

Welding Electrode

Manufacturing Plant.

Production of Stick Electrodes,
Welding Rods, Weld Rods.





Introduction

An electrode is a metal wire that is coated. It is made out of materials with a similar composition to the metal being welded. Welding electrodes are installed in the weld head to touch and maintain contact with the work pieces through the full weld schedule. The welding electrodes play three different roles in resistance welding: maintaining uniform current density, concentrating current at welding points, and maintaining thermal balance during welding.



Welding electrodes are used for Arc welding purposes. The electrode is coated with the flux. Although electrodes are produced in different gauges, for the purpose of calculation for financial implications of technical details, the assumption has been made for the production of electrodes of 4mm diacore rods. The electrodes are used for fabrication work for joining the steel, alloy steel and cast iron parts for hard facing of jobs etc.



Welding is used to joining two or more metals or thermoplastics permanently with help of coalescence. Many energy sources are used for weldings such as molten metal baths, electric arcs, gas flames, electric resistance, friction, lasers and ultrasound. There are solid states welding processes like friction welding or shielded active gas welding which is widely applied because in these processes metal does not melt. Welding products are used various end-user industries like marine, building in & contractions, automobile, offshore and others.



Market Outlook

On the basis of welding consumables, the global welding consumables market can be segmented into stick electrodes, solid wires, flux cored wires, SAW wires & fluxes, and others. The stick electrodes segment accounted for 40.5% value share in 2016 and is expected to expand at a significant CAGR over the forecast period. On the basis of application, the global welding consumables market can be segmented into automotive & transportation, building & construction, marine applications, and others.



The building & construction segment accounted for 16.8% value share in 2016 and is expected to expand at a CAGR of 5.9% over the forecast period, due to increasing building and construction activities in emerging countries such as China and India.

The welding industry in India comprises various large, medium and small companies that manufacture welding consumables.



Global Welding Consumables Market Value, By Welding Consumables, 2017 (US\$ Mn)





Demand for welding consumables is directly proportional to steel production in the country. End-use industries such as transportation, building & construction, oil & gas, and power are likely to drive the welding consumables market in India in the near future. However, factors such as inconsistent supply of quality raw materials, shortage of skilled labor and competition from international companies may hamper market growth during the forecast period.

Welding stick



Welding stick electrodes dominated the welding consumables market in India. Stick electrodes are primarily used in manual welding and are a low cost alternative to other types of welding consumables products. The demand for welding consumables in India is likely to experience strong growth owing to the incessant advancements in technology and extensive growth of the end-use industries. The Indian welding consumables market is likely to rise at a 5.6% CAGR between 2014 and 2020. The market was worth INR 30.88 bn in 2013 and is likely to rise at a valuation of INR 45.37 bn by the end of 2020.



The global welding products market size was estimated at USD 11.82 billion in 2015 and is expected to witness significant growth over the forecast period. The factors can be attributed to rising demand from key application segments such as building and construction, transportation and automobiles, and marine.

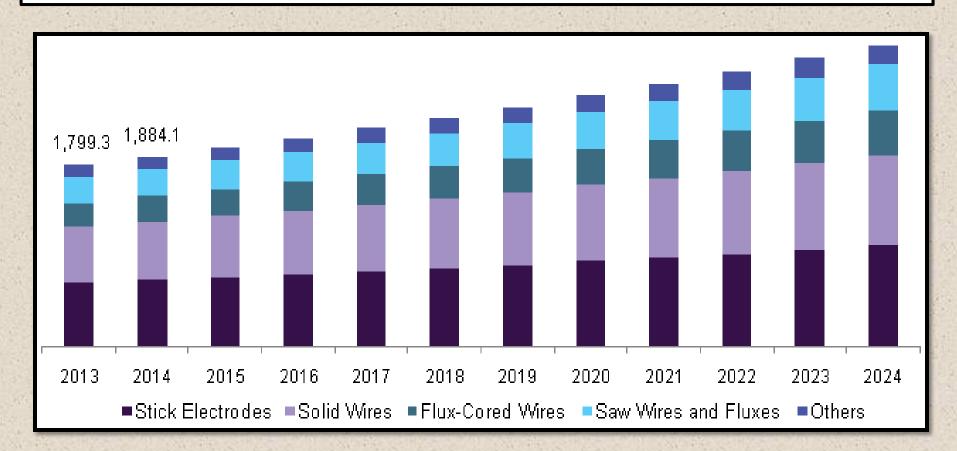


During the period 2016 - 2025, the global market is expected to grow at a CAGR of 5.3% to reach USD 19.76 billion by 2025. This growth can be credited to rapid urbanization and infrastructure development especially from emerging economies such as India, China, and others. Asia Pacific and Europe together account for more than 53% of global market size. infrastructural development and technological advancements in the automotive industry are expected to encourage demand over the forecast period.



U.S. Welding Products Market, By Product,

2013-2025 (USD Million)





Cost Estimation:

Capacity: 1200 MT/Annum (Welding

Rods)

Plant and Machinery cost: 21 Lakhs

Cost of Project: 165 Lakhs

Rate of Return (ROR): 49%

Break Even Point (BEP): 40%



Major Queries/Questions Answered in the Report?

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



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



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



- 13. What is the total size of land required for setting up Welding Electrode Manufacturing plant?
- 14. What will be the income and expenditures for Welding Electrode Manufacturing Business?
- 15. What are the Projected Balance Sheets of Welding Electrode Manufacturing plant?
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- 24. What is the Sensitivity Analysis-Price/Volume of Welding Electrode 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 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 Welding Electrode" provides an insight into Welding Electrode market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Welding Electrode project. The report assesses the market sizing and growth of the Indian Welding Electrode 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 Welding Electrode sector in India along with its business prospects. Through this report we have identified Welding Electrode project as a lucrative investment avenue.



Tags

Welding Electrode Manufacturing Plant, Welding Electrode Manufacturing Process, Project Profile on Welding Electrode Manufacturing, Welding Electrode Making Business, Welding Electrode Plant, Welding Electrode Manufacturing Unit, Production of Welding Electrodes, Welding Electrode Manufacturing Company, Production Electrodes, Welding Electrode Manufacturing of Machinery, Manufacturing of Welding Electrode, Production of Welding Electrodes, Project Report on Welding Electrodes Production, Welding Electrode Production Plant, Business Plan for Manufacturing of Welding Electrode, Electrode Production, Welding Electrode Making Factory, Electrode Manufacturing Process, Manufacture of Welding Electrode, How to Start Welding Rods Manufacturing Business, How to Start Welding Business, Welding Electrode Manufacturing Plant Cost, Electrode Making Plant, Starting Welding Business, Welding Industry in India, Welding Electrode Manufacture, Electrode Manufacturing project ideas, Projects on Small Scale Industries, Small scale industries projects ideas,



Welding Electrodes Production Based Small Scale Industries Projects, Project profile on small scale industries, How to Start Electrode Manufacturing Industry in India, Stick Electrodes Production, Manufacturing of Stick Electrodes, Stick Electrodes Manufacturing industry, How to Start Stick Electrodes Manufacturing Business, Weld Rods Production, Manufacturing Plant of Weld Rods, How to Start Weld Rods Manufacturing Industry, Production of Weld Rods, How to Manufacture of Weld Rods? Manufacturing of Weld Rods, Weld Rods Production Plant, Weld Rods Manufacturing Plant, Stick Electrodes Manufacturing Plant, Stick Electrodes Manufacture, Welding Rods Production Plant, Welding Rods Manufacturing Plant, Manufacturing of Welding Rods, Production of Welding Rods, How to Start Production of Welding Rods, How to Start Welding Rods Manufacturing Business, Electrode Manufacturing Projects, New project profile on Welding Electrodes Production industries, Project Report on Electrode Manufacturing Industry, Detailed Project Report on Welding Electrodes Production, Project Report on Welding Electrodes Production, Pre-Investment Feasibility Study on Welding Electrodes Production, Techno-Economic feasibility study on Welding Electrodes Production, Feasibility report on Welding Electrodes Production, Free Project Profile on Welding Electrodes Production, Project profile on Welding Electrodes Production, Download free project profile on Welding Electrodes Production, Startup Project for Welding Electrodes Production



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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
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- 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.

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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- O 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
- 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



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