



Tata Group to Build the Nation's First Indigenous Semiconductor Assembly and Test facility in Assam to Serve Global Customers

INR 27,000 crs investment in a greenfield facility in Assam for assembly and testing of semiconductor chips for applications across automotive, mobile devices, artificial intelligence (AI), and other key segments to serve customers globally.

Mumbai, February 29, 2024 – In a significant step towards creating an end-to-end semiconductor manufacturing ecosystem in India, Government of India has approved a proposal by Tata Electronics to build a state-of-the-art, greenfield semiconductor assembly and test facility in Jagiroad, Assam. The facility will be built with an investment outlay of INR 27,000 crore and is expected to generate over 27,000 direct and indirect jobs in the region.

Tata Electronics Pvt. Ltd. (wholly owned subsidiary of Tata Sons Pvt. Ltd.) will build this facility focusing on three key platform technologies - Wire Bond, Flip Chip, and a differentiated offering called Integrated Systems Packaging (ISP), with plans of expanding the roadmap to advanced packaging technologies in the future. These technologies are extremely critical for key applications in India – like automotive (especially electric vehicles), communications, network infrastructure and others. Tata Electronics has already made significant investments in indigenous technology development for all these platforms and has put together a very credible team with over 1,000+ years of global domain experience to drive this project. The proposed facility will serve the growing global demands across key market segments like AI, industrial, and consumer electronics.

The construction of the facility is scheduled to start this year with the first phase of the facility becoming operational by mid-2025 and will provide an immense boost to industrialization in North-East India. The project is envisioned under the Government of India's Semiconductor policy being driven by the India Semiconductor Mission and the Government of Assam's Electronics policy.

Semiconductor assembly and test is a critical part of the semiconductor value chain where wafers manufactured by semiconductor fabs are assembled or packaged and then tested before they are finally used in the desired product. Innovations in semiconductor assembly and test are driving increased performance, reduced form factor, and reduced costs of semiconductor chips.

Commenting on the announcement, **N Chandrasekaran, Chairman, Tata Sons** said, "We are in a unique time for the electronics manufacturing market globally and the world is seeking a more secure and resilient electronics supply chain. With our announcement of the semiconductor fab and this strategic project in semiconductor assembly and test, we will be enabling our global customers to base a key part of their semiconductor value chain in India. Alongside mitigating global supply chain risks, I am confident that this project will have a transformational impact towards technology led industrialization and job creation in Northeast in particular.



Under the decisive leadership of Hon'ble Prime Minister Shri Narendra Modi, the Government of India has developed a comprehensive central and state semiconductor policy. This along with support from Ministry of Electronics and Information Technology, India Semiconductor Mission and the Government of Assam has made this announcement possible.”

Dr. Randhir Thakur, CEO & MD, Tata Electronics Private Limited said “The strategy of serving across the semiconductor value chain is our differentiator and will enable Tata Electronics to deliver complete system offerings to customers. We have a critical window of opportunity where we see tremendous customer pull from global players for manufacturing in India and we plan to capitalize on this opportunity and leapfrog through technology innovation. This investment will go a long way in putting India on the map of global semiconductor manufacturing and in spurring a complete domestic ecosystem for high technology manufacturing while being an enabler for the indigenous product ecosystem.”

The proposed facility in Jagiroad is strategically located with access to abundant water and green power – a key sustainability consideration for the Tata Group and its customers globally. Assam is also closer to the current semiconductor packaging & test hubs in countries like Taiwan, Malaysia, Vietnam, and Singapore. Assam has technical and engineering workforce available from the entire North-East India, providing a stable talent pool for this project as well as the ecosystem development that this project will seed. This new initiative from Tata Electronics will bring to India a portfolio of cutting-edge semiconductor technologies, advanced skill set and talent, and a network of semiconductor manufacturing suppliers and ecosystem partners, resulting in foundational development of indigenous semiconductor ecosystem in India. This Assembly & Test facility will be able to directly ship semiconductor chips to end-users and OEMs (Original Equipment Manufacturers) in India and the world.

About the Tata group

Founded by Jamsetji Tata in 1868, the Tata Group is a global enterprise, headquartered in India, comprising 30 companies across ten verticals. The group operates in more than 100 countries across six continents, with a mission ‘To improve the quality of life of the communities we serve globally, through long-term stakeholder value creation based on Leadership with Trust’.

Tata Sons is the principal investment holding company and promoter of Tata companies. Sixty-six percent of the equity share capital of Tata Sons is held by philanthropic trusts, which support education, health, livelihood generation and art and culture.

In 2022-23, the revenue of Tata companies, taken together, was \$150 billion (INR 12 trillion). These companies collectively employ over 1 million people. Each Tata company or enterprise operates independently under the guidance and supervision of its own board of directors. There are 29 publicly listed Tata enterprises with a combined market capitalization of \$350 billion as of February 2024. For more details visit www.tata.com

About Tata Electronics



Tata Electronics is a global player in the electronics manufacturing business with fast emerging capabilities in Electronics Manufacturing Services, Semiconductor Assembly & Test, Semiconductor Foundry, and Design Services. Founded in 2020 as a greenfield venture of the Tata group, the company aims to better serve global customers through integrated offerings across a trusted electronics and semiconductor value chain. With a fast-expanding workforce, the company presently employs over 15,000 people and has facilities in Tamil Nadu and Karnataka in India. Tata Electronics also aims to work towards creating a conscientious socio-economic footprint by employing large number of women in its workforce and providing necessary assistance to local communities in health, hygiene, and education.

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