

GRANTS TO STARTUPS IN TECHNICAL TEXTILES

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Under the the Ministry of Textile's National Technical Textiles Mission (NTTM), the scheme of "Grant for Research and Entrepreneurship across Aspiring Innovators in Technical Textiles (GREAT)" aims to support the start-up ecosystem in the technical textiles sector by providing assistance to young innovators, scientists, technologists, and start-up ventures in translating their ideas into commercial technologies and products. The total budget allocated to the NTTM for the current financial year (2026-27) is Rs. 256 crore, which includes the provision for releasing grants to start-ups under the GREAT scheme.

An Evaluation and Monitoring Committee (EMC) has been constituted under NTTM to evaluate, monitor, and review the technical and financial parameters of the start-up proposals. Based on the criteria laid out in the GREAT guidelines, the EMC submits its recommendations to the Empowered Programme Committee (EPC) under NTTM for approval of start-up proposals. GREAT guidelines are available at <https://nttm.texmin.gov.in/>.

The grants provided to start-ups under NTTM are aimed at promoting innovation, commercialization of indigenous technologies, and the development of value-added technical textile products. The anticipated economic impact of these grants is fundamentally driven by robust collaborations between the supported start-ups and established industry partners. By fostering strong synergies between innovators and industry stakeholders for prototype development, field trials, and market launches, the scheme ensures market-ready commercialization. This active industry engagement is anticipated to successfully scale these start-ups, significantly strengthen the overall technical textiles ecosystem in the country, and thereby catalyze broader sustainable industry growth and employment generation.

Under NTTM, a total of 31 start-ups have been approved at a total cost of Rs 15.40 crore, of which Rs 13.65 crore is the Government of India share, details of which are given below.

A Review and Monitoring Committee has been constituted to assess and oversee the progress of the approved start-ups, with the authority to recommend for release of subsequent instalments of grant and closure of projects to the Empowered Programme Committee under NTTM. Further, various public events, workshops, seminars and outreach activities are being organized nationwide to disseminate information about the scheme and facilitate industry engagement for scaling up the potential start-up projects.

Details of Start-up projects under GREAT scheme of NTTM

S. No.	Title of start-up project	Approved cost of Project
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1	Warming and Cooling High Performance Textiles	55,00,000
2	Surgical simulation models based on textile materials for training of doctors	50,00,000
3	Development and commercialization of Industrial hemp pultrusion cord & composites	66,16,500
4	Smart Fabrics of Tomorrow: Nanofibers-Infused Textiles for Energy Generation and Sensing	50,00,000
5	High-performance tyre-yarns : green product by green process	50,00,000
6	Radome Integrated IFF Antenna	50,00,000
7	Development of Braided composites for use in Defense and Automobile application	49,86,875
8	Sustainable Processing of Technical Textiles with Emerging Technologies	50,00,000
9	Manufacturing of Nanomaterial based Smart Textiles	50,00,000
10	Development of Node Locked Three Dimensional (3D) material based advanced composite	50,00,000
11	Algae-Based coated textile as an alternative to leather/synthetic materials.	56,00,000
12	Production &Scaleup of UniClenz- A zero waste, next generation, SMART, Self-Sanitizing Personal Protective Medical Apparel	46,80,000
13	Natural Anti Microbial Coated Textiles for Hospitals Wears	49,76,000
14	Bioengineered Textiles & Materials Manufacturing	50,00,000
15	Novel E-Textiles Woven with Shape Memory Materials to Design Intelligent Wearables for Healthcare and Wellness Applications	50,00,000
16	Development of shrink-resistant, detergent washable, camouflage dyed, far infra-red wool clothing for protection in extreme cold conditions through plasma technology with enhanced mechanical, comfort and thermal properties	50,00,000

17	Novel composite material based space deployable communication antenna	56,50,000
18	Design and Development of pilot scale innovative zero solid discharge (ZSD) system for resource recovery from final residue in textile and industrial ZLD plants (Circularity and Sustainability)	47,82,250
19	Smart Textile Wearable: Enhancing Mental Wellbeing Through Innovative Stress Management	50,00,000
20	Flushable Sanitary Pads as a Sustainable and Innovative Solution for Menstrual Hygiene	56,00,000
21	Development of anti-bacterial, anti-oxidant and UV-protective pineapple fabric as a sustainable and multi-functional protective clothing with enhanced mechanical and comfort properties.	50,00,000
22	Revolutionizing High-Performance Sustainable fibers with the Spider Silk Technology	50,00,000
23	Development of advanced medical textile products based on biomaterials	32,50,000
24	High-performance Sports gears for high-altitude Adventure sport & defense applications	50,00,000
25	Smart Textiles for Winter Thermal Comfort	50,00,000
26	Development of Cosmeto textiles/ Wellness textiles utilizing Indian unconventional natural fibres and eco-friendly finishes	50,00,000
27	Smart Vest with Continuous Heart Rhythm Monitoring for Arrhythmia Detection	50,00,000
28	Development of Lightweight, Thermal, and Radiation Shielding Composite Tiles Using Technical Textiles for Space Applications	23,98,000
29	Textile waste composite panels for Building applications	50,00,000
30	Indigenous production of fine-count hemp yarn and it's blends for the development of inherently antimicrobial Wound Dressing Material and Coveralls.	50,00,000
31	Neosense: Comfyhug Vital Monitoring	50,00,000

This information was provided by THE MINISTER OF STATE FOR TEXTILES SHRI PABITRA MARGHERITA in a written reply to a question in Lok Sabha today.

MAM/VN

(Lok Sabha US Q2605)

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