



**Saint-Gobain.**

**The Future of Glass. Since 1665.**

**Saint-Gobain inaugurates the Third Float Glass Plant, Advanced Magnetron Coater & Glass Solutions Line at The World Glass Complex, Sriperumbudur**

### **The Saint-Gobain History**

“The Customer is King”. Nowhere else has this statement been truer than in the case of Saint-Gobain. Started in 1665, Saint-Gobain’s first customer was Louis XIV, the King of France. And his order? To make glass for the Hall of Mirrors in the Palace at Versailles. Over the next three centuries, through constant innovation in manufacturing technology and introduction of new products, Saint-Gobain has made glass a building material of choice that, besides satisfying the functional needs, providing immense aesthetic value both to the King and the common man. Since 1665, Saint-Gobain has been synonymous with the future of glass.

### **Saint-Gobain Now**

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients in the wellbeing of each of us and the future of all. They can be found everywhere in our living places and our daily life: in buildings, transportation, infrastructure and in many industrial applications. They provide comfort, performance and safety while addressing the challenges of sustainable construction, resource efficiency and climate change.

Sustainable Habitat is at the core of Saint-Gobain’s strategy - designing, manufacturing and distributing building materials which provide innovative solutions to the challenges of energy efficiency, environmental protection and enhanced comfort for daily living and working. Saint-Gobain is a signatory to the United Nations Global Compact 2003 and



played an important role in the Paris Climate change talks of 2015 (COP 21) and made a firm commitment to combat climate change by signing the Climate Pledge.

With global revenues of more than Eur 40.8 Bn in 2017, Saint-Gobain operates in 67 countries, has 945 production sites, with over 179,000 employees and files around 400 new patents every year. 1 in 4 products sold by Saint-Gobain did not exist 5 years ago. Having been a regular constituent of the Fortune 500 Global list (Ranked #231 in 2018), Saint-Gobain is also consistently ranked in the top 100 innovative companies (Thomson Reuters) worldwide. In 2018, Saint-Gobain has been conferred the Top Employer 2018 in 31 countries (and for the first time in India).

### **Saint-Gobain Group in India**

Over the years, the Saint-Gobain group has made significant investments in India in excess of INR 7500 Crs, achieved strong and profitable growth and built reputation as a strong brand. Today, it is a leader in all its major businesses with sales of over INR 7000 Crs in 2018.

Saint-Gobain has also invested in R&D in and for India. Saint-Gobain Research India (SGRI) located at the IIT-M Research Park in Chennai is the group's 7th Transversal Global Research & Development Centre. SGRI is working towards creating products and developing frugal customized solutions for hot and humid climates. In a very short span of time, SGRI has generated over 65 patents and 36 design registrations.

### **Saint-Gobain Glass in India**

Saint-Gobain's Glass business in India manufactures a wide variety of flat glass products and solutions for architectural and automotive requirements. It started operations in the year 2000 with the commissioning of its first float glass plant in Sriperumbudur, Tamil Nadu. Since then it has rapidly expanded, invested in excess of INR 5000 Crs and deepened its presence in the Indian flat glass market. Today, Saint-



Gobain is considered a strong Technology and Market Leader shaping the industry with wide range of advanced products and solutions with a unique pan-India manufacturing footprint with plants in Sriperumbudur, Tamil Nadu (started in May 2000), Jhagadia, Gujarat (acquisition in May 2011) & Bhiwadi, Rajasthan (greenfield investment started in March 2014).

Saint-Gobain has pioneered several Product, Marketing, Manufacturing, Application and Human Resources innovations that helped in the emergence of product differentiation, segmentation and knowledge / skill development in what was seen as a commodity industry.

### **Investing in Tamil Nadu**

Tamil Nadu has been an important part of Saint-Gobain's journey for the past 2 decades. The state displays several strengths like Infrastructure, Mineral resources, Uninterrupted Power, Water availability, Connectivity, People, Culture, Knowledge & Skill pool, and a Government machinery that is responsive, efficient, collaborative, solution-oriented and one that fulfills promises made in the MoUs. The Government machinery has in fact, been the portal of entry for Saint-Gobain Glass, in India.

On the 10<sup>th</sup> of September 2015, during the Tamil Nadu Government's Global Investors' Meet Saint-Gobain signed an MoU with the Government of Tamil Nadu committing an investment of INR 800 Crs over a period of 5 years. Far exceeding the commitment in quantum and in lesser time, Saint-Gobain has invested more than INR 1200 Crs achieving over 150% of the original commitment within 3 years, taking the overall investment in Tamil Nadu to excess of INR 3400 Crs.



## **The World Glass Complex of Saint-Gobain at Sriperumbudur**



Saint-Gobain's glass manufacturing facilities in South India are housed in the World Glass complex at Sriperumbudur, near Chennai.

**Spread over a campus of 177 acres, the World Glass Complex (WGC) with investments in excess of INR 3000 Crs, is one of the largest investments in a single location by Saint-Gobain worldwide and houses:**

- 3 Float Glass lines
- 2 state-of-the-art advanced Magnetron Coater lines scalable to 140 Million Sq feet delivering High Performance, High Selective, Energy Efficient Glass to the building industry.
- Automotive processing lines for 1.3 Million car sets annually.
- Solar Control Reflective Glass manufacturing facility to produce on-line coated glasses for the residential markets.



- A 50 Million Sq feet state-of-the-art Mirror Processing Line which is capable of making eco-friendly (Copper-free, Lead-free) mirrors & lacquered glass for interior applications.
- State of the art Glass Solutions facility for Fire Safety, Bullet Proof, Blast Proof, advanced Marine applications and Insulated & Laminated glazing.
- Two Rain Water Harvesting Reservoirs with a combined capacity of 130 Million liters – 100% of the water requirement of the new and the third float glass plant facility will be met from this mammoth capacity.
- An innovative Urban Forest initiative that will house 100,000 native trees by end 2019 of which 74,000 trees have been already planted.

Over the last decade, backed by a strong and consistent Tamil Nadu Government, focused bureaucracy that met all the MoU commitments and the excellent human resources of Tamil Nadu, the World Glass Complex has evolved to be amongst the best and most integrated glass facilities anywhere in the world.

**Inauguration of the Third Float Glass Plant, Advanced Magnetron Coater & Glass Solutions Line and a 72 Mn capacity Rainwater Harvesting Reservoir, at the World Glass Complex, Sriperumbudur**

To meet the growing demand of the glass markets - both domestic and international, Saint-Gobain inaugurated three world class facilities - a third float glass manufacturing plant, an advanced magnetron coater and glass solutions line and a 72 Mn capacity Rainwater harvesting reservoir, at the World Glass Complex, Sriperumbudur. Each of these facilities was dedicated to the nation by the **Hon'ble Chief Minister of Tamil Nadu, Thiru Edappadi K. Palaniswami** on January 28<sup>th</sup> 2019. Set up with an investment of over INR 1200 Crs, this takes the cumulative investment in the World Glass Complex, Sriperumbudur to more than INR 3000 Crs.



### **The third float glass plant:**

- The third float glass plant will be the largest in India and the Region, and is equipped to manufacture a wide range of complex products that cater to the needs of sustainable habitats and affordable luxury.
- It is an automated, energy efficient, scalable and flexible, state-of-the-art integrated glass facility.
- The plant features several innovative processes that are being deployed for the first time in India and the Region – a modern plant with advanced robotic technology, 3.5 MW roof top solar power generation facility as well as 1.2 MW electrical power generation from the waste heat of the furnace meeting almost 100% of its electrical energy needs.
- In line with Saint-Gobain's commitment to sustainable development, the facility will incorporate several innovations contributing to sustainability. The energy efficiency measures on the float-line make it one of the most efficient furnaces of Saint-Gobain and will be a benchmark for glass manufacturing facilities worldwide.

### **Advanced Magnetron Coater and Glass Solutions Line:**

Keeping in mind the global trends, Saint-Gobain invested in a second magnetron coater facility. With this, the World Glass Complex will have the capacity to manufacture 144 million sq ft of High-Performance, High-Selective, Energy-Efficient Glass catering to entire Africa, Middle-East, ASEAN, Oceania region. It will accelerate Saint-Gobain's vision to develop the World Glass Complex at Sriperumbudur as a regional resource for catering to the needs of international clients.

The Glass Solutions line that got inaugurated, manufactures advanced insulated and laminated glass. The line is equipped with the state of art cutting & grinding facilities, tempering furnaces, screen printing, lamination and insulated glass unit production lines - with capability of handling Jumbo glass sizes as well. The solutions facility will serve as



a one stop source for servicing the requirements of mega and super-mega projects in India and around the world.

### **The Second Rainwater Harvesting Reservoir:**

A second rain water harvesting reservoir with a capacity of over 72 Mn liters was also inaugurated by the Hon'ble Chief Minister. With this capacity addition, the World Glass Complex will have an overall capacity of 130 Mn liters and would meet a significant part of the water requirements.

“As one of the fastest growing economies in the world, India is an important market and investment destination for Saint-Gobain. As a global leader in the construction industry we see immense opportunities in India to utilize our expertise in sustainable building solutions to enhance human habitats and promote well-being in living spaces. Over the past two decades we have consistently invested in developing new markets, in building new world-class manufacturing facilities, in technology and in human capital. We are an innovation driven company and our investment in Saint-Gobain Research India, our world-class Research Centre in Chennai, is aimed at developing innovative solutions not only for markets such as India, but also for the world. And India has consistently encouraged and supported us – our products are well accepted; our businesses have leadership positions; the Brand recall of Saint-Gobain in India is as good as that in France. Indeed, we are as much an Indian Company as we are French.” said Mr Pierre-André de CHALENDAR, Chairman and Chief Executive Officer, Compagnie de Saint-Gobain, France.

“India is amongst the best performing regions for Saint-Gobain and it has been our constant endeavor to develop the markets in India by bringing the best technologies and building world-class manufacturing facilities, in line with the Government's ‘Make in India’ mission. Over the years, we have made significant investments across all our businesses – Glass for buildings and for automotive, Gypsum Plasterboard and Plasters, Abrasives, Ceramic Materials, Performance Plastics and so on. Since our entry into



India in 1996, we have invested about Rs.7500 crores. Today, we have built a pan-India manufacturing presence and have developed strong market positions in all our businesses. About 95 % of our local sales are of products manufactured at our plants in India” said Mr. Anand Y Mahajan, Chairman, Saint-Gobain India Private Limited.

“We strongly believe in India’s future and have consistently invested ahead of time in Capacity, Capability, Technology and Innovation. The World Glass Complex at Sriperumbudur, Saint-Gobain’s largest investment in a single location worldwide is set to welcome the largest and most advanced glass manufacturing plant in India along with advanced magnetron coater and glass solutions line. This new expansion will accelerate Saint-Gobain’s momentum in realizing the Vision of being the Clear Choice for Glass Solutions in India and the adjoining region.” said Mr. B Santhanam, Managing Director, Saint-Gobain India Private Limited.

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**Future of Glass. In India.**

28<sup>th</sup> January 2019

<b>Anand Y Mahajan</b> Chairman – Saint-Gobain India Pvt Ltd	<b>B Santhanam</b> Managing Director-Saint-Gobain India Pvt Ltd
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