Aluminium Ingots from Aluminium Scrap:
An Investment Project Opportunity for Startups and Entrepreneurs -
Secondary Aluminum Production, Aluminium Recycling, Aluminum Scrap/Chip Recycling, Waste Recycling
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.
### Project at a Glance

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<td><strong>Plant &amp; Machinery</strong></td>
<td>: 109 Lakhs</td>
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<td><strong>Cost of Project</strong></td>
<td>: 298 Lakhs</td>
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<td><strong>Rate of Return</strong></td>
<td>: 24 %</td>
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<td><strong>Break Even Point</strong></td>
<td>: 51 %</td>
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Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Aluminium Ingots from Aluminium Scrap

See more

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• 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 its characteristics and segmentation.

• This report helps you market and place the product correctly by identifying the target customer group of the product.

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• 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

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- 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.

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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.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Aluminium Ingots from Aluminium Scrap

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- Databases on CD-ROM
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- Entrepreneur India (An Industrial Monthly Journal)
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- 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.
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- 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
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- Cold Storage For Fruits & Vegetables
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Sectors We Cover

- Copper & Copper Based Projects
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- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
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- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing (Wet Milling) & Maize Based Projects
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- Stationary Products
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- Steel & Steel Products
- Textile Auxiliary And Chemicals
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- Wood & Wood Products
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