project Report, Project consultant, Startup Project for Aluminium Tube Production



Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Production of Aluminium Collapsible Tubes for Pharmaceutical, Adhesive, Toiletry & Cosmetics Industry. Aluminium Collapsible Tubes Manufacturing Industry.

**Collapsible Tubes Production Plant.** 

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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.

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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



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**

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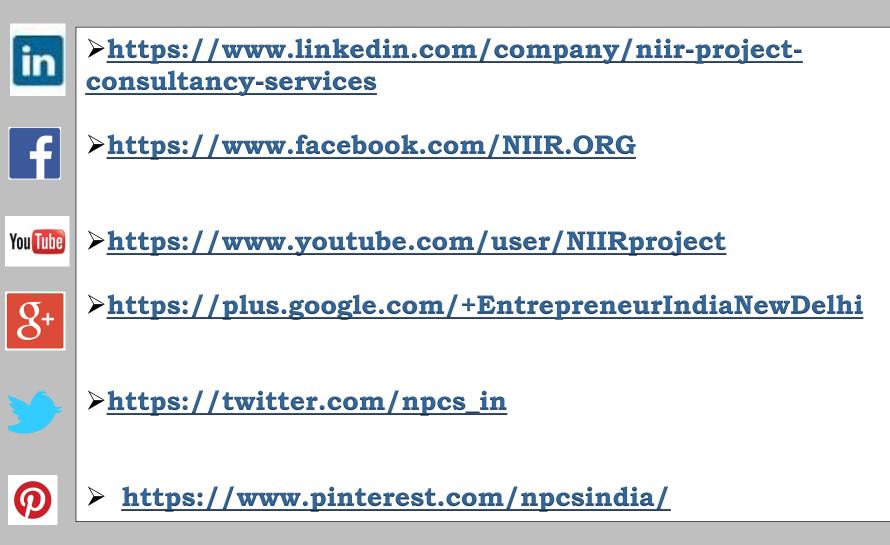
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Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd











#### For more information, visit us at: <u>www.niir.org</u> <u>www.entrepreneurindia.co</u>

