

Aluminium Ingots from Aluminium Scrap:

An Investment Project Opportunity for Startups and Entrepreneurs -

Secondary Aluminum Production, Aluminium Recycling, Aluminum Scrap/Chip Recycling, Waste Recycling

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

Aluminium plays a major role in the modern world through its innumerable applications, because of its intrinsic and versatile properties of lightness, strength to weight ratio, corrosion resistance, electrical and thermal conductivity, nontoxicity etc.

Secondary Aluminum Production is the process of recycling aluminum scrap into aluminum that can be used again—an environmentally sound process that is 92 percent more energy efficient than primary production.

In fact, aluminium scrap recycling has proven so valuable—both economically and ecologically—that recovery and recycling has become its own industry, and a highly successful one.

The aluminum industry works hard to encourage consumer recycling by educating the public and advocating for the expansion of municipal recycling programs.

The recycling of aluminium generally produces significant cost savings over the production of new aluminium, even when the cost of collection, separation and recycling are taken into account.

Over the long term, even larger national savings are made when the reduction in the capital costs associated with landfills, mines, and international shipping of raw aluminium are considered.

The process of casting aluminum ingots takes place through the fusion and refining of aluminum scrap previously retrained through the use of specific technological installations. The process that allows to obtain aluminum ingots from aluminum scrap is called smelting process.

Aluminium Ingots are produced through the smelting process. Various grades of ingots are produced which are used for production of castings in Auto Industry as well as electrical applications. Ingots of various dimensions with maximum purity of 99.7%. Ingots are the material that is cast into a shape suitable for further processing. Ingots usually require a second procedure of shaping, such as cold/hot working, cutting, or milling to produce a useful final product. Aluminium Ingots are re-melted and further processed into a large number of products for various downstream applications.

Aluminum ingots can be used in different sectors, including automotive, household appliances, lighting, construction, mechanics and household goods. The ingots are sent to other process or flattened into thin sheets, which are then used to make new cans. Aluminum is becoming a favourite with architects and builders opening up a potential for increasing use of metal in the construction industry. Likewise, the use of the metal is increasing in the auto sector.

The Indian Aluminium industry's enthusiasm to grow smelting capacity on an ambitious scale here and abroad. Aluminium industry in India is moving towards overcapacity, since supply is likely to grow in excess of demand going forward. Demand for aluminium is estimated to grow at 4 to 6% per annum. The demand for the metal is expected to pick up as the scenario improves for user industries like power, infrastructure and transportation, which are all on the move.

From around 1.6 mn tonne of demand in 2013-14, the demand by end 2019-20 is expected to touch a near 2.4 mn tonne, and is projected at close to 3.4 mn tonne by 2024-25.

In view of the above the market potential for Aluminium castings is good and also expected to be bright in near future.

Capacity : 1000 Kg /day

Plant & Machinery : 109 Lakhs

Cost of Project : 298 Lakhs

Rate of Return : 24 %

Break Even Point : 51 %

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can provide Detailed Project Report on
Aluminium Ingots from Aluminium Scrap

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Major Queries/Questions Answered in the Report?

- 1. What is Aluminium Ingots from Aluminium Scrap industry ?**
- 2. How has the Aluminium Ingots from Aluminium Scrap industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of a Aluminium Ingots from Aluminium Scrap ?**
- 4. What are the requirements of Working Capital for setting up a Aluminium Ingots from Aluminium Scrap ?**

- 5. What is the structure of the Aluminium Ingots from Aluminium Scrap Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Aluminium Ingots from Aluminium Scrap ?**
- 7. What are the operating costs for setting up a Aluminium Ingots from Aluminium Scrap ?**
- 8. What are the machinery and equipment requirements for setting up a Aluminium Ingots from Aluminium Scrap ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Aluminium Ingots from Aluminium Scrap ?**
- 10. What are the requirements of raw material for setting up a Aluminium Ingots from Aluminium Scrap ?**
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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 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 Aluminium Ingots from Aluminium Scrap” provides an insight into the Aluminium Ingots from Aluminium Scrap market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Aluminium Ingots from Aluminium Scrap project. The report assesses the market sizing and growth of the Indian Aluminium Ingots from Aluminium Scrap 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 Ingots from Aluminium Scrap sector in India along with its business prospects. Through this report we have identified Aluminium Ingots from Aluminium Scrap project as a lucrative investment avenue.

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can provide Detailed Project Report on
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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.

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- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
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- *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

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
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- *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*
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