Project Opportunities in production of Copper Ingots/Copper Ash from Copper Ore.

Copper Extraction, Copper Processing, Making Copper Ingots.









Introduction

Copper is an important non-ferrous metal used in various forms for different applications. Copper being a major industrial metal, ranks third after iron and aluminium in terms of quantity consumed. Copper is a reddish malleable and ductile metal valued for its excellent thermal and electrical conducting qualities and resistance to corrosion. Copper combines with a number of elements to form a wide variety of copper minerals and ores.



Copper ingots are generally required by the Non-ferrous casting units which are engaged in the casting of different engineering components of brass, gun metal, bronze etc., the agricultural machinery, automobile industries and railway components. These ingots are also required for manufacturing of rods, tubes, strips, wires etc. The copper ingots manufactured from copper scrap are generally known as commercial quality ingots & do not come under the group of electrolytic copper as these are secondary quality ingots.



Copper is one of the oldest metals ever used and has been one of the important materials in the development of civilization. Copper is an important non-ferrous base metal having wide industrial applications. Today it has become a major industrial metal, ranking 3rd after iron and aluminum in terms of quantities consumed.

Copper today is a 8 billion US dollar industry in India having created 50,000 direct and indirect jobs and growing at a CAGR 5-7% per annum. India has a huge growth potential in copper consumption for the next 20-25 years as the government increases focus on smart cities, rapid urbanization and investments in infrastructure.



India is expected to be the 6th largest copper market by 2020 with major consumption sectors being - Electrical, Transport and Telecommunications. It is a strategic sector where copper demands is and will be from smart cities, power, transmission and defence. Total global consumption for copper is 26.7 million MT out of which India contributes 4% of the total as of 2014. In India we saw the total consumption of copper at 1.16mn tons in 2014. Out of this wire rod copper consumption was at 695KT and tube and strips copper consumption at 433 KT in 2014.



Global demand for copper metal (produced from refined copper and recycled scrap) is projected to advance 4.2 percent per year through 2019 to 36.0 million metric tons, valued at \$261 billion. Robust gains in building construction expenditures are expected to boost the use of copper wire, tube, and other mill products in applications such as building wire and plumbing. Increased infrastructure investment, particularly in developing countries, will further benefit copper suppliers as updates to national power grids drive the production of wire and cable. In addition, advances in global manufacturing output are expected to bolster the use of copper metal in transportation equipment, industrial machinery, domestic appliances, and other durable goods.

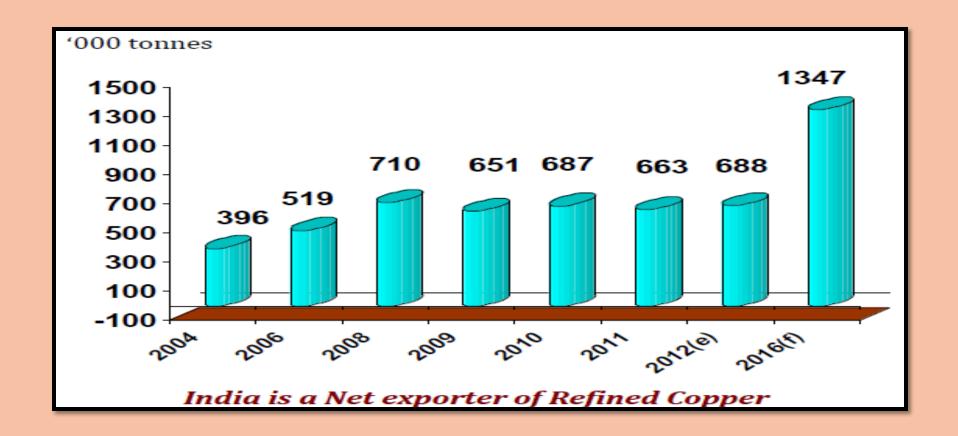


Copper

Demand : Past and Future			
Year	(In '000 Metric Tonne)		
1990-91	135		
2000-01	288		
2001-02	315		
2002-03	397		
2003-04	415		
2004-05	438		
2005-06	486		
2006-07	545		
2007-08	616		
2008-09	702		
2009-10	810		
2010-11	895		
2011-12	970		
2012-13	1035		
2013-14	1110		
2014-15	1185		
2015-16	1260		
2016-17	1375		
2017-18	1450		
2018-19	1590		
2019-20	1725		
2024-25	2560		

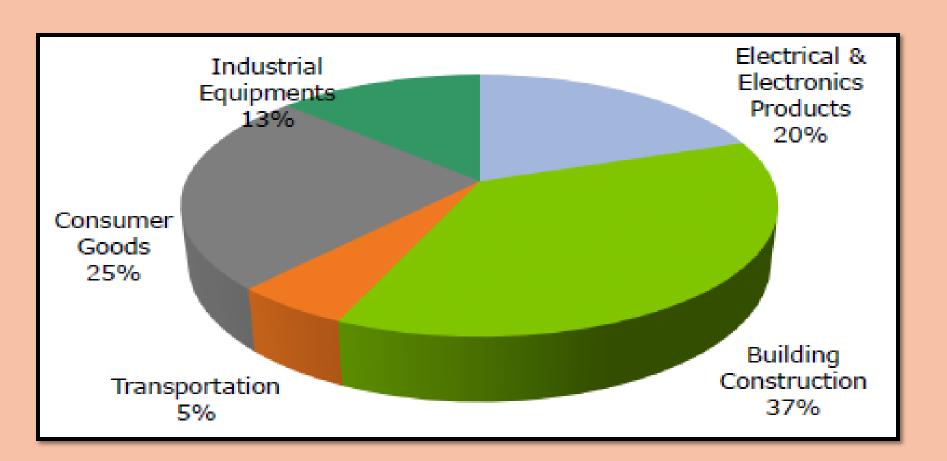


Copper Production





Copper Usage in India (Sector-wise)





Copper and copper products are widely used in fields of electric power, electronic, energy and petro chemistry, machinery and metallurgy, transportation, light industry and emerging industry. It ranks the second in China's non-ferrous metal consumption only second to aluminum.



Top countries where Copper Ingots is exported from India

Country	Value
Germany	36.01
United Arab Emirates	31.29
Netherlands	22.27
France	20.81
Japan	19.06
Thailand	17.14
Malaysia	17.07
Denmark	14.74



Cost Estimation of Project:

Capacity: 3000 MT / Annum

Plant and Machinery: 279 Lakhs

Rate of Return (ROR): 46%

Break Even Point (BEP: 45%

Cost of Project: 684 Lakhs



Major Queries/Questions Answered in the Report?

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



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



- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Copper Ingot/Copper Ash Manufacturing plant?
- 10. What are the requirements of raw material for setting up Copper Ingot/Copper Ash Manufacturing plant?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Copper Ingot/Copper Ash Manufacturing Business?
- 12. What is the Manufacturing Process of Copper Ingot/Copper Ash?



- 13. What is the total size of land required for setting up Copper Ingot/Copper Ash Manufacturing plant?
- 14. What will be the income and expenditures for Copper Ingot/Copper Ash Manufacturing Business?
- 15. What are the Projected Balance Sheets of Copper Ingot/Copper Ash Manufacturing plant?
- 16. What are the requirement of utilities and overheads for setting up Copper Ingot/Copper Ash Manufacturing plant?
- 17. What is the Built up Area Requirement and cost for setting up Copper Ingot/Copper Ash Manufacturing Business?



- 18. What are the Personnel (Manpower) Requirements for setting up Copper Ingot/Copper Ash Manufacturing Business?
- 19. What are Statistics of Import & Export for Copper Ingot/Copper Ash?
- 20. What is the time required to break-even of Copper Ingot/Copper Ash Manufacturing Business?
- 21. What is the Break-Even Analysis of Copper Ingot/Copper Ash Manufacturing plant?
- 22. What are the Project financials of Copper Ingot/Copper Ash Manufacturing Business?



- 23. What are the Profitability Ratios of Copper Ingot/Copper Ash Manufacturing Project?
- 24. What is the Sensitivity Analysis-Price/Volume of Copper Ingot/Copper Ash Manufacturing plant?
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- 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
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Scope of the Report

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



Tags

Ingot Manufacture, Copper Ingot Making Plant, Ingot Copper Manufacturing, Copper Ingot Manufacturing Plant, Copper Ingot Production, Copper Ash from Copper Ore, Copper Ingot Production Plant, Production of Copper Ingots from Copper Ore, Making Copper Ingots from Scrap, Copper Ingot Production Process, Making Copper Ingots from Copper Ore, Copper Ingot / Copper Ash from Copper Ore Manufacturing Plant, How to Make Copper Ingots from Copper Ore? Copper Ingot Processing, Business Plan for Copper Industry, Copper Production Plant, Copper Ash Plant, Copper Ore to Copper Ingot Manufacturing Process, Copper Ash Manufacture, Copper Ingot from Copper Ash, Copper Ingot Manufacturing project ideas, Projects on Small Scale Industries, Small scale industries projects ideas, Copper Ingot Manufacturing Based Small Scale Industries Projects,



Project profile on small scale industries, How to Start Copper Ingot Manufacturing Industry in India, Copper Ingot Manufacturing Projects, New project profile on Copper Ingot Manufacturing industries, Project Report on Copper Ingot Manufacturing Industry, Detailed Project Report on Production of Copper Ingots from Copper Ore, Project Report on Production of Copper Ingots from Copper Ore, Pre-Investment Feasibility Study on Copper Ash Plant, Techno-Economic feasibility study on Production of Copper Ingots from Copper Ore, Feasibility report on Copper Ingot Manufacturing, Free Project Profile on Copper Ash Plant, Project profile on Production of Copper Ingots from Copper Ore, Download free project profile on Copper Ash Plant, Industrial Project Report, Project consultant, Project consultancy, NPCS, Niir, Process technology books, Business consultancy, Business consultant, Project identification and selection, Preparation of Project Profiles, Startup, Business guidance, Business guidance to clients, Startup Project for Copper Ash Plant



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And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- Good Present/Future Demand
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- 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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NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u>, <u>info@entrepreneurindia.co</u>

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

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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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106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u>, <u>info@entrepreneurindia.co</u>

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

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