

Union Budget 2021 Announces a Vehicle Scrapping Policy to Phase out Old Vehicles

Automated Vehicle Scrapping and Recycling Unit

**Business Ideas and Opportunities for
Entrepreneurs**



Introduction

What is Auto Shredding?

The scrapping of cars and large household equipment is a method where the components fed into it are grinded to fist-size bits by a hammer mill. A combination of ferrous material, non-ferrous metal (e.g. copper and aluminium alloys), and shredding scrap, called vehicle shredder remnants of automotive shredder residue, resulted in the shredding of vehicles (ASR). ASR is made up of glass, fabric, rubber, liquids for vehicles, plastics, and soil. Often ASR is divided into dust and shredder in small proportion. These leftover materials are considered 'Car-fluff' occasionally.

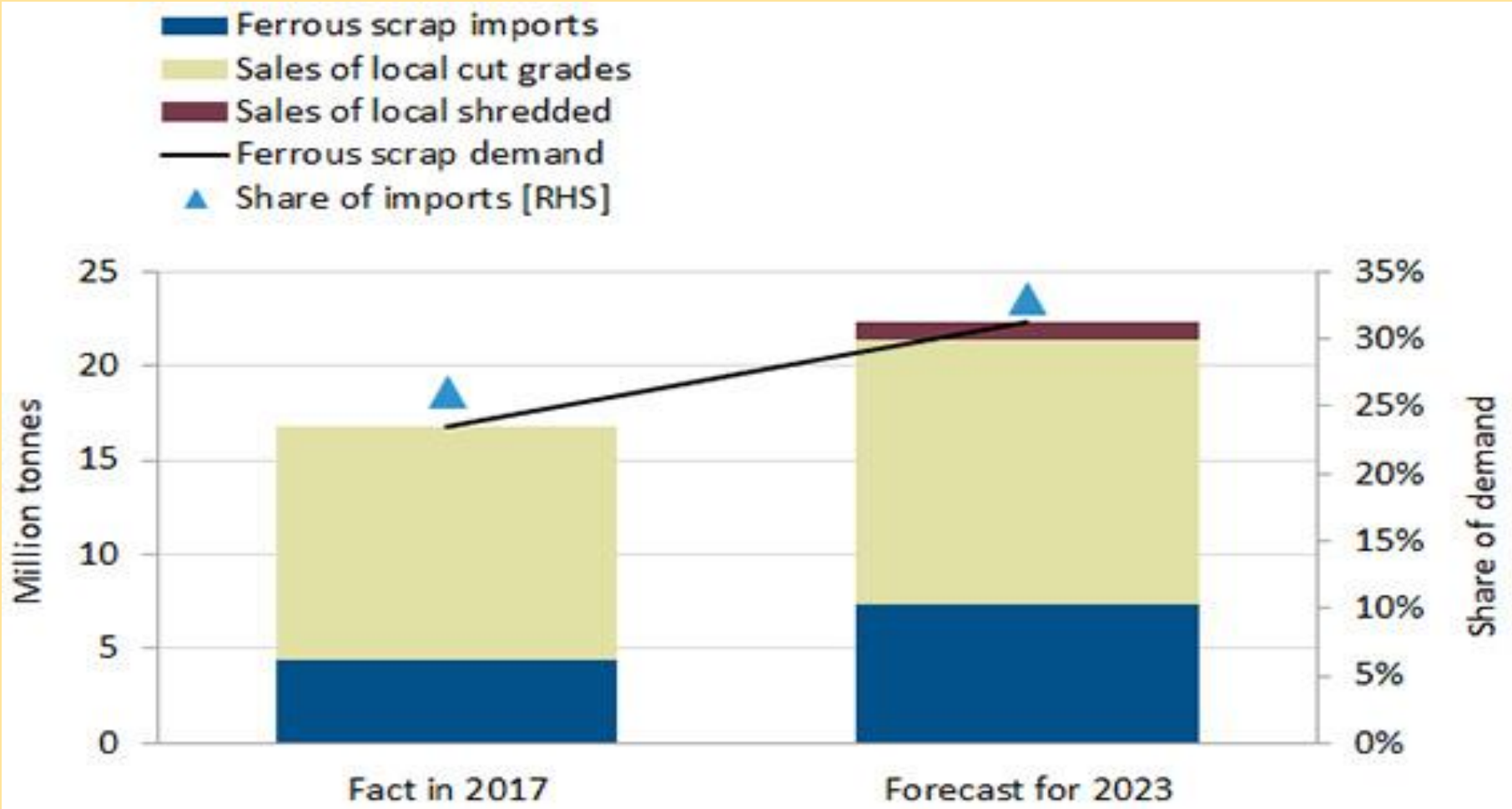
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At such a time when different economies run solely on recycled car scrap, India, the's greatest economy, has consumed an excessive amount of time to enter the market. Not only is scrap production a big-buck making industry from car recycling, but it also coincides with the additional advantage of being environmentally sustainable by getting the old polluting cars off the roads. Nevertheless, it has become evident, despite the odd regulation, that India is firmly interested in making attempts to mitigate air pollution and preserve the environment.

Related Books:- Products From Waste, Automobile, Leisure, Entertainment, Ware Housing & Real Estate Projects, Greases, Hospitality, Medical, Infrastructure, Lubricants, Petro Chemicals, Petroleum, Waste Management, Recycling

Scrap Import in India Overview



Sources: Metal Bulletin Research, CERO, ISSB

At 60.6 kg per capita, India's demand for steel is increasing, relative to over 400 kg per capita in developing countries. The need for steel is key to various urban/rural infrastructure projects implemented by the government and private sectors. The Indian steel sector contributes 50 percent of the share of secondary steel.

As ferrous scrap is one of the major raw materials for secondary steel production units, India's steel scrap demand is around 16-18 mnt pa. Of this necessity, it imports around 1/3rd of the content. In India, scrap imports have seen a gradual rise in the last few years India's FY16 scrap supply stood at 6.2 mnt, a rise of 12.7% from 5.5 mnt of material imported in FY15.

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With the Make in India project eyeing 300 mnt steel capacity, raw material requirements are likely to expand. The inclusion of indigenous scrap from auto-shredding would place Indian producers in a position of benefit, considering the existing demand for scrap in India. In recent times, India witnessed its 18th bulk scrap shipments in 2016. The demand for raw materials is increasing gradually.

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Scrap Metal Recycling Business Possibility:

Waste metals consist of many metals, with the exception of precious metals, such as iron, steel, copper, brass, aluminium, alloy, nickel, bronze, and many more. After multiple applications, such as in processing factories that produce utensils, frames, and various items utilizing these metals, these materials are left untouched as waste. Such metal waste arrives in big quantities and is very beneficial. Compared to some other recycling firm, what allows the metal recycling industry so much in popularity is the returns it provides.

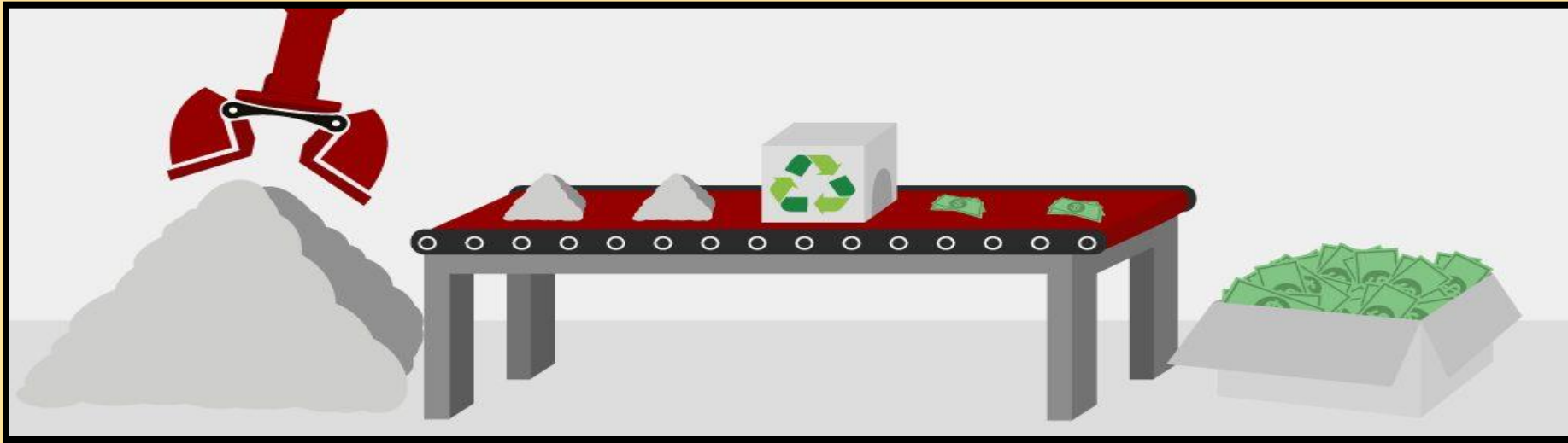
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You need to consider what you're going to recycle before you begin the business. To know precisely what is like to be in this market, it is therefore important to perform a viability study test. There are several benefits and drawbacks of this business, certain problems, and problems that fall in between that one wants to get an understanding about. Here's a short, thorough business strategy for metal recycling.

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What Is Needed To Start The Business Of Recycling?



Recycling plant: You need to have a factory which you build your recycling plant after deciding what kind of metal you are going to recycle and at what level. Consequently, since you recycle metal, you require an open area that is fairly large to construct the recycling facility, stock scrap metal, tools, machinery, and finished goods. Recycling metal is called a heavy industry task, so you must have a space-like warehouse.

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Infrastructure: To help your business, you ought to provide some decent infrastructure. A locked area where the computers are going to work. The location in which you are going to bring your recycled products, the area where you are going to separate metals, disinfect them, and so on. You will need a vented room that suits a typical factory layout. Build the infrastructure for security concerns to the requirements of a factory.

Metal Scrap: Join forces with scrap pickers, scrap dealers, landowners, and their likes to have the sum of metal scrap needed. Test it with independent scrap laborers as they can supply you with the scrap at a very low rate relative to a regular scrap dealer. If the need is immense, you should approach wholesalers selling metal waste.

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Equipment: You must have all the requisite recycling equipment, such as tanks, compressors, grinders, refiners, heating tools, etc. It would be safer if you got the new equipment since the modern equipment will be extremely efficient, and not traditional.

Machinery Required: You ought to get the recycling system that is needed. There is usually no particular disposal machine for metal fragments since it is performed in separate phases. For instance, a separation machine, cleaner, melting machine, grinding machine, container forming, cooling field, etc. are needed.

Market Research: - [Market Research Report](#)

Man Power: You do need human energy to function in your factory while being surrounded by so many robots. First, you ought to employ a specialist to guide your recycling venture since he would be well acquainted with the recycling work. You need any labor besides him, depending on the necessity. You will need to provide them with previous scrap metal plant experience.

Utilities: You require simple infrastructure like power link, water supply, transit system to convey recycled materials, better highways, plant at a required and chosen spot, and so on, much like every other plant. There could be other requirements that you might just have to look into in a scrap metal business cantered on the location wherever you want to operate your business.

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Documents and permission: You are going to begin a company for metal recycling that can be further used by producers. You therefore ought to get licenses from various agencies. First of all, you ought to have a document for a metal recycling facility where you must even state which kind of material you are trying to reuse.

Private Company Involvement

Although MSTC's change is a positive step, it might not be a smart option to route every scrap supply into MSTC solely. Private sector engagement must be promoted. A combination of competition-based private and public sector employees would be more effective.

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In the end, the automotive recycling industry in India portrays a tremendous opportunity for scrap production in the face of all the commitments and challenges. The use of scrap in steelmaking would lead to the steel cycle economy. India, as a developing world wants long-term opportunities to plug into such renewable, productive industries.

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India's Auto Shredding Kick Start-mstc And Mahindra Intergrade JV

In the freshly drafted MoU, MSTC Limited, a Mini Ratna Category-I PSU underneath the administrative jurisdiction of the Ministry of Steel, the Government of India, and Mahindra Intertrade Limited (MIL), combined forces to established India's first auto shredding factory.

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The plant would be the first in the world to construct such auto shredding units in the series. In the Make in India initiative, India's foraying into the car shredding market is also a generation ahead.



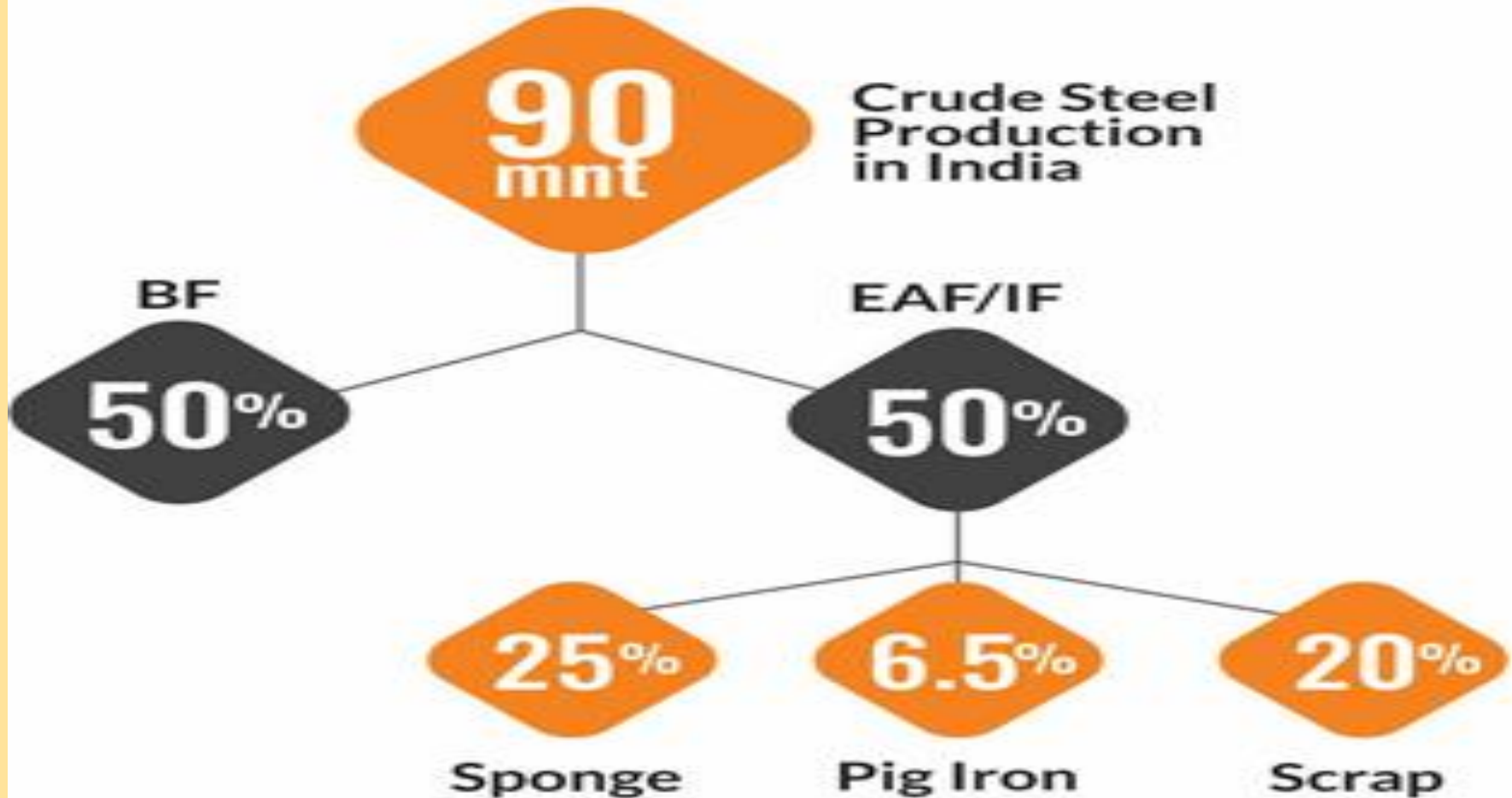
Can car recycling in India, become the next US, Europe, or China?

The US, Europe, and China are the world's biggest and most mature auto-recycling industries. From as far back as the 1970s, as in the situation of the US, these nations have been destroying old cars. It is very well known that these are industries focused on waste and the justification for this is auto recycling.

In the US, vehicle recycling dates back to the 1970s, while in the 2000s, Europe and Japan started recycling, followed by China in 2012. In developing countries, the overall industry value of car scraping is about 30+ million vehicles, producing about 27 million tonnes of waste.

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Ferrous Scrap Requirement in India



As India is the world's third-largest steelmaker, there is a tremendous opportunity for auto-recycling. India's car recycling will bring various advantages to the nation, ranging from a drive to fuel-saving and job growth in the automotive field. 25 percent (7 million vehicles) of the estimated cars that may originally be scrapped are projected to produce roughly USD 2.9 billion (analogous to ~INR 190 billion) in business. Such statistics are expected to rise with time. A car weights 1,400-1,600 kg on average. It contains 65-70% steel scrap, 7-8% aluminium scrap, 1-1.5% copper scrap and 15-20% rubber and plastic scrap upon recycle. A recycled car will earn approximately INR 30.000-35.000 at existing scrap rates (USD 380-455). It has the capacity to produce about 6 million tonnes (mnt) of waste, ~150,000 mt of copper scrap, ~0.8 mnt of aluminum scrap, and ~1.8 mnt of plastic and rubber scrap, considering 20-25% of vehicles are discarded in the first year. It is predicted that statistics will rise in the years ahead.

Car Recycling Market Prospects



In both the automobile and steel sectors, the car recycling market is a large sector with a strong market for End of Life Vehicles (ELV). The CEO of the Association of Automotive Recyclers (ARA), Michael E. Wilson, claims that both the prospects and the value of the automotive recycling market are increasing rapidly. These days, there are different opportunities for junk vehicle owners to sell their junk cars for money. On Craigslist, eBay and even directly to scrap yards and vehicle dealers, they will market their scrap vehicles.

Scrap yards and car dealers bid at the very same time for EOL vehicles sold on Craigslist, eBay, or directly from holders of scrap cars. Businesses ought to guarantee that they are fitted with the newest equipment in the industry and meet ARA-specified requirements for auto reuse activities

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Voluntary Scrapping Of Old Cars Is Proposed By Union Budget 2021-22

It is focused on health tests for personal vehicles over 20 years and for commercial vehicles over 15 years. For the automotive industry that has been waiting for a 'Scrappage Scheme' for the past decade, this is a welcome change. Constructing every industry from zero is a challenging job, and before actually achieving profitability, it must forehead different obstacles. For every country, when an initiative of this size is hired to work, the position of its people is vital. Whereas the government can take this step to grow the business, the people of the country who want to make deliberate attempts to protect and preserve the ecosystem by giving up their old vehicles are still a major part of the obligation.

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Union Minister Nitin Gadkari said the strategy would contribute to approximately 10,000 crores of new investment and generate as many as 50,000 jobs. It is projected that such cars cause 10-12 times greater emissions than the new vehicles.

Highlighting the policy's advantages, Gadkari said it would lead to scrap metal recycling, better protection, reduced air pollution, lower oil imports due to higher fuel consumption of existing vehicles, and encourage investment.

Recycled content from old cars would further lower costs, adding that the turnover of the automotive sector, which is Rs. 4.5 lakh crore with exports of Rs. 1.45 lakh crore, will have a lift.

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Bottom Line

The scrapping strategy would improve car purchases in the country as a fresh one will certainly be purchased by the one scrapping the vehicle. All in all, the Scrappage Program aims to help incorporate Rs 10,000 crore worth of fresh investment and generate 50,000 new employment options. The Scrappage Program would improve car purchases in the nation as a fresh one will definitely be purchased by the one scrapping the vehicle.

Overall, with the green flagging off the “Scrappage Policy”, the business is likely to hike up in the coming days and the business investment is not going to let anyone down. Voluntary car scrapping scheme to drive out old and obsolete cars, not only helping to curb emissions, but also reducing the fuel import bills of India. All in, the Scrappage Program aims to help incorporate Rs 10,000 crore worth of fresh expenditure and add 50,000 new work prospects.

NPCS is best known for providing a project report for its clients. All the project report covers detailed aspects of the business from analysing the market, confirming availability of various necessities such as plant & machinery, raw materials to forecasting the financial requirements. You can get in touch with the NPCS team through the official website and get benefited from the books and project reports provided by us.

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Major Queries/Questions Answered in the Report?

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

- 5. What is the structure of the Automated Vehicle Scrapping and Recycling Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Automated Vehicle Scrapping and Recycling Manufacturing Business?**
- 7. What are the operating costs for setting up Automated Vehicle Scrapping and Recycling Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Automated Vehicle Scrapping and Recycling Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Automated Vehicle Scrapping and Recycling Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Automated Vehicle Scrapping and Recycling Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Automated Vehicle Scrapping and Recycling Manufacturing Business?**
- 12. What is the Manufacturing Process of Automated Vehicle Scrapping and Recycling ?**

13. What is the total size of land required for setting up Automated Vehicle Scrapping and Recycling Manufacturing plant ?
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- 25. What are the Projected Pay-Back Period and IRR of Automated Vehicle Scrapping and Recycling Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Automated Vehicle Scrapping and Recycling Manufacturing project?**

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29. What is the Plant Layout for setting up Automated Vehicle Scrapping and Recycling Manufacturing Business?

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➤ **Along with financial details as under:**

➤ **Assumptions for Profitability workings**

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- Production Schedule
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- Site Development Expenses

➤ **Plant & Machinery**

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- Other Machineries (Miscellaneous, Laboratory etc.)

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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**

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Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on_ Automated Vehicle Scrapping and Recycling .” provides an insight into Automated Vehicle Scrapping and Recycling market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Automated Vehicle Scrapping and Recycling project. The report assesses the market sizing and growth of the Indian Automated Vehicle Scrapping and Recycling 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 Automated Vehicle Scrapping and Recycling sector in India along with its business prospects. Through this report we have identified Automated Vehicle Scrapping and Recycling project as a lucrative investment avenue.

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#ScrappingVehicle #RecyclingUnit #ScrappingandRecyclingUnit
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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

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.

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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.

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 India along with its business prospects.....[Read more](#)



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Niir PROJECT CONSULTANCY SERVICES

AN ISO 9001: 2015 CERTIFIED 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*

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

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

Sectors We Cover *Cont...*

- 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

Sectors We Cover *Cont...*

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

MARKET RESEARCH REPORTS

Objective

- ⌘ To get a detailed scenario of the industry along with its structure and classification
- ⌘ To provide a comprehensive analysis of the industry by covering aspects like:
 - ⌘ Growth drivers of the industry
 - ⌘ Latest market trends
 - ⌘ Insights on regulatory framework
 - ⌘ SWOT Analysis
 - ⌘ Demand-Supply Situation
 - ⌘ Foreign Trade
 - ⌘ Porters 5 Forces Analysis

Objective

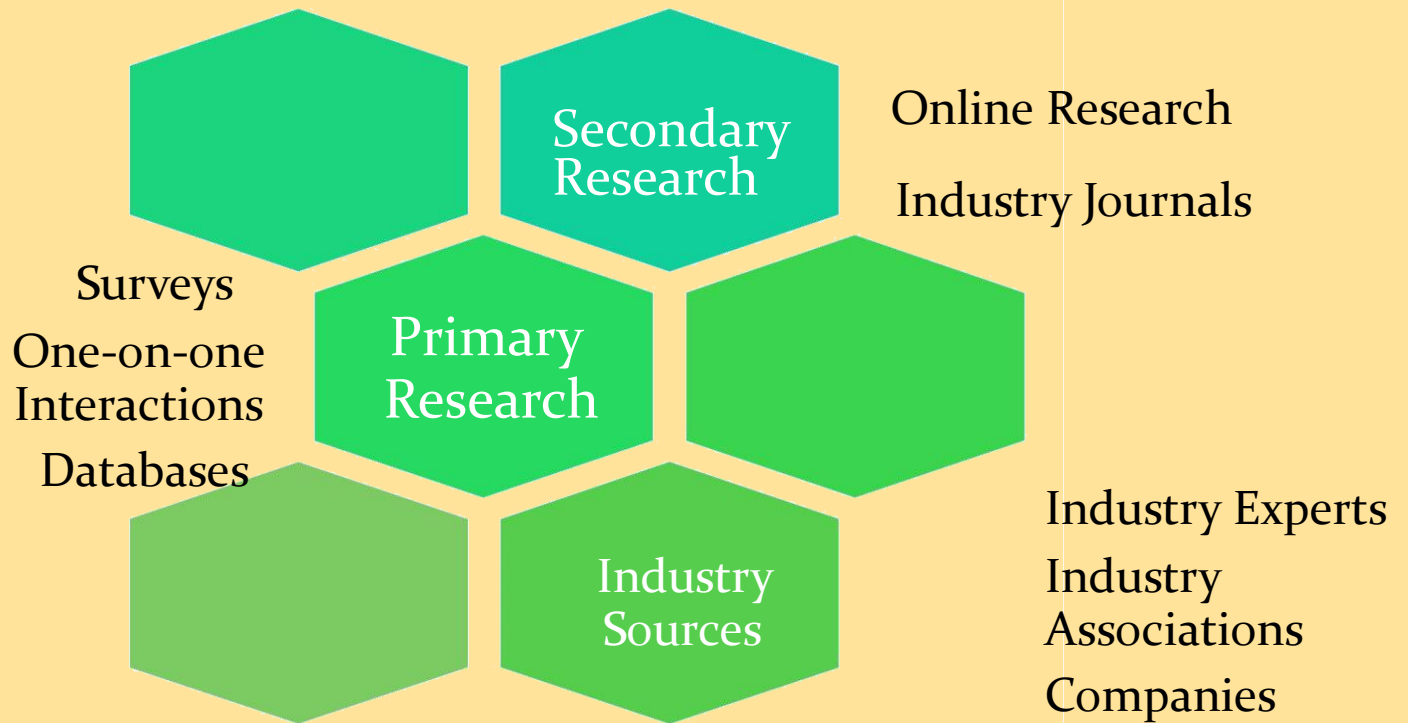
- ∞ To provide forecasts of key parameters which helps to anticipate the industry performance
- ∞ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ∞ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ∞ To evaluate the competitive landscape of the industry by detailing:
 - ∞ Key players with their market shares
 - ∞ Financial comparison of present players

Clientele

- ∞Venturist/Capitalists
- ∞Entrepreneur/Companies
- ∞Industry Researchers
- ∞Investment Funds
- ∞Foreign Investors, NRI's
- ∞Project Consultants/Chartered Accountants
- ∞Banks
- ∞Corporates

[Click here for list](#)

Data Sources



Scope & Coverage



Our Team

∞ Our research team comprises of experts from various financial fields:

∞ MBA's

∞ Industry Researchers

∞ Financial Planners

∞ Research veterans with decades of experience

Structure of the Report

- 1. Overview
- 2. Market Analysis
 - 2.1 Growth Drivers
 - 2.2 Emerging Trends in the Industry
 - 2.3 Regulatory Framework
 - 2.4 SWOT Analysis
 - 2.5 Herfindahl–Hirschman Index (HHI)
- 3. Market Forecasts
- 4. Key Players

Structure of the Report

Cont

- ⌘5. Key Financials and Analysis
 - ⌘5.1 Contact Information
 - ⌘5.2 Key Financials
 - ⌘5.3 Financial comparison
- ⌘6. Industry Size & Outlook

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Contact us

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Thank You

For more information, visit us at:

www.niir.org

www.entrepreneurindia.co