

# **India Cold Rolled Grained Steel Market, By Product Type (High Silicon Content, Low Silicon Content), By Manufacturing Process (Conventional Process, Non-Conventional Process), By End User (Automotive, Construction, Electrical & Electronics, Machinery & Tools, Others) By Region, Competition, Forecast & Opportunities, 2021-2031F**

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## **Abstracts**

### Market Overview

The India Cold Rolled Grained Steel Market was valued at USD 2.20 billion in 2025 and is projected to reach USD 3.54 billion by 2031, registering a CAGR of 8.11% during the forecast period. This growth is primarily driven by rising demand from key sectors such as automotive, construction, and electrical equipment. Cold rolled grained steel is produced by passing hot-rolled steel through rollers at room temperature, enhancing its strength and surface quality. The resulting fine grain structure contributes to superior aesthetic appeal and improved mechanical properties, including better tensile strength and hardness. Its application spans automotive body panels, household appliances, and architectural structures, where precision, durability, and finish are critical. The increasing need for lightweight, high-strength materials—especially in automotive manufacturing—combined with government-led industrial initiatives, is fueling the widespread adoption of cold rolled grained steel across India.

### Key Market Drivers

#### Growing Demand from Automotive Industry

The rising production and consumption in India's automotive sector is a key factor propelling the cold rolled grained steel market. The material's high strength, excellent surface finish, and dimensional precision make it well-suited for manufacturing body panels, structural frames, and aesthetic components. The growing preference for lightweight vehicles to enhance fuel efficiency and reduce emissions is also increasing the use of high-strength cold rolled steel. Initiatives such as the "Make in India" campaign and the "Automobile Mission Plan" are further boosting the domestic production of automobiles. As the country gears up for electric vehicle (EV) adoption and stricter emission norms, automotive manufacturers are prioritizing advanced materials that offer strength without added weight—an area where cold rolled grained steel excels.

## Key Market Challenges

### Fluctuating Raw Material Prices

Volatility in the prices of essential raw materials like iron ore and coal poses a significant challenge for the cold rolled grained steel market in India. As steel manufacturing relies heavily on these inputs, unpredictable cost fluctuations directly impact production expenses. These variations are influenced by global mining output, trade regulations, geopolitical tensions, and disruptions in supply chains. Since India sources both domestically and through imports, changes in global market dynamics have a pronounced effect. Additionally, the reliance on imported coal—especially for the blast furnace route—makes the industry vulnerable to international price swings, further complicating cost forecasting and pricing strategies for cold rolled steel manufacturers.

## Key Market Trends

### Increasing Adoption of High-Strength Steel

A notable trend shaping the India cold rolled grained steel market is the growing use of high-strength steel (HSS) across sectors like automotive, construction, and manufacturing. High-strength cold rolled grained steel offers a favorable combination of durability, lightweight characteristics, and enhanced structural integrity. In the automotive industry, the focus on fuel efficiency and crash safety standards is driving demand for HSS in the production of vehicle frames and panels. The transition to electric vehicles also supports this shift, as manufacturers seek to reduce vehicle weight without compromising strength or safety. This trend is expected to strengthen further as the government and private sector ramp up investments in

advanced infrastructure and smart mobility solutions.

### Key Market Players

ArcelorMittal

Nippon Steel Corporation

JFE Steel Corporation

Tata Steel Limited

POSCO

Steel Authority of India Limited (SAIL)

Hyundai Steel Company

Baosteel Group Corporation

### Report Scope:

In this report, the India Cold Rolled Grained Steel Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Cold Rolled Grained Steel Market, By Product Type:

High Silicon Content

Low Silicon Content

India Cold Rolled Grained Steel Market, By Manufacturing Process:

Conventional Process

Non-Conventional Process

## India Cold Rolled Grained Steel Market, By End User:

Automotive

Construction

Electrical & Electronics

Machinery & Tools

Others

## India Cold Rolled Grained Steel Market, By Region:

South India

North India

West India

East India

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Cold Rolled Grained Steel Market.

## Available Customizations:

India Cold Rolled Grained Steel Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

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