



KAMARAJ IAS ACADEMY
Only IAS Academy by Grandson of "Perunthalaivar Kamarajar"

5 years of National Technical Textiles Mission

Published On: 01-04-2025

Context

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** and 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

National Technical Textiles Mission

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

Other Schemes Related to the Textile Sector:

PM MITRA Park Scheme,

Amended Technology Upgradation Fund Scheme (ATUFS),

Scheme for Integrated Textile Parks (SITP),

SAMARTH Scheme

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

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Textile Industry Overview



Projected Growth

Industry To Reach
US\$350 Billion
By 2030.

Global Standing

6th Largest
Textile Exporter

Economic Contribution

2% of India's GDP
10% Of Industrial
Production

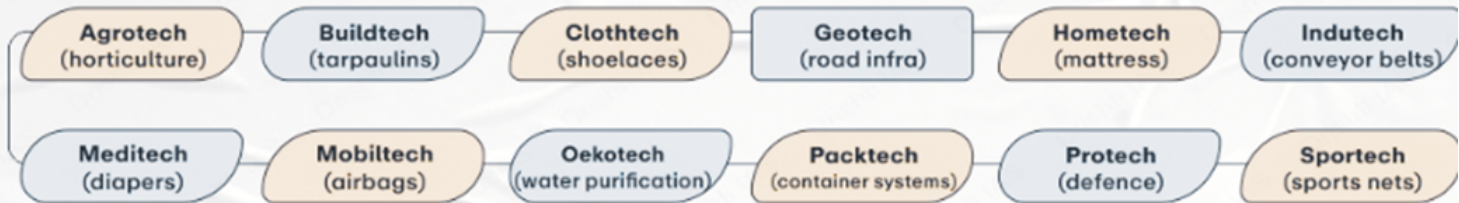
Textile Import Decreased



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)

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