

GOVERNMENT OF INDIA
MINISTRY OF TEXTILES
RAJYA SABHA
UNSTARRED QUESTION NO-796
ANSWERED ON- 05/12/2025

PROMOTION OF TECHNICAL TEXTILES UNDER NATIONAL TEXTILES MISSION

796. SHRI SANJAY SETH:

Will the Minister of TEXTILES be pleased to state:

- (a) whether Government is promoting the adoption of technical textiles across strategic sectors such as healthcare, agriculture, defence, and infrastructure under the National Technical Textiles Mission, if so, the details thereof;
- (b) the policy measures introduced to support domestic manufacturing and R&D in high-performance textile applications;
- (c) in what manner these innovations are enhancing productivity, safety, and income generation, especially for small farmers and rural entrepreneurs; and
- (d) the steps being taken to increase awareness, skilling, and market access for Micro, Small, and Medium Enterprises (MSMEs) and startups in this emerging sector?

ANSWER

THE MINISTER OF STATE FOR TEXTILES
(SHRI PABITRA MARGHERITA)

(a): With a view to boost technical textiles sector in the country, National Technical Textiles Mission (NTTM) was launched in the year 2020 with a financial outlay of Rs. 1,480 crore. The Mission focuses on research & innovation in the field of specialty fibres like Carbon fibre, Aramid fibre, Nylon, Composites etc. as well as in different segments of Technical Textiles such as geo textiles, agro textiles, medical textiles etc. and indigenous development of machinery; promoting awareness amongst users; enhancing India's exports of technical textiles; and creating human resources with requisite skills. Under NTTM, a total of 168 R&D projects in various segments of Technical Textiles, 24 Start-ups and 45 Educational Institutions for implementing courses in the field of Technical Textiles have been approved.

(b): The Government has undertaken a series of targeted measures to strengthen domestic manufacturing and research & development in high-performance textile applications. The Production Linked Incentive (PLI) Scheme for Textiles provides support for man-made fibers and technical textiles, incentivizing domestic manufacturing of high-value products. Till date 19 applicants have started production under PLI for technical textiles. The National Technical Textiles Mission (NTTM) is a dedicated mission with an outlay of Rs.1,480 crore to promote R&D, innovation, and commercialization of technical textiles.

(c) & (d): Under NTTM, R&D projects in agro textiles, sustainable fibre-based products, and other segments, as well as multiple start-ups, have been supported to improve productivity, safety, and income generation, including in rural areas. Advanced solutions such as improved agronets, mulches, protective gear, and natural fibre-based products have been developed to support farmers to enhance yields, reduce losses, and adopt eco-friendly practices. The Grant for Research and Entrepreneurship across Aspiring Innovators in Technical Textiles (GREAT) Scheme is strengthening the start-up ecosystem by promoting value addition, and local manufacturing in emerging technical textile areas, thereby creating new livelihood and economic opportunities. Alongside innovation, NTTM prioritizes skilling and market access through structured training programmes across all 12 segments of technical textiles, catering to workers, students, professionals, Startups and MSMEs. The Mission also boosts industry engagement through conferences, workshops, Chintan Shivirs, webinars, and outreach activities, helping build a skilled workforce and expanding nationwide adoption of technical textiles.
