



5 Years of National Technical Textiles Mission

Source: PIB

The [National Technical Textiles Mission \(NTTM\)](#), launched in **2020** by the **Ministry of Textiles**, aims to position India as a **global leader in technical textiles** by **2025-26** has **completed 5 years**.

- **Technical Textiles:** [Technical textiles](#) are **functional fabrics** made from **natural and synthetic fibers**, used across industries like **defense, healthcare, infrastructure, automotive, medicine etc.**
 - **Examples:** Mosquito nets, seat belts, helmets, fireproof jackets, and sanitary napkins.



- **NTTM:** Launched for a period from **2020-21 to 2025-26**, the **mission** focuses on promoting **research, market growth, exports, and skill development** in key sectors like **agriculture, healthcare, and infrastructure in technical textiles.**
 - **Key Components:** Supporting R&D for new materials, promoting market adoption,

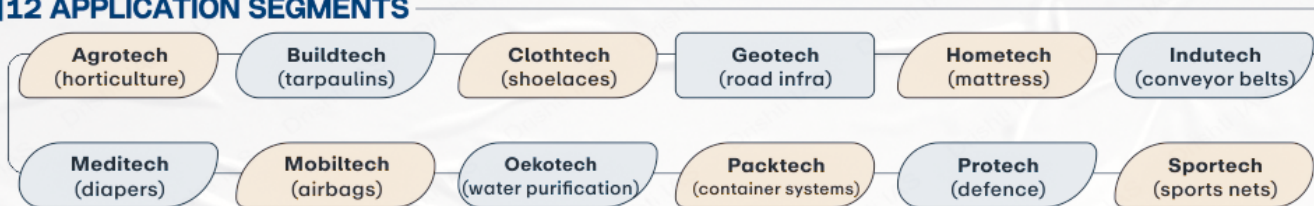
strengthening exports, and training 50,000 individuals through skill development programs.

- **Schemes Related to the Textile Sector:** [PM MITRA Park Scheme](#), [Amended Technology Upgradation Fund Scheme \(ATUFS\)](#), [Scheme for Integrated Textile Parks \(SITP\)](#), [SAMARTH Scheme](#), [Power-Tex India](#).
 - **PM Mega Integrated Textile Regions and Apparel (PM MITRA) Park Scheme:** Launched to create integrated textile parks under [PPP mode](#) via [SPVs](#), with facilities like processing units and design centres.
 - Inspired by the **5F vision (Farm to Fibre to Factory to Fashion to Foreign)**, it aims to boost competitiveness, cut logistics costs, and generate jobs in the textile sector.

TECHNICAL TEXTILE

Technical or engineered textiles are defined as products, materials, and fibres that are used for functional rather than aesthetic purposes.

12 APPLICATION SEGMENTS



SIZE OF TECHNICAL TEXTILES MARKET

- ⇒ Indian - USD 23 bn (2023)
- ⇒ Global - USD 202.93 bn (2023)

EMPLOYMENT STATUS

- ⇒ Contributes 2.3% to India's GDP
- ⇒ 13% of industrial production, 12% export earnings

LEADING COUNTRIES

- ⇒ China, US and Germany (60% of annual output)
- ⇒ India - 5th largest producer (however, <2% share in global export market)

NATIONAL POLICIES AND SCHEMES

- ⇒ National Technical Textiles Mission (NTTM)
- ⇒ Technology Mission for Technical Textiles (TMTT)
- ⇒ Technology Upgradation Fund Scheme (TUFS)
- ⇒ Scheme for Integrated Textile Parks (SITP)
- ⇒ PLI Scheme

FDI POLICY IN INDIA

- ⇒ 100% FDI approved under automatic route
- ⇒ Mauritius, Belgium - Top 2 FDI sources

OTHER INITIATIVES

- ⇒ Textile Research Associations (TRAs)
- ⇒ Centres of Excellence (COEs)
- ⇒ Focus Incubation Centres

CHALLENGES FOR INDIA'S TECHNICAL TEXTILES INDUSTRY

- ⇒ Inadequate production of High Performance Fibres
- ⇒ Lack of entrepreneurship-culture and absence of skill-training
- ⇒ Lack of globally-aligned quality standards
- ⇒ Inadequate R&D facilities



Read More: [National Technical Textiles Mission](#)