

National Technical Textiles Mission

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In news- The Ministry of Textiles has cleared 20 strategic research projects worth INR 30 crores in the areas of Specialty fibers and Geotextiles, under its Flagship Programme National Technical Textiles Mission, recently.

About the National Technical Textiles Mission-

- In 2020, the Union Government had approved for creation of this **Mission for a period of 4 years (2020-21 to 2023-24) with an outlay of Rs.1480 crores.**
- The Mission **aims at improving the penetration level of technical textiles in the country.**
- It also aims for **developing the usage of technical textiles in various flagship missions**, programmes of the country including strategic sectors.
- It seeks to promote innovation amongst young engineering /technology/ science standards and graduates along with creation of innovation and incubation centers and promotion of 'start-up' and 'Ventures'.
- The research output will be deposited with a 'Trust' with the Government for the easy and accessible proliferation of the knowledge thus gained through research innovation and development activities.
- A sub-component of the research will focus on the development of biodegradable technical textiles materials, particularly for agro-textiles, geotextiles and medical textiles.
- It will also develop suitable equipment for environmentally sustainable disposal of used technical textiles, with emphasis on safe disposal of medical and hygiene wastes.
- Another sub-component in the research activity aims at

the development of indigenous machineries and process equipment for technical textiles, in order to promote 'Make In India' and enable competitiveness of the industry by way of reduced capital costs.

- A Mission Directorate in the Ministry of Textiles headed by an eminent expert in the related field is made operational.
- The Mission **will move into the sunset phase after a four year period.**

Mission components-

1. Research, Innovation and Development
2. Promotion and Market Development
3. Export Promotion
4. Education, Training, Skill Development

What are Technical Textiles?

- Technical or engineered textiles are defined as textile material and products manufactured primarily for their technical and performance and are **used for functional purposes.**
- They are used in various applications in agriculture, roads, railway tracks and sportswear, in bullet-proof jackets, high-altitude combat gear and space application.
- **Technical Textiles products are divided into 12 broad categories** Agrotech, Buildtech, Clothtech, Geotech, Hometech, Indutech, Mobiltech, Meditech, Protech, Sportstech, Oekotech, Packtech depending upon their application areas.
- India shares nearly 6% of the world market size of 250 Billion USD.