

India Float Glass Market Assessment, By Type [Clear, Tinted, Reflective, Mirror, Others], By Application [Building and Construction, Automotive, Industrial, Electronics, Others], By Region, Opportunities and Forecast, FY2019-FY2033F

Market Report | 2025-06-16 | 128 pages | Market Xcel - Markets and Data

AVAILABLE LICENSES:

- Single User License \$3500.00
- Multi-User/Corporate Licence \$4700.00
- Custom Research License \$7200.00

Report description:

India float glass market is projected to witness a CAGR of 5.00% during the forecast period FY2026-FY2033F, growing from USD 981.75 million in FY2024 to USD 1450.49 million in FY2033 driven by rapid urbanization and industrialization, fueling demand in construction and automotive sectors. The emphasis on energy-efficient building materials, supported by government regulations, has increased adoption due to float glass's thermal insulation properties. Additionally, the automotive industry's shift toward lightweight materials for fuel efficiency further boosts demand. Innovations such as smart glass technology and sustainable manufacturing practices, including green hydrogen adoption, are reshaping the market, aligning with global sustainability goals and enhancing competitiveness.

In January 2024, a Qatar-based global conglomerate Aria Holding announced an investment of USD 267 million in a state-of-the-art float glass manufacturing facility in Maharashtra, India. The investment was signed at the World Economic Forum 2024 Annual Meeting in Davos, Switzerland. The project is anticipated to boost the domestic supply of float glass, supporting infrastructure expansion, automotive growth, energy efficiency, employment generation, and technological advancements.

Capacity Expansion Drives Growth in India's Float Glass Market

India's float glass market is witnessing robust growth, driven by significant capacity expansions by domestic manufacturers to meet the rising demand across construction, automotive, and renewable energy sectors. The addition of new production lines, including those dedicated to solar glass, aligns perfectly with the increasing adoption of energy-efficient and sustainable building materials. This expansion not only reduces dependency on imports but also strengthens local supply chains and supports government initiatives such as "Make in India" and sustainable development goals. Furthermore, the growing focus on green buildings, smart infrastructure, and eco-friendly construction practices significantly enhances the market's long-term prospects. As urbanization accelerates and industries seek innovative glass solutions, capacity expansion remains a key catalyst propelling the Indian float glass market forward.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott-international.com

www.scott-international.com

Gold Plus, India's second-largest float glass manufacturing company expanded its manufacturing capacity for float glass with two line combining daily production of 1,600 tons at its Kanagala, Andhra Pradesh site. The first line of 800 TPD production was commercialized in June 2023, with sales of approximately USD 37 million from June to November 2023 and the second line commenced the operations in June 2024.

Solar Energy Driving Demand for Float Glass in India

India's solar energy expansion is significantly boosting the demand for float glass, particularly the solar panel glasses. The country has targeted 300 GW of solar power capacity by 2030, with advanced technologies such as bifacial and glass-to-glass modules becoming essential. These modules require durable, high-performance glass with superior optical and thermal properties, driving innovation in the float glass market. Domestic manufacturing is scaling up to meet this demand, supported by government initiatives such as Production Linked Incentives and import duties on solar panels. Despite challenges like supply-demand gaps, collaborations between module manufacturers and glass suppliers are fostering growth. Floating solar projects, leveraging India's abundant water bodies, further amplify the need for robust solar glass. As renewable energy adoption accelerates, the float glass market is poised to play a crucial role in supporting India's sustainability goals and reducing reliance on imports through localized production advancements.

According to Ministry of New and Renewable Energy, India's solar power sector has seen a 3450% increase in capacity over the past decade, reaching 100 GW in 2025 from 2.82 GW in 2014. In January 2025, the country's total solar capacity stood at 100.33 GW, with 84.10 GW under implementation and 47.49 GW under tendering. The country's hybrid and round-the-clock renewable energy projects are also advancing rapidly, with 64.67 GW under implementation and tendered, totaling 296.59 GW.

Rising Demand from the Hydrogen Industry Paving the Growth Ways of Float Glass Market

The float glass market is experiencing a transformative shift as the green hydrogen industry emerges as a pivotal driving force. Hydrogen is increasingly being adopted as a sustainable fuel alternative in glass production, significantly reducing carbon emissions. Moreover, the green hydrogen, produced through the electrolysis process powered by solar energy, has zero carbon footprint when employed into the glass production eliminate the gas emissions entirely. Successful trials by global manufacturers, such as Pilkington United Kingdom Ltd and AGC Group, demonstrate hydrogen's potential to replace natural gas while maintaining production efficiency and product quality. Furthermore, hydrogen's role in creating protective atmospheres during the float glass process further underscores its importance. This transition aligns with global decarbonization goals and rising demand for eco-friendly manufacturing practices, positioning hydrogen as a cornerstone for innovation and sustainability in the float glass sector.

In May 2024, Asahi India Glass Limited (AIS), India's leading glass manufacturer signed a 20-year offtake agreement with INOX Air Products (INOXAP) for the supply of Green Hydrogen to its greenfield float glass facility in Chittorgarh, Rajasthan. This will be India's first-ever Green Hydrogen Plant for the Float Glass industry, aiming to promote sustainable glass production. The plant capable of generating up to 190 tons of Green Hydrogen per annum through electrolysis was set to commissioned in July 2024.

Southern India is Witnessing the Fastest Growth in Float Glass Market

Rapid urbanization, infrastructure development, expanding automotive manufacturing hubs in the southern region of India driving the robust growth in the float glass market. Additionally, foreign investment for establishing state-of-the-art facility further making it largest manufacturing cluster for flat glass in the country. The presence of prominent float glass manufacturers investing in new production facilities, such as those near Chennai and Bengaluru, and Tamil Nadu further supports this growth. Moreover, rising demand for energy-efficient and sustainable building materials in commercial and residential construction is fueling market expansion. The region's focus on solar energy projects and smart infrastructure further boosts demand for advanced float glass products. Government initiatives promoting green buildings and renewable energy adoption also contribute to the accelerated growth in Southern India's float glass market, making it a key growth hotspot within the country.

In October 2023, Saint-Gobain India, a leading glass manufacturer and housing solutions company announced a USD 400 million investment in Tamil Nadu, part of a larger plan to infuse around USD 940 million into the state over the next 4-5 years. The investment aimed to utilize various manufacturing sectors, including glass wool, float glass, solar glass, adhesives, sealants, mortars, and ceramics, etc. This investment is expected to foster economic growth and solidify the company's presence in the region.

Future Market Scenario (FY2025 -FY2033F)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

-□ Increasing adoption of solar energy and expansion of photovoltaic installations are driving strong demand for high-quality solar float glass with superior durability and optical performance.

-□ Government initiatives promoting renewable energy, including subsidies, local manufacturing incentives, and import duties, are accelerating domestic production capacity expansion.

-□ Rising investments in utility-scale solar projects and floating solar farms increase the need for robust, weather-resistant float glass.

-□ Expansion of domestic manufacturing facilities and strategic collaborations between glass producers and solar module manufacturers enhance supply chain resilience and product quality.

-□ Increasing environmental regulations and global decarbonization goals encourage the adoption of green manufacturing processes, including the use of green hydrogen in float glass production.

Key Players Landscape and Outlook

The prominent players in the Indian float glass market are actively expanding their production capacities to meet growing demand from construction, automotive, and renewable energy sectors. They are investing in advanced manufacturing technologies to enhance product quality and diversify offerings, including solar float glass and energy-efficient variants. Strategic capacity expansions at greenfield sites and modernization of existing plants are common to improve operational efficiency and sustainability. These companies are also investing in the expansion of their pan-India distribution channels to achieve broader market coverage. End-user and technology supplier collaborations and partnerships are allowing them to innovate and customize products to meet changing market requirements. Large players are also increasingly incorporating eco-friendly manufacturing processes, including the use of green hydrogen, to capture global sustainability trends and regulatory pressures, positioning themselves for long-term success in the competitive float glass business.

In September 2023, Sisecam Flat Glass India Private Limited invested USD 56 million in a flat glass furnace in Halol, India, to increase its daily production capacity to 650 tons. The new furnace, with improved design and electric boosting capabilities, is expected to save 15% on energy.

Table of Contents:

- 1.□ Project Scope and Definitions
- 2.□ Research Methodology
- 3.□ Impact of U.S. Tariffs
- 4.□ Executive Summary
- 5.□ Voice of Customers
 - 5.1.□ Respondent Demographics
 - 5.2.□ Factor Consider in Purchase Decision
 - 5.3.□ Unmet Needs
- 6.□ India Float Glass Market Outlook, FY2019-FY2033F
 - 6.1.□ Market Size Analysis & Forecast
 - 6.1.1.□ By Value
 - 6.1.2.□ By Volume
 - 6.2.□ Market Share Analysis & Forecast
 - 6.2.1.□ By Type
 - 6.2.1.1.□ Clear
 - 6.2.1.2.□ Tinted
 - 6.2.1.3.□ Reflective
 - 6.2.1.4.□ Mirror
 - 6.2.1.5.□ Others
 - 6.2.2.□ By Application
 - 6.2.2.1.□ Building and Construction
 - 6.2.2.2.□ Automotive

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.2.2.3. Industrial
- 6.2.2.4. Electronics
- 6.2.2.5. Others
- 6.2.3. By Region
 - 6.2.3.1. North
 - 6.2.3.2. East
 - 6.2.3.3. West and Central
 - 6.2.3.4. South
- 6.2.4. By Company Market Share Analysis (Top 5 Companies and Others - By Value, FY2025)

6.3. Market Map Analysis, FY2025

- 6.3.1. By Type
 - 6.3.2. By Application
 - 6.3.3. By Region
- *All segments will be provided for all regions and countries covered

7. Porter's Five Forces Analysis

8. PESTLE Analysis

9. Market Dynamics

9.1. Market Drivers

9.2. Market Challenges

10. Market Trends and Developments

11. Competitive Landscape

11.1. Competition Matrix of Top 5 Market Leaders

11.2. SWOT Analysis for Top 5 Players

11.3. Key Players Landscape for Top 7 Market Players

11.3.1. Gujarat Guardian Limited

11.3.1.1. Company Details

11.3.1.2. Key Management Personnel

11.3.1.3. Products and Services

11.3.1.4. Financials (As Reported)

11.3.1.5. Key Market Focus and Geographical Presence

11.3.1.6. Recent Developments/Collaborations/Partnerships/Mergers and Acquisition

11.3.2. Saint-Gobain India Private Limited

11.3.3. Asahi India Glass Limited

11.3.4. Schott Glass India Private Limited

11.3.5. Sisecam Flat Glass India Private Limited

11.3.6. Gold Plus Glass Industry Limited

11.3.7. Sejal Glass Limited

*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

12. Strategic Recommendations

13. About Us and Disclaimer

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

India Float Glass Market Assessment, By Type [Clear, Tinted, Reflective, Mirror, Others], By Application [Building and Construction, Automotive, Industrial, Electronics, Others], By Region, Opportunities and Forecast, FY2019-FY2033F

Market Report | 2025-06-16 | 128 pages | Market Xcel - Markets and Data

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3500.00
	Muti-User/Corporate Licence	\$4700.00
	Custom Research License	\$7200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-07"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Signature

An empty rectangular box with a thin black border, intended for a signature.