

Steel Fabrication Industry.

Commercial Metal Fabrication.

Profitable Business Ideas in Steel Industry



Introduction

Steel Fabrication is the process involved in shaping, cutting and assembling components which are designed with steel. Industries in the fabricated steel sector transform steel into intermediate or end products, other than machinery, metal furniture, or treat metals and metal formed products fabricated elsewhere. Important fabricated steel processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of the metal; and other processes, such as welding and assembling, used to join separate parts together.





Here are more of Steel's Major Benefits:

Strength and Durability

Steel is used frequently in commercial buildings, partly due to its ability to withstand the wear and tear of weather conditions. It's stronger than most other building materials, including concrete. Another benefit is that steel has a long lifespan and often comes with a warranty.

• Constructability

Structural steel buildings can be constructed easily and at a rapid pace. Steel frames for buildings can be erected in no time. Construction projects usually cause disruption to nearby buildings and roads. Speedy construction reduces this and also leads to savings in site preliminaries.



- Steel can be easily fabricated and produced massively. Steel sections
 can be produced off-site at shop floors and then assembled onsite.
 This saves time and increases the efficiency of the overall
 construction process.
- Structural steel is very flexible. Structural steel is relatively cheap compared to other building materials. It is very durable. Structural steel structures can withstand external pressures such as earthquakes, thunderstorms, and cyclones. A well-built steel structure can last up to 30 years if maintained well.





Market Outlook

The Steel fabrication market can be segmented based on type and enduse industry. Austenitic stainless steel, super-austenitic stainless steel, ferritic stainless steel, martensitic stainless steel, and duplex stainless steel are the different types of stainless steel. The different types of stainless steel fabrication market are classified based upon their crystalline structure. Austenitic stainless steel products are widely used as compared to other stainless steel. It comprises austenitic crystalline structure, which exhibits a face-centered cubic crystalline structure. Super-austenitic stainless steel contains high amount of molybdenum, nitrogen additions, and nickel. It reduces the sensitization effect caused by high temperatures.



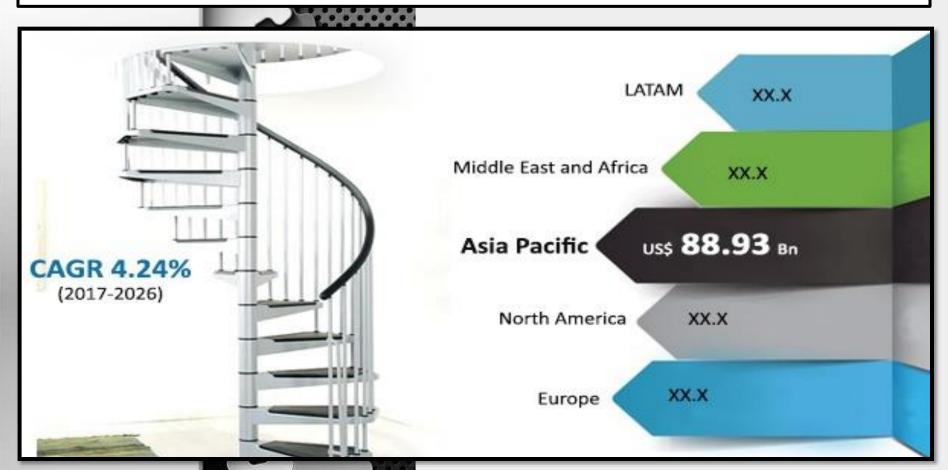


The global structural steel fabrication market, in terms of revenue, was valued at US\$ 132.17 Bn in 2017. It is projected to expand at a CAGR of 4.24% during the period 2018 to 2026. Expansion of construction and automobile sectors across the globe and increase in number of manufacturing plants are key factors driving the structural steel fabrication market.





Structural Steel Fabrication Market Value, By Region, 2018 (US\$ Bn)





The use of structural steel fabrication is not just restricted to the constructions sector, and several other industries have also emerged as prominent end-users. The automotive sector has become a key user of structural steel in recent times, and this factor has given a strong impetus to the growth of the global structural steel fabrication market. Furthermore, the presence of a seamless energy sector is also a key driver of demand within the global market for structural steel fabrication. There is a strong possibility of new end-user industries for structural steel fabrication originating in the global market.





Global Structural Steel Fabrication Market by End-use Industry:

- Construction
- Automotive
- Manufacturing
- Energy & Power
- Electronics

Key Manufacturers of Global Market by CAGR Analysis: O'Neal Manufacturing Service, BTD Manufacturing Inc., Kapco Inc., Mayville Engineering Company, Inc., Watson Engineering Inc., Defiance Metal Products, Standard Iron & Wire Works Inc., Ironform Corporation, EVS Metal, LancerFab Tech Pvt. Ltd., Interplex Holdings Pte. Ltd





Indian Steel Industry

Steel fabrication industry in India has come a long way over the last few years from a remote traditional welding of some structures to the manufacture of complete designed and innovative sheet metal for diverse direct applications. Technological up-gradation in this sector has not only helped industry reduce delivery time but also the leak proof and accurate designing of the structure.

In fact, fabrication industry which was considered until recently as the perennial business with new generations automatically passed on to from the previous one, has seen many new players entering into this segment with automated machines for various applications.





Interestingly, many highly qualified engineers and trained technicians have become entrepreneurs with own set of manufacturing unit which over the years have generated huge interest of next generations. Fabrication shops and machine shops have overlapping capabilities, but fabrication shops generally concentrate on metal preparation and assembly as described above. By comparison, machine shops also cut metal, but they are more concerned with the machining of parts on machine tools.

The Indian steel industry is very modern with state-of-the-art steel mills. It has always strived for continuous modernization and upgradation of older plants and higher energy efficiency levels.





Indian steel industries are classified into three categories such as major producers, main producers and secondary producers.

India will be the brightest spot for the steel sector over the next 12-18 months. India's steel consumption is rising at least 5.5 per cent to 6 per cent every year, tracking strong GDP growth of 7.3 per cent to 7.5 per cent.





Major Steel Producing Countries in the World in 2017:

The top 10 Steel producing countries (including EU) accounted for 91.1 percent of global steel production in 2017

1.	China	831.7 MT	6.	Russia	71.3 MT
2.	European Union	168.1 MT	7.	South Korea	71.0 MT
3.	Japan	104.7 MT	8.	Turkey	37.5 MT
4.	India	101.4 MT	9.	Brazil	34.4 MT
5.	United States	81.6 MT	10.	Ukraine	22.7 MT



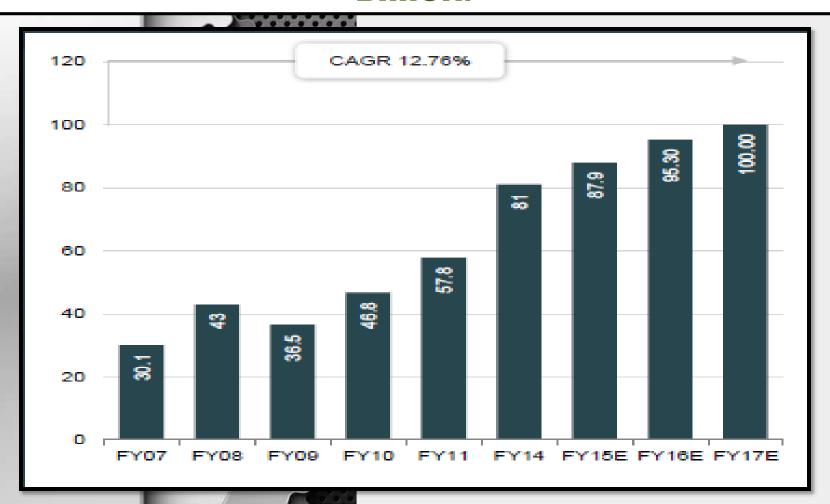
India was also a net exporter of steel in FY18. Exports and imports of finished steel stood at 5.15 MT and 6.55 MT respectively, during April 2018-January 2019 (P). Steel consumption is expected to grow 7.5 per cent year-on-year to 95.4 MT in 2018. India's steel production is expected to increase from 103.13 MT in FY18 to 128.6 MT by 2021.

The continued growth in GDP in India, in fact, indicates that major steel consuming segments such as construction, real estate/housing, capital goods/machinery, consumer goods, automobiles and energy sector shall benefit. The housing and construction sector, where major chunk of steel is consumed.





Market value of the Indian Steel Sector (US\$ Billion)





Major Key Players of the Industry:

- Tata Steel Ltd.
- SAIL
- JSW Steel Ltd.
- Jindal Steel and Power Ltd.
- Ispat Industries Ltd.
- Welspun-Gujarat Stahl Rohren Ltd.
- Bhushan Steel Ltd.
- Visa Steel Ltd.





Machinery Photographs



Typical: Press Brakes - Hydraulic





Typical: Shearing Machine-Mechanical





Typical: Laser Cutting System





Typical: Projection Welder, Press
Type



Cost Estimation:

Plant & Machinery (P & M): 47 Lakhs

Cost of Project: 158 Lakhs

Return of Return (ROR): 41.00%

Break Even Point (BEP): 64.00%





Major Queries/Questions Answered in the Report?

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





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





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



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





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





- 23. What are the Profitability Ratios of Steel Fabrication Project?
- 24. What is the Sensitivity Analysis-Price/Volume of Steel Fabrication plant?
- 25. What are the Projected Pay-Back Period and IRR of Steel Fabrication 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 Steel Fabrication." provides an insight into Steel Fabrication market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Steel Fabrication project. The report assesses the market sizing and growth of the Indian Steel Fabrication 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 Steel Fabrication sector in India along with its business prospects. Through this report we have identified Steel Fabrication project as a lucrative investment avenue.





Tags



#Steel Fabrication, #Structural_Steel_Fabrication, #Metal_Fabrication, Structural Steel Fabrication Process, #Steel_Fabricating_Process, Steel Fabrication Process Flow Chart, Metal Fabrication #Metal_Fabrication_Industry, Structural Steel Design & Fabrication Process, Steel Fabrication Unit, Industrial Construction, #Steel_Fabrication_Industry, Commercial Industrial Steel Fabrication, Industrial Fabrication, Applications of Metal Fabrication, Steel Manufacturing Industry, Commercial Metal Fabrication, Fabricated Structural Metal Manufacturing, Fabrication Business Ideas, #How_to_Start_your_own_Steel_Fabrication_Business, Fabrication Opportunities in India, Start a Metal Fabrication #How_to_Start_a_Steel_Fabricators Business, Starting a Steel Fabrication Business, Want to Start a Steel Fabrication Business, Best Fabrication Business Ideas, How to Start a Steel Business, Fabrication Business, Profitable Steel Business Ideas, Steel Fabrication Business Ideas, Steel Business Opportunities, Project Fabrication Report Steel Industry, on #Detailed_Project_Report_on_Steel_Fabrication_Business, Project Report on Steel Fabrication, Pre-Investment Feasibility Study on Steel Fabrication, Technofeasibility study on Steel Fabrication #Feasibility_report_on_Steel_Fabrication_Industry, Free Project Profile on Steel Fabrication, Project profile on Steel Fabrication Business, Download free project profile on Steel Fabrication Industry

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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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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.





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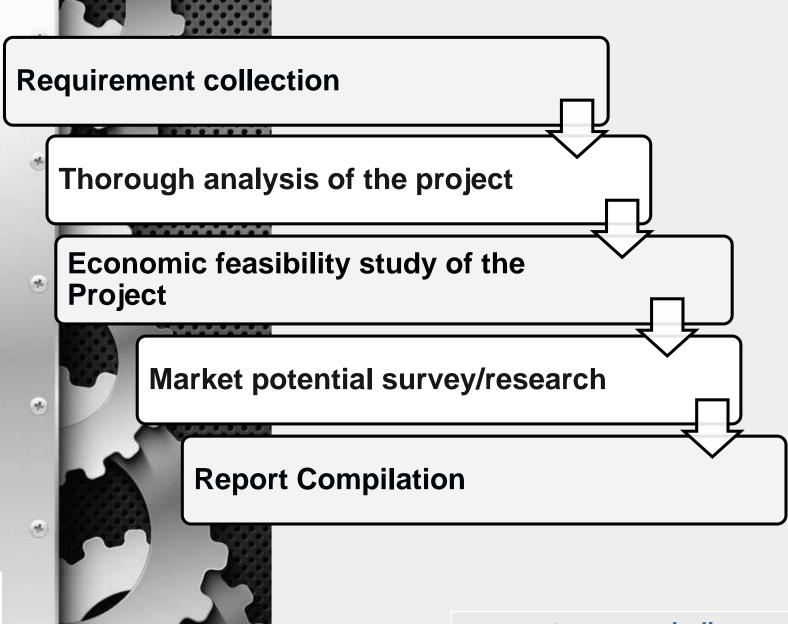
How are we different?

- 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





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