Micron Technologies - Semiconductor Plant - Sanand, Gujarat

Picture for reference purpose only

Micron Semiconductor Plant at Sanand, Gujarat: A Landmark Project in India's Semiconductor Journey

Micron Technology, a global leader in memory and storage solutions, announced its decision to set up a semiconductor facility in India as part of its global supply chain diversification strategy. The Sanand facility is focused on **Assembly, Test, Marking and Packaging (ATMP)** operations for memory products such as DRAM and NAND, which are critical components in smartphones, data centers, automotive electronics, and industrial applications.

The project aligns closely with the **Government of India's India Semiconductor Mission (ISM).**

Key project highlights include:

- **Total investment:** Approximately ₹22,000+ crore
- **Facility type:** ATMP (Assembly, Test, Marking & Packaging) semiconductor plant
- **Development approach:** Phased construction, with Phase-1 targeted for early operational readiness
- **Product focus:** Memory and storage semiconductor components for domestic and export markets

Quick Facts

Project scope:

- **Approx. 85,000 sqm area for waterproofing**
- **Material Used**:
  - 1.1mm UltraPly TPO
  - Insulation Foam/PIR
  - Cover Board
  - Waterproofing Accessories
- **Prestigious project**: it is a benchmark project for India's emerging semiconductor ecosystem.
- To deliver an excellent waterproofing to preserve water for seeping into the area.
- **Owner: Micron Technology, Inc.**
- **PMC: JLL (Jones Lang LaSalle)**
- **Main Contractor / EPC: Tata Projects**
- **Design / Engineering Consultant: Meinhardt EPCM (India)**

DBS carried out the TPO waterproofing for the semiconductor facility spread across 85,000 sqm area approximately.

Tata Projects the main EPC contractor executing the construction of the semiconductor facility.

Benefits of TPO:

- **DURABILITY, FLEXIBILITY, AND VERSATILITY:** TPO is highly resistant to tears, impacts, and punctures with good flexibility to allow for building movement**.** can be installed on low and high slope surfaces

- **ECONOMICAL AND EASY TO INSTALL**: Membrane's flexibility allows for a rapid installation and requires little maintenance. Large panels reduce number of seams and cut labour costs drastically.
- **COOL ROOFING MATTERS:** A light-coloured roof that reflects the sun's energy can play a significant role in reducing the buildings cooling costs. It also offers benefits to the surrounding environment through a reduction of the urban heat island (UHi) effect.
- **WELDED SEASM FOR LONG-LASTING PERFORMANCE**: TPO membranes are heat-welded at at temperatures up to 620 °C with a hot-air gun.

- **ECO-FRIENDLY**: TPO membranes are fully recyclable.

For further information about waterproofing products & applications, please contact:

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