

Sanand as India's Semiconductor



Recently, the Prime Minister of India inaugurated a semiconductor assembly and test facility by Kaynes Semicon in Sanand, Gujarat.



The project is part of the India Semiconductor Mission (ISM)



It marks India's push toward becoming a global semiconductor manufacturing hub.



Sanand is being positioned as a critical link in the global semiconductor supply chain.



India Semiconductor Mission (ISM)



Launched in - December 2021



Implementation- Ministry of Electronics and Information Technology (MeitY). Launched in December 2021



Objective - to build a sustainable semiconductor and display ecosystem

India-Semiconductor Mission 2.0



It was unveiled in the Union Budget 2026-27,



It focuses on semiconductor equipment and materials to create a "full-stack Indian semiconductor ecosystem."

Additional Information - Government Schemes



Design Linked Incentive (DLI) Scheme: Financial and infrastructure support for chip design startups; target of 100+ domestic semiconductor design firms.



PLI Scheme for Electronics Manufacturing: Boosts demand-side ecosystem, linked with mobile manufacturing growth.



Chips-to-Startup Programme: Access to EDA tools and fabrication support; covers 300+ institutions.



National Critical Minerals Mission & Rare Earth Corridor: To reduce dependence on China (rare earths) and Taiwan (fabs).

Global Supply Chain & Strategic Positioning



India's membership in Pax Silica — a U.S.-led initiative — aims to secure supply chains for critical technologies including semiconductors and AI.

Pax Silica Initiative



Objective - It is a US-led strategic initiative to build a secure, prosperous, and innovation-driven silicon supply chain from critical minerals.



Members - Japan, Republic of Korea, Singapore, the Netherlands, The United Kingdom, Israel, United Arab Emirates, and Australia.

