



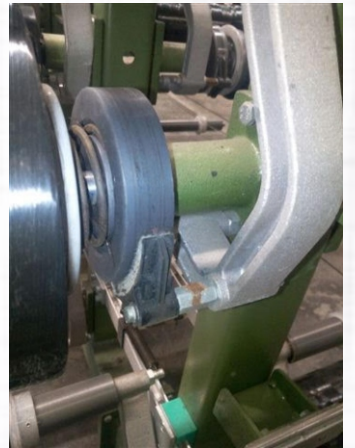
**ITTA DELEGATION MET
UNION MINISTER OF TEXTILES,
SHRI. GIRIRAJ SINGH
ON 22ND AUGUST 2024**



**14TH ANNUAL GENERAL MEETING
OF ITTA FY 2023-2024 HELD
ON 13TH SEPTEMBER 2024**



**POLYBEAMER
&
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for P.P. & HDPE
FLAT TAPE



GEO FABRIC APPLICATION



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Textile Recycling - Sustainability in Nonwoven Production

The term „sustainability” is used today to describe necessary savings of resources of all sorts and including technological solutions for the reduction of energy and fibre material consumption. For economic reasons, these goals have been pursued in the past already. In recent years, however, the discussion of the importance of sustainability is usually very much influenced by the ecological importance in order to stop climate change.

In the tradition of further development and innovation in the field of textile machinery for nonwoven production it becomes obvious that in the past the use of textile waste from garment clippings and the use of natural fibre were the primary fields in needling and in the production of insulation material, carpet underlay as well as upholstery for furniture and in bedding. Those applications are still important when we want to reduce virgin fibre consumption and also apply natural fibres in order to allow an environmentally friendly end- of-life for such materials.

In the past, machine development and engineering at Dilo was directly related to the use of reclaimed fibre and natural fibre for needled products and has defined technical development in the years until the mid-60s when man-made organic fibre offered many more applications for needle felts including floor coverings and technical felts.

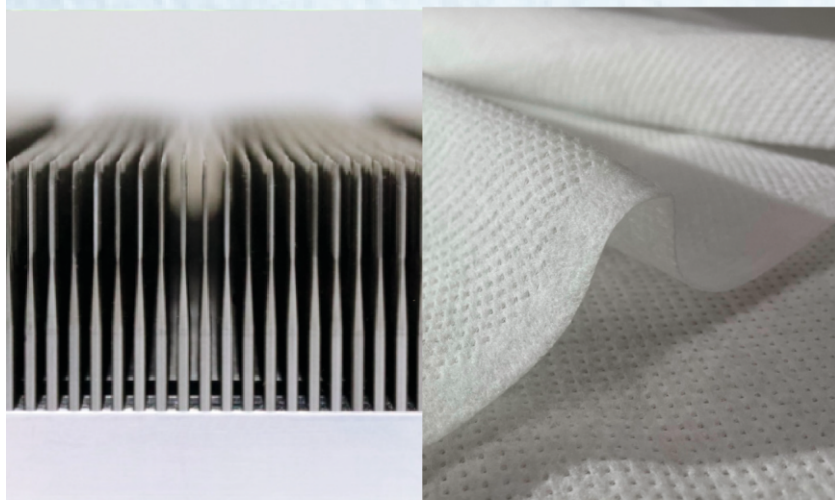
DiloGroup has started a partnership with specialists Dell'Orco & Villani for modern tearing technology as well as with TechnoPlants as the specialist for aerodynamic web forming of waste fibre. Therefore, Dilo as general contractor provides a complete platform with solutions in the field of recycling fibre material from post-consumer and post production sources. Many different complete line solutions for clean hard waste recycling of garment clippings or nonwoven waste include all different quality and capacity features. An important role is the “controlled” tearing technology which reduces the shortening of staple lengths during tearing. Of course, a natural relation between quality and production plays a role. A tearing technology to retain staple lengths as much as possible does not allow the same throughput rates compared to a standard tearing installation.

Demonstration and Test Centres

Dell'Orco & Villani and Technoplants offer demonstrations as well as product development with their complete installations for trials with different fibre and for different products in Florence, Ancona and Pistoia. Dilo has its demonstration facility for the card/crosslapper webforming and needling in Eberbach, Germany.

Our engineering is thus supported by four demonstration, testing and development centres for the various process stages in order to provide all necessary information before investment decisions.

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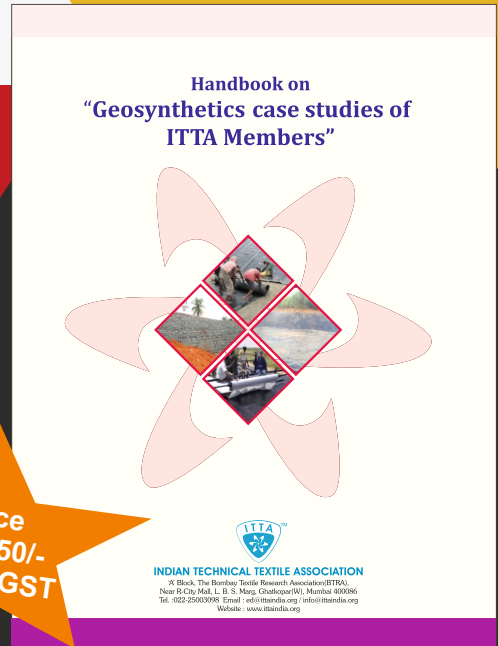
ITTA HANDBOOK ON

“GEOSYNTHETICS CASE STUDIES OF ITTA MEMBERS”



Handbook covers the details of the successful case studies of all types/ fibre base of geosynthetics in the country. It has been classified under five categories i.e. -

- Soil Stabilization - Pavement & Embankment
- RSW with Block, Panel, Gabion & Wire Cage Facing
- River Bank - Shore Protection & Erosion Control
- Canal Lining & Hydraulic Control
- Landfill



Price
Rs. 750/-
+ 18% GST

*Courier charges extra

ITTA DEFENCE HANDBOOK INDIAN TECHNICAL TEXTILE PRODUCTS FOR DEFENCE

- A GLOBAL REACH -

Handbook covered major areas of Defence products with Indian Manufacturers' Names, Contact Details and Product Specifications i.e.

- *Protective Clothing & Accessories*
- *Collective Protection*
- *Load Carrying fabric*
- *Geosynthetics*



Price
Rs. 750/-
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*Courier charges extra

For Copies Contact-

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ITTA Delegation met Union Minister of Textiles, Shri. Giriraj Singh

A delegation from the Indian Technical Textile Industry, organised by the ITTA, met the Honourable Union Minister of Textiles Shri. Giriraj Singh on 22nd August 2024 and shared the current scenario and future needs of the industry. The delegation was led by Shri. Avinash Misar, Chairman, ITTA along with eminent Industry leaders, namely Shri. Mohan Kavrie of Supreme Nonwovens, Shri. Narendra Dalmia of Strata Geosystems, Shri. Mahesh Kudav, of Venus Safety & Health and Vice-chairman, ITTA, Shri. Amit Agarwal of CTM Technical Textiles & Ex-Chairman and other Directors of ITTA, representing key segments of the Technical Textiles.

Following key points for the discussion -

- a) Availability of Basic Raw materials, mainly specialty fibers/yarns and chemicals/Polymers which are not produced in India but they are essential for manufacturing high-end technical textile products. QCOs have been imposed on the Polyester Staple fibre & IDY yarns including all variants. But many of the specialised variants are not produced in India and industry is dependent on import. We suggested not to include these specialised variants in the same QCO notification. On this aspect, HMOT was very positive to help us by taking it to the Ministry of Chemicals & Petrochemical (MCP). He also advised us to represent directly to the MCP.
- b) There are many other high-tech fibres/yarns, namely like Nylon 6.6, Meta and Para Aramids, UHMPE, Mod-Acrylic, Flame Retardant, certain grades Glass & Carbon and other metallic fibres on which there are no BIS specifications available and so no QCO on them. On these fibres also industry needs no curb on imports. We recommend duty free import of these items till we build up our own capacity. The Minister stated that they will look into the matter and provide a solution moving forward.
- c) Mandatory Procurement by Government departments/ PSUs & States to Increase domestic consumption.
- d) Higher growth of technical textiles can be ensured by active Brand promotion of Indian Technical textiles in all major International and domestic events.
- e) Increasing Per-capita consumption through mandatory use of the technical textile products in specific applications for higher market growth. A monitoring system at inter-ministerial level will help to implement this. The Minister said that he will look into these matters and will find solutions to these crucial issues currently affecting our industry.



Few Moments of the Meeting



14th Annual General Meeting of Indian Technical Textile Association- FY 2023-2024

The Indian Technical Textile Association (ITTA) successfully concluded its 14th Annual General Meeting (AGM) on 13th September 2024 at the Orchid Hotel, Mumbai. The meeting was chaired by Shri Avinash Misar, with a large presence of ITTA members, special invitees, and press media representatives. Dr. Anup Rakshit, Executive Director of ITTA, warmly welcomed the distinguished guests, members, and press representatives to the event. Shri. Mahesh Kudav, Vice Chairman conducted the Business Session. The AGM was honoured by the presence of Shri. Rajeev Saxena, Joint Secretary (Textiles), Ministry of Textiles, Government of India, as the Chief Guest and Shri. Virendra Singh (I.A.S.), Secretary (Textiles), Government of Maharashtra as a Guest of Honour.



'Lamp Lighting Ceremony

Shri. Rajeev Saxena addressed the ITTA members, emphasizing the critical role that ITTA has played over the years as a dedicated association in uplifting the technical textile sector and its pivotal role in liaising between the industry and the government, driving innovation, sustainability, and growth within India's textile industry. He acknowledged ITTA's significant contributions to these areas, particularly its involvement in major committees such as the Mission Steering Group and the Empowered Programme Committee, start-up scrutiny committees under NTTM to effectively implement the schemes.

Shri. Rajeev Saxena, JS, MoT addressing the delegates "Two-thirds of the investments under the Production Linked Incentive (PLI) scheme are directed towards technical textiles." Of the total Rs. 60 crores allocated, Rs. 40 crores are dedicated specifically to this sector, reflecting the government's commitment to fostering



*Shri. Rajeev Saxena, JS, MoT
addressing the delegates*

innovation and growth, Shri. Saxena said. He Stressed the importance of innovation for the industry's future and encouraged companies to participate in market-focused R&D initiatives. The government will cover 90% of these costs, while companies will retain Intellectual Property Rights (IPR) for 3 to 4 years. He also announced that the government will soon introduce Quality Control Orders (QCOs) for an additional 11 key technical textile products. These measures are intended to prevent the dumping of inexpensive foreign products into India, offering domestic companies' opportunities to strengthen their supply chains and enhance competitiveness.

Addressing the need for conventional textile manufacturers to diversify into technical textiles, Shri. Saxena urged ITTA to guide companies in utilizing their spare capacities to boost productivity and profitability. He also suggested organizing training and skill development programs, as well as seminars and workshops in Tier-2 cities, where excess manufacturing capacity exists, to facilitate the dissemination of technical knowledge and further benefit the industry.



Shri. Virendra Singh, Secretary (Textiles), Govt. of Maharashtra

Shri. Virendra Singh briefly presented the Maharashtra's State Textile Policy, with a major focus on Technical Textiles. He highlighted the key features of the policy, including the development of Six Technical Textile Parks - one in each revenue division of the state. The policy provides substantial support for establishing these parks, including: Infrastructure Support, Capital Subsidy, Support for Solar Plants, Support for Zero Liquid Discharge, Support for Effluent Treatment Plants. In this context, an Expression of Interest (EoI) will be released soon and the Maharashtra Technical Textile Mission also will be launched within the next two months. Shri. Singh said that collaboration with an industry body like ITTA will go a long way to implement the state policies, for which a Memorandum of Understanding (MOU) between the Textiles Department of the Government of Maharashtra and ITTA will be signed soon.

Shri Avinash Misar, Chairman, ITTA, in his address, extended heartfelt gratitude to the Ministry of Textiles for its unwavering support in fostering the growth of the technical textile sector. Shri. Misar highlighted the need for the Govt. to address several key issues, including the availability of basic raw materials such as specialty fibers, yarns, chemicals, and polymers that are essential for manufacturing high-end technical textile products but are not produced in India. He urged that Quality Control Orders (QCOs) is a welcome move, but it should not be imposed on upstream sector, like specialty raw materials which are not produced in India, as this could adversely affect the growth of upstream and downstream sectors.



BUSINESS SESSION -



Shri. Mahesh Kudav, Vice Chairman, ITTA conducted the Business Session and the following decisions were taken-

1. ITTA Members unanimously passed the Directors' Report & Audited Balance Sheet for the FY 2023-24.
2. Announcement of new Board of Directors for FY 2024-25 -

The list of Twelve Directors in newly constituted ITTA board is given below -

The list of Twelve Directors in newly constituted ITTA board

SR NO	NAME OF DIRECTOR	COMPANY NAME	DESIGNATION
1	SHRI. AVINASH MISAR	TEXPORT SYNDICATE INDIA LTD.	CHAIRMAN
2	SHRI. MAHESH KUDAV	VENUS SAFETY & HEALTH PVT. LTD.	VICE-CHAIRMAN
3	SHRI. ANJANI PRASAD	ARCHROMA INDIA PVT. LTD.	DIRECTOR
4	SHRI. SHRAMIK MASTURLAL	MASTURLAL PRIVATE LTD.	DIRECTOR
5	SHRI. ANKUR KOTHARI	KUSUMGAR CORPORATES PVT. LTD.	DIRECTOR
6	SHRI. UDAY K S	SRF LTD.	DIRECTOR
7	SHRI RAKESH MEHRA	TESCA TEXTILES & SEAT COMPENENTS INDIA PVT. LTD.	DIRECTOR
8	SHRI. KAPIL BAHETI	SHUBH SWASAN INDIA PVT. LTD.	DIRECTOR
9	SHRI. VIVEK KULKARNI	GARWARE TECHNICAL FIBRES LTD .	DIRECTOR
10	SHRI. NARENDRA DALMIA	STRATA GEOSYSTEMS (INDIA) (P) LTD.	DIRECTOR
11	SHRI. NIRAV MEHTA	DIMA PRODUCTS	DIRECTOR
12	SHRI. SIDDHARTH GUPTA	BARNET INDIA MARKETING & DISTRIBUTION LLP	DIRECTOR

3. Following two Ex-Officio Member to the ITTA board for one year -

1	SHRI. AMIT AGARWAL	CTM TECHNICAL TEXTILES LTD.	EX-OFFICIO MEMBER
2	DR. SUNDARARAMAN K. S.	SHIVA TEXYARN LTD.	EX-OFFICIO MEMBER

4. The list of five Special Invitees to the ITTA board for one year is given below

1	SHRI. AMIT JAIN	SHINGORA TEXTILES LTD.	SPECIAL INVITEE
2	DR. NANDAN KUMAR	HIGH PERFORMANCE TEXTILES PVT. LTD.	SPECIAL INVITEE
3	SHRI. PANKAJ KAPOOR	PARK NONWOVEN PVT. LTD.	SPECIAL INVITEE
4	SHRI. VIKRAM JAIN	SBT TEXTILES PVT. LTD.	SPECIAL INVITEE
5	DR. DHAVAL PATEL	NIKOL ADVANCE MATERIALS PVT. LTD .	SPECIAL INVITEE



Dr. Anup Rakshit, Executive Director of ITTA informed ITTA's new initiatives during the year. ITTA has launched two new categories of its membership- Associate & Student Membership during the AGM. In response to numerous requests from individual entrepreneurs and startups entering or wanting to enter the technical textile industry this is introduced, in addition to the existing Corporate Membership.

Another focused initiative is taken by ITTA is to collaborate with Academic Institutions on organizing 'Education and Training Programs on Technical Textiles' specifically designed for faculty members and students. This will also support the NTTM's goal of achieving the target of trained personnel for the academic institutions & industry. With ITTA's existing Entrepreneurial Development Programs (EDPs) ITTA has trained over 200 candidates so far.

ITTA AWARD CEREMONY DURING AGM

LIFETIME ACHIEVEMENT AWARD



A notable moment during the 14th ITTA AGM was the presentation of the “Lifetime Achievement Award” to Shri. Pramod Khosla, Chairman of Khosla Profil Pvt. Ltd., for his outstanding contributions to the technical textile industry and his lasting impact on the field. Shri. Khosla was inducted into the 'ITTA Hall of Fame', in addition to Shri. Yogesh Kusumgar of Kusumgar Corporates and Shri. Mohan Kavrie of Supreme Nonwovens.

Shri. Pramod Khosla was honoured with The Lifetime Achievement Award



INNOVATION AWARD

The Innovation Awards on outstanding contributions and advancements in the Technical Textile industry were introduced by ITTA from this year. A screening committee was formed by ITTA who evaluated the merits of the entries and selected the following top five companies for giving the awards -

1. Garware Technical Fibres Ltd. - Shri Neeraj Shrivastava & Shri Apurv Gadekar on the Advancing Sustainability: Development of Ropes from Recycled Materials - Renew Ropes. They discussed the advantages of synthetic materials, which include properties like lightweight, durability, corrosion resistance, low cost of production, chemical resistance, insulation properties, recyclability, etc. These materials are widely used in various applications such as aquaculture, shipping, sports, fisheries, geosynthetics, etc. However, they also highlighted the challenges associated with synthetic materials, particularly their long decomposition periods, as plastic waste can persist for hundreds to thousands of years. Additionally, they pointed out that products made from recycled plastics often have inferior mechanical properties, which limits their use to non-critical applications like containers, bags, trays, and molded items. They took on the challenge of reusing recycled materials in the manufacturing of ropes. Through a detailed research project, which involved extensive trials with specially developed additives and processing techniques, they were able to produce Renew Ropes using 100% recycled material. These ropes exhibit properties comparable to those of virgin ropes, including sustainability, strength, and resistance to fatigue and abrasion. This means that the waste materials are being utilized for the same end applications, reducing the need for new raw materials. Impact on the industry & market is significant: Eco-Friendly Excellence: Renew Ropes are crafted entirely from recycled materials, embodying the principles of

responsible manufacturing. By using recycled materials, these ropes reduce their environmental carbon footprint by up to 50%, Market Demand: Aquaculture producers, especially large-scale salmon farmers, are looking for sustainable solutions to reduce their environmental impact. Renew Ropes provide a viable alternative by meeting this growing demand while promoting environmental sustainability. Renew Ropes find applications in aquaculture farms and mooring in the shipping industry, showcasing their versatility and potential to contribute to a more sustainable future.



2.SRF Ltd. - Ms. Angeline Divya, Associate Vice President on the Development and Commercialization of Food-Grade Tank Liners Made from Coated Fabric for Water Storage in Rural Areas. She presented the product, a coated fabric developed with a special food-grade formulation and a high tear strength design, specifically for water storage in rural areas under the Government of India's Jal Jeevan Mission. These fabrics are compliant with both IS and USFDA standards. Key Features and Benefits: a) Innovative Solution: Special fabric-based tank liners offer a practical, cost-effective, and quick solution for water storage in rural communities, b) Leak Prevention: Unlike traditional concrete water tanks, which are cumbersome to construct and maintain, the fabric is 100% waterproof and forms a protective layer inside the tank structure, preventing water leaks & c) Ease of Use: The fabric liners are lightweight, have high tear strength, and are easy to handle. They are also easily repairable on-site, making them an economical and user-friendly choice for such applications. She also mentioned the Impact on Society: Fabric-based tank liners provide a swift and effective solution for water storage in rural communities. They support the vision of providing clean water to every household in India under the “Har Ghar Jal” scheme of the Jal Jeevan Mission, thereby enhancing the quality of life for rural populations.



3.Fibriltex Pvt. Ltd. - Shri Ishaan Sharma, Director of Business Development on the Flushable Biodegradable Sanitary Pads. He emphasized recent advancements in the feminine hygiene industry, particularly the development of flushable sanitary pads. As consumer demand for sustainable and eco-friendly products grows, the industry is seeing significant innovation in product design and material usage. Flushable sanitary pads, developed by Fibril Tex, incorporate biodegradable materials that safely degrade in wastewater systems, reducing the environmental impact compared to traditional pads. These pads feature a Dynamic Absorbent Core (DAC), which offers a slimmer, lighter, and better-performing alternative to the traditional fluff pulp and superabsorbent polymer (SAP) combinations. The benefits of DAC include improved absorption, reduced production costs, and enhanced comfort without compromising performance. He outlined the environmental advantages of flushable sanitary pads, including: biodegradable materials designed to break down easily in water and wastewater systems, safe to flush and degrade in sewage systems, reducing plastic pollution & providing the same level of absorbency and comfort as traditional pads. He also emphasized the importance of regulatory compliance and safety standards to ensure these products are both effective and environmentally safe. The future of the industry looks promising, with advancements in sustainable materials and consumer-focused product design poised to make eco-friendly hygiene solutions more accessible and affordable.



4. Indo German Yarn & Fibres LLP - Shri Rajiv Sajdeh, Partner on the PROMYDE KARANW-2 WR 480 GSM Fabric - Personal Protection Sustainable. He focused on a specific innovation - the development of a fabric capable of withstanding contact heat up to 500°C, intended for use in gloves and personal protective workwear. This innovation was driven by the demand for materials that can endure high temperatures without compromising on other essential qualities such as abrasion and cut resistance. Additionally, the product had to be lightweight and cost-effective to compete in global markets. Addressing these challenges, the company developed a unique yarn made from regenerated technical fibers, including Para Aramid, PreOx Novoloid, and Nylon 66. This yarn was used to create a blended fabric, which successfully met the demanding heat resistance requirements (500°C as per EN407:2020 standards) and achieved cut resistance Level 2 under EN388:2016 standards. This finished product's outer layer - PROMYDE KAR 480 gsm fabric - a unique blended fabric made from sustainable technical fibres, heat barrier - PROMYDE Non-Woven Layer. The end product was not only functional but also sustainable, as it was crafted from regenerated fibers with a zero-carbon footprint. The entire development process, from concept to final production, took about eight months, involving extensive testing and retesting to ensure the product met international safety and performance standards. The result was a high-performance, eco-friendly product that significantly reduced costs by eliminating the need for expensive imported materials. The company succeeded in producing gloves made from this innovative fabric at an estimated cost of Rs. 490 per pair, making them a cost-effective solution for industries requiring high-temperature resistance.



5. High Performance Textiles Pvt. Ltd. - Dr. Nandan Kumar, Managing Director on the Innovative Inherent Flame-Retardant (IFR) Fabric for Arc-Flash Protection. The IFR fabric, branded as 'Savesplash', is designed for oil and gas workers in the upstream sector. It offers protection against flash fires, arc-flash fires, impact, and abrasion while maintaining comfort and dexterity. Made from a blend of flame-retardant FR-viscose, p-aramid, and high-shrink fibers, the fabric provides a high bulk per unit area (up to 425 gsm). After dyeing and finishing, the fabric shrinks to reduce holes, enhancing resistance to infrared and arc-flash hazards. Coated with neoprene for oil repellence, it withstands 5000 rubs and provides excellent burst resistance. A lighter version (200-220 gsm) is in development for firefighter balaclavas and undershirts. Gloves made from the same fabric achieve high arc ratings (ATPV 63 cal/cm²). Key Benefits: Tested to ASTM standards, achieving ATPV of 41 cal/cm², Arc rating equivalent to HRC level 4 (NFPA 70E), Excellent abrasion resistance and durability and Export potential, especially for defense and riot control uniforms. Impact on Industry/Market/Environment/Society: This fabric is entirely spun, knitted, and coated in India, which is fostering collaboration among companies to develop commercially viable, highly technical textile products. The fabric has significant export potential, particularly because it achieves high ATPV levels in a single layer. Additionally, we are witnessing substantial demand from the defense and paramilitary sectors, especially for riot control police uniforms, once the lighter weight is validated in lower gsm versions.

MOU SIGNED BETWEEN ITTA & TVC MEDIA -

ITTA has signed a Memorandum of Understanding (MoU) with TVC Media & Promotion Pvt. Ltd. to jointly launch a new magazine, namely - Technical Textiles Value Chain Magazine for focused exchange of communication on Technical Textiles.



Shri Anil Kumar Vasupillai, Additional Executive Director, ITTA, extended a vote of thanks to chief guest, guest of honour, all the attendees and invitees, reaffirming ITTA's commitment to being the voice of the Indian Technical Textile industry and collaborating with the government on policy initiatives.

GLIMPSES OF ITTA AGM



GLIMPSES OF ITTA AGM



1. ENGAGEMENTS WITH CENTRAL & STATE GOVERNMENTS

1.1. Meeting of Mission Steering Group (MSG) under NTTM

The 9th meeting of Mission Steering Group (MSG) of National Technical Textiles Mission (NTTM) under the Chairmanship of Shri. Giriraj Singh, Hon'ble Minister of Textiles was held on 30.07.2024 at Udyog Bhawan, New Delhi. Shri. Anilkumar Vasupillai, AED, ITTA attended the meeting.

Following Key points were discussed and decided in the meeting --

1. Revised Intellectual Property Rights (IPR) Guidelines for research, machinery projects and startup proposals funded under NTTM was approved by the committee.

2. MSG approved 18 Research Projects along with a total fund allocation of Rs. 18.56 Crs. Key research projects are given below - Development of Woven/ Nonwoven nano-micro fibrous Hierarchical Textile for Medical Applications, Technical Textiles as Sustainable Building Materials for various Structural and Geotechnical Applications in Construction, Development of Performance Prediction Models for Geosynthetic Reinforced Pavements, Sustainable Process for Production of Biodegradable Polymers from PET Bottle Scrap, Saline resistant Textile Reinforced Concrete for Coastal Constructions, Development of Leather like Bio-composites for use in Automobiles (Mobiltech), Geogrids for reinforcement of concrete slabs, Developing Internet of Things (IoT) enabled Textile-

Based Wearable Electronics for Healthcare, Sports and Military Applications, Waste fibre of Textile fabric Reinforced Greener Engineered Cementitious Composites - A Replacement of Conventional Concrete for Sustainable Infrastructure, Fabrication and evaluation of the gamma protective clothing, Functionalized Carbon Fiber Composites from Tannery Waste: A Sense and Shoot Platform for Chemical Warfare Agents, Design and Development of Flexible Smart Textiles Integrated with Antenna for Wearable Applications, Development of Tunable Agrotextile with Smart Functionalities for Enhanced Crops Production, Development of foam-in-place packaging using agricultural residue, Azaacene Cored Anticounterfeiting Agents for Textiles, Design of next generation flexoelectric based piezoelectric fabrics, Indigenized production methods for both conventional (petroleum based) and sustainable (bio-based) PAN to create carbon fibers and their composites and Functional Textiles for Flame Retardant Application: Use of non-halogenated organophosphorus and nitrogen composite.

3. MSG approved 01 Machinery proposals with a fund allocation of Rs. 2.70 Crs. i.e., Design and Development of a Sweating Thermal Mannequin Instrument for Performance Evaluation of Technical Textiles. So, far NTTM has approved Total 157 Research Projects with a fund allocation of Rs. 495.63 Crs.

1.2. Meeting of Evaluation and Monitoring Committee (EMC) under GREAT

The 5th meeting of Evaluation and Monitoring Committee (EMC) under Grant for Research and Entrepreneurship across Aspiring Innovators in Technical Textiles (GREAT) of National Technical Textiles Mission (NTTM) under the Chairmanship of Dr. Renu Swarup, Former Secretary, Department of Biotechnology (DBT), Ministry of Science and Technology was held on 06.08.2024 through video conferencing. Dr. Anup Rakshit, ED, ITTA attended the meeting.

Key discussion points are given below --

1. 6 startup proposals were discussed in detail, it was decided that 02 were recommended for

upcoming EPC meeting: Algae-Based coated textile as an alternative to leather/synthetic materials & Manufacturing of nanomaterial based smart textiles, 02 were recommended for revision: Fiber Extraction from Agriculture Waste for Composites and Absorbent Applications & Design and Development of Advanced Shuttle-Less Weaving Machines for the Indian Power Loom or Shuttle Loom Sector and 02 were not recommended: Establishing Zakojven's In-House Manufacturing Unit & Enhancing Industry Standards: Innovative Packaging Solutions by Nico Flex.

2. EVENTS SUPPORTED & CONTRIBUTED BY ITTA

2.1. International Conference on INDIAN Polyester - 2024 in Mumbai

Elite Conferences organized the 10th International Conference, INDIAN Polyester - 2024 with Theme - "Fostering Sustainability, Innovation and Growth in Indian Polyester" on 19th July 2024 at Hotel The Lalit, Mumbai. This is an exclusive forum that brought together industry leaders, innovators, and professionals to discuss the latest advancements and trends in polyester and textiles. Dr. Anup Rakshit, Executive Director, ITTA was invited as a speaker in the conference.

The conference focused on the crucial role of recycling, sustainability, exploring their applications, innovations, tremendous opportunity in the polyester sector and future possibilities as a major driver of growth for the industry. Conference received participation from manufacturers, traders, downstream users, consultants, technology providers, logistics support, analysts etc.

Topics addressed in the conference: Current Trends in World MMF Industry & Future Outlook, Innovation in polyester technology, Opportunities & challenges in global filament markets by 2030, MTR: Leading PET resin technology, designed for the future, Synthetic Fabric: Key pillar for MMF industry growth in India, What brands needs for growing polyester based market, Opportunities for polyester

in technical textiles and functional fabrics, Light at the end of the tunnel for India's polyester chain, Thermo mechanical PET recycling technology/ solutions from Oerlikon, Polyester films - Market dynamics, Plastics to plastics molecular recycling of copolyesters, Sustainability in polyesters: The fight for limited recycled PET between fibres and packaging and the implications for an oversupplied virgin polyester world, How is recycling technology developing? - Problems & Prospects and Green PET/ Bio PET - Demand from FMCG.

Dr. Anup Rakshit spoke on the Topic - "Opportunities for Polyester in Technical Textiles and Functional Fabrics". He highlighted the different variants of polyester staple fibres & filaments and process details used in various application areas of 8 major segments of technical textiles, out of 13 i.e., Geotech, Hometech, Clothtech, Mobiltech, Sportech, Indutech, Buildtech & Meditech. He explained in detail about the Quality Control Order (QCO) on Technical Textiles and also mentioned segments where Polyester fibres/ filaments are used i.e., 19 Products under Geotextiles (out of which 7 products where polyester is used) and 06 Products under Medical Textiles (out of which 2 products where polyester is used).



**INDIAN TECHNICAL TEXTILE
ASSOCIATION**



**SAFETY APPLIANCES
MANUFACTURERS ASSOCIATION**

ITTA SIGNED MOU WITH SAFETY APPLIANCES MANUFACTURERS ASSOCIATION (SAMA)

Safety Appliances Manufacturers Association (SAMA) is an Association of Occupational Safety Appliances & Services – Providers, Manufacturers, Distributors & Dealers. Enhancing safety awareness and guiding the end-user for optimum usage of Safety Appliances & services, technologies, and equipment. Organizes events & campaigns for the members that boost workplace safety awareness across industries. The objective of MOU is: -

1. To promote Technical Textiles in India and abroad.
2. It will create a common platform to share knowledge and help each other to resolve various industry issues.

ITTA'S ENGAGEMENT WITH BIS DEVELOPMENT OF INDIAN STANDARDS ON TECHNICAL TEXTILES

1. BIS SECTIONAL COMMITTEE MEETINGS -

1.1 Technical Textiles for Sportech Applications Sectional Committee, TXD 37

The 08th Meeting of Technical Textiles for Sportech Applications Sectional Committee, TXD 37 was held through video conferencing on 28.06.2024. The meeting was attended by Dr. Anup Rakshit, Executive Director and Mrs. Ruchita Gupta, Manager-Technical from ITTA Secretariat and ITTA Members from Archroma India Pvt. Ltd., Garware Technical Fibres Ltd., Haren Textiles Pvt. Ltd. and Kusumgar Corporates Pvt. Ltd.

Following points were discussed & decided in the meeting--

1. **IS Standards at Draft Preparation Stage** - Preliminary draft is being prepared on Sports Ropes and Sports Apparel by the expert panel constituted by committee.

2. It was decided that IS 11915: 1986 - Specification for nylon fabric for making mountaineering equipment & IS 3345: 1989 - Sports nets will be revised by taking technical inputs from industry.

1.2 Technical Textiles for Clothtech Applications including Narrow Fabrics and Braids Sectional Committee (TXD 39)

The 9th Meeting of Technical Textiles for Clothtech Applications including Narrow Fabrics and Braids Sectional Committee, TXD 39 was held through video conferencing on 30.05.2024. The meeting was attended by Shri. Vikram Jain, Director from ITTA and ITTA members from Sky Industries Ltd. and Universal Yarns & Tex Pvt. Ltd.

Following points were discussed & decided in the meeting--

1. **Wide Circulation** - Following Draft standards will be issued under wide circulation- IS 8156:2014 'Fasteners for consumer goods - Synthetic hook and loop tape.

1.3 Textiles Protective Clothing Sectional Committee, TXD 32

The 20th Meeting of Textiles Protective Clothing Sectional Committee, TXD 32 was held through video conferencing on 08.07.2024. The meeting was attended by Dr. Anup Rakshit, Executive Director from ITTA Secretariat and ITTA Members from Aeronav Industrial Safety Appliances, Arvind Ltd., E.I. Dupont India Pvt. Ltd., Star Safety Hub, System 5S Pvt. Ltd., and Welspun India.

Following points were discussed & decided in the meeting--

1. **IS Standards for Publication** - Following Draft Amendment of Indian Standard is finalized for publication- IS 15768:2008 Textiles - Resistance to Ignition of Upholstered Composites used for Non-Domestic Furniture.

1.4 Industrial Fabrics Sectional Committee, TXD 33

The 21st Meeting of Industrial Fabrics Sectional Committee, TXD 33 was held through video conferencing on 26.07.2024. The meeting was attended by Dr. Anup Rakshit, Executive Director and Mrs. Ruchita Gupta, Manager- Technical from ITTA Secretariat and ITTA Members from Arvind Advance Material Ltd., Ginni Filaments, Jeevan Ecotex Pvt. Ltd., Khosla Profil, Pvt. Ltd., Kirti Filtration and Automation Pvt. Ltd., Kusumgar Corporates Pvt. Ltd., Madura Industrial Textiles, Pacific Harish Industries Ltd., Shiva Texyarn Ltd.,

SRF Ltd., Universal Yarn and Tex Pvt. Ltd. and Welspun India Pvt. Ltd.

Following points were discussed & decided in the meeting--

1. **Wide Circulation** - Following Draft standards will be issued under wide circulation- IS 8164:2023 - Hospital Rubber Sheeting Without Reinforcing Fabric, Nonwoven Industrial Filter Fabric and Industrial Nonwoven Wipes.

2. IS Standards at Draft Preparation Stage - Preliminary draft to be prepared on Fabric for Conveyor Belt by SRF Ltd.

3. Khosla Profil Pvt. Ltd. to share technical

inputs/working draft for raw material, performance requirement and test methods for new subjects on Abrasive cloths, Woven air slide fabrics and Woven press filter cloth bags.

1.5 Technical Textile for Medtech Applications Sectional Committee, TXD 36

The 27th Meeting of Technical Textile for Medtech Applications Sectional Committee, TXD 36 was held through video conferencing on 16.07.2024. The meeting was attended by Dr. Anup Rakshit, Executive Director and Mrs. Ruchita Gupta, Manager- Technical from ITTA Secretariat and many ITTA Members from Dima Products, Dispoline India Pvt. Ltd., Ginni Filaments Ltd., Kimberly Clark Corporation, KOB Medical Textiles Pvt. Ltd., Nobel Hygiene, Procter and Gamble Co., Surgeine Health Care Pvt. Ltd. and Swara Baby Products Pvt Ltd.

Highlights of the key points discussed & decided in the meeting--

1. **IS Standards for Publication** - Following Draft Amendments of Indian Standard are finalized for

publication- IS 17509:2021 - Disposable Baby Diaper [Doc: TXD 36 (25701)], IS 758:2023 - Absorbent Cotton Gauze (Fifth Revision) [Doc: TXD 36 (25704)] and IS 863:2023 - Cotton Bandage Cloth (Third Revision) [Doc: TXD 36 (25705)].

2. **Wide Circulation** - Following Draft amendment will be issued under wide circulation- IS 18266:2023 - Medical Respirator.

3. Tynor Orthotics Pvt. Ltd., Mohali and Dr. Sabharwals Wound Care, Baddi to share the working draft on the new subjects i.e., Knee Cap, Lumbo Sacral Belt, Wrist and Forearm Splint, Ankle Binder, Wrist and Forearm Splint, Chest Binder based on inhouse technical data, scientific data and International Practice.

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Bharat Tex 2025 to take place in Delhi from February 14-17, 2025

India's textile industry is expected to grow to US\$350 bn by 2030 and add 3.5 crore jobs. This was stated by Union Minister of Textiles, Shri Giriraj Singh during the Curtain Raiser event of 'Bharat Tex 2025' today in New Delhi. He further expressed hope of India being recognised by its 'Bharat' brand and green sustainable textile products at the world stage. Union Minister of State for Textiles and External Affairs, Shri Pabitra Margherita, Textiles Secretary, Ms. Rachna Shah and other senior officials of the Ministry also graced the event.

Shri Singh asserted that the Union Government's PLI scheme for textiles will enable the apparel industry to boost production and promote their branding. The Minister also added that the PLI scheme will enable linking of the textile value chain and lure FDI in the country.

Shri Singh emphasised that the Indian demographic dividend will aid India's growth ahead of China and urged the state governments to equally participate in the event. "With innovation, collaboration, and the Make in India spirit at its core, this event is an embodiment of the 5F vision of the Hon'ble Prime Minister- Farm to Fibre to Factory to Fashion to Foreign", he added.

Bharat Tex 2025 is a global textiles event being organised by a consortium of Textile Export Promotion Councils (EPCs) and supported by the Ministry of Textiles. Scheduled to be held from February 14-17, 2025 BHARAT TEX 2025 is

positioned as a global scale textile trade fair and knowledge platform.

The event will be held simultaneously at two state-of-the-art venues, of Bharat Mandapam, New Delhi and India Expo Centre and Mart, Greater Noida. While the main event will be held from February 14-17, 2025 at the Bharat Mandapam and will cover the entire value chain of textiles, exhibitions pertaining to handicrafts, garment machinery, ethnic apparel will be exhibited from February 12-15, 2025 at the India Expo Centre and Mart, Greater Noida.

Bharat Tex 2025 aims to build on the resounding success of the last edition in 2024. Built around the twin themes of resilient global value chains and textile sustainability, this year's show promises to be even more vibrant and attractive than the first edition, attracting top policymakers, global CEOs, international exhibitors and global buyers.

Spanning 200,000 square meters, the event will host over 5,000 Exhibitors, 6,000 international buyers from over 110 countries and over 1, 20,000 visitors are expected to participate in this year's event. Around 100 international speakers are also going to participate in the event.

The Bharat Tex exhibition will feature Apparel, Home Furnishings, Floor Coverings, Fibres, Yarns, Threads, Fabrics, Carpets, Silk, Textiles based Handicrafts, Technical Textiles and many more. It will also have a retail High Street focusing on India's

fashion retail market opportunities. Besides, exhibitions on handicrafts and apparel machinery, displays of ethnic wear shall be hosted at the sister venue of India Expo Centre and Mart, Greater Noida.

The textile extravaganza will offer a range of activities, a global sized trade fair and expo, a global scale textiles conference, seminars, CEO roundtables, and B2B and G2G meetings. It will also feature strategic investment announcements, product launches, and collaborations poised to

reshape the global textile industry. Attendees can look forward to live demonstrations, cultural events, and fashion presentations, designer and brand exhibitions and sustainability workshops, and expert talks.

The curtain raiser event for Bharat Tex 2025 drew a distinguished gathering of industry associations, textile sector leaders, and senior officials from various ministries. More information about Bharat Tex 2024 Expo available at www.bharat-tex.com.

DGFT simplifies Export Promotion Capital Goods Scheme procedures to enhance Ease of Doing Business



The Directorate General of Foreign Trade (DGFT) has announced significant enhancements to the Export Promotion Capital Goods (EPCG) Scheme aimed at simplifying processes, reducing transaction costs and promoting automation to benefit exporters vide Public Notice No. 15 dated 25th July 2024. These changes align with the commitment of the Government to create a more business-friendly environment and improving India's manufacturing competitiveness.

As per the changes, the scheme will now provide exporters an extended period to submit Installation Certificates for imported Capital Goods. This extension reduces pressure on businesses, allowing them to focus more on production and export activities. Further, a simplified and reduced composition fee structure for extending the Export Obligation (EO) period has been introduced. This change minimises manual intervention, streamlines compliance and speeds up service delivery. Also, from now all Policy Relaxation Committee (PRC) decisions regarding Export Obligation extensions and regularisation of exports will be implemented with a levy of uniform composition fee making it easier to implement through the system.

Benefits for Exporters:

These updates make it easier for exporters to

comply with regulations, reducing the time and effort required to meet DGFT requirements. By expanding automated rule-based processes, DGFT aims to reduce human intervention, mitigate risks and improve overall efficiency in trade facilitation.

Commitment to Modernization and Efficiency:

Since the announcement of the new Foreign Trade Policy in April 2023, DGFT has been actively modernising its systems to expand automated rule-based processes. These initiatives are crucial steps towards fostering a more business-friendly environment and enhancing India's competitiveness in the global market. DGFT has already taken efforts to automate the authorisation issue process, ad-hoc norms fixation process under Advance Authorisation, export obligation extension, automatic status holder certificate issue, among others, in recent days. It is planned that in the coming months, more and more processes will be system driven with minimal or no human intervention to order to facilitate trade and industry. For more details on these updates, please visit DGFT Website at <https://www.dgft.gov.in>.

[Source- <https://pib.gov.in/PressReleasePage.aspx?PRID=2037378>]



Confident of crossing \$10 bn export target for technical textiles by 2030: Union Minister of Textiles Shri. Giriraj Singh

The international conference was organised by Ministry of Textiles in association with Federation of Indian Chambers of Commerce & Industry (FICCI) and Indian Technical Textile Association (ITTA) on 6th-7th September 2023 at The Ashok Hotel - New Delhi, India under its flagship scheme National Technical Textiles Mission.

Confident that India's technical textile industry will cross the target of \$10 bn set for 2030. This was stated by Union Minister of Textiles, Shri. Giriraj Singh during the inauguration of the international conference-cum-exhibition titled 'Viksit Bharat - Technical Textiles for Sustainable Growth & Development' in New Delhi.

The Union Minister emphasised the increasing consumption and importance of manmade fibres and technical textiles in all spaces of life, at both a global and domestic level. Shri. Singh also launched the Compendium of the National Technical Textiles Mission and also awarded confirmation certificates to 11 approved Start-Ups under NTTM. The Union Minister stated that the Govt. is fully dedicated in the development of the technical textiles industry of India and has taken various steps such as launch of NTTM, PLI Scheme for MMF Fabric, Apparel and Technical Textiles.

Highlighting the key initiatives taken under the NTTM mission, the Union Minister stated that 156 research projects have been sanctioned including development of carbon fibres and support to start-ups under different areas of technical textiles. He emphasised on the potential of Meditech, especially hygiene products as a major contributor in achieving this target. He displayed confidence in the ability of the local industry, govt. and stakeholders in the development of High-Performance Fibres that have huge applications in different field including aerospace, automobile and construction. Concluding his speech, the Union Minister reiterated the complete support of the govt. to

become a global leader and the largest manufacturer and market of technical textiles.

Union Minister of State for Textiles, Shri. Pabitra Margherita stated that the nation is advancing towards becoming Atmanirbhar in all sectors including Technical Textiles. He also mentioned that multiple state governments have taken initiatives for promoting investments, including FDI, in the technical textiles industry and urged other states to do the same.

Smt. Rachna Shah, Secretary (Textiles), Ministry of Textiles emphasised the role of technical textiles in Viksit Bharat. Highlighting the large market opportunity in technical textiles, the Secretary stated that the global trade of technical textiles is around \$300 bn, while India's domestic market size stands at \$25 bn with an export of \$2.6 bn. Talking about the NTTM, she mentioned that high focus on introducing standards, Quality Control Orders, and interdepartmental collaboration is being given under the mission.

Joint Secretary and Mission Coordinator, NTTM, Shri Rajeev Saxena provided an overview of the policy initiatives and support being provided under six guidelines of the NTTM. He also shared the progress made so far in the mission including release of Quality Control Order for 57 technical textiles items, including QCO on fire retardant furniture fabrics, inclusion of 37 new HSN Codes under the ambit of technical textiles.

Day 1 of the conference included 4 panel discussions on the area of employment, innovation, social impact and future direction of the technical textile industry. The panel discussions saw participations from government representatives, industry leaders, representatives of research organizations and start-up founders.

Government setting up 7 PM MITRA Parks with world class infrastructure to give a boost to Textiles Sector



The Government has approved setting up of 7 (Seven) PM Mega Integrated Textile Region and Apparel (PM MITRA) Parks in Greenfield/Brownfield sites (including a Greenfield project in Virudhanagar Tamil Nadu) with world class infrastructure including plug and play facility with an outlay of Rs. 4,445 cr. for a period of seven years upto 2027-28. It is envisaged that each park when completed will generate 1 lakh direct and 2 lakh indirect employments. In order to implement the PM MITRA Scheme in Virudhnagar, a Special Purpose Vehicle (SPV) i.e. 'PM Mega Integrated Textile Regions and Apparel Park, Tamil Nadu Limited' has been incorporated with Government of Tamil Nadu holding 51% stake in the SPV and remaining 49% being held by the Government of India. The process of obtaining Environmental Clearance as well as layout approval from Directorate of Town and Country Planning has been completed. The Process of providing Water and Power supply up till the park gate is in progress. Memorandum of Understanding (MoU) worth Rs

1200 cr. for investment in the park has been signed so far.

With a view to increasing investments, generating employment opportunities and boosting exports in textile sector, the Ministry is implementing Scheme for Integrated Textile Park (SITP) to provide support for setting up textile parks with world-class, state-of-the-art infrastructure in textile hubs across the country. The scheme was in implementation up to 31.03.2021. However, the Scheme has now been subsumed under the umbrella Scheme of Textile Cluster Development Scheme (TCDS) and an outlay of Rs.568.15 Crore has been allotted for completing ongoing projects only. The details of the textile parks in Tamil Nadu under the Scheme are given below.

This information was given by the Union Minister of State for Textiles, Shri. Pabitra Margherita in a written reply in the Rajya Sabha.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=2037580>]

S. No	Name of the park	District	Approved Project Cost	Total Govt. grant released	Actual Employment	Units Operational	Park Status
1	Palladam Hi-Tech Weaving Park, Palladam	Tirupur	55.42	22.17	2650	90	Completed
2	Komarapalayam Hi-Tech Weaving Park	Namakkal	31.33	12.54	853	56	Completed
3	Karur Integrated Textile Park, Karur Park	Karur	116.1	40.00	5000	35	Completed
4	Madurai Integrated Textile Park Ltd	Madurai	87.30	31.43	2551	17	Completed
5	Perarignar Anna Handloom Silk Park	Kanchipuram	82.52	9.91	750	12	Under implementation
6	Pallavada Textile Park	Erode	106.58	10.00	825	3	Under implementation
7	The Great Indian Linen & Textile	Erode	104.29	12.00	170	7	Under implementation

Govt takes several steps to promote business, boost exports and manufacturing



The Central Government has undertaken several key initiatives and policy measures to boost exports, attract investments and to promote ease of doing business from time to time.

1. New Foreign Trade Policy has been launched on 31st March, 2023 and came in to effect from 1st April, 2023.
2. Interest Equalization Scheme on pre and post shipment rupee export credit has also been extended upto 31-08-2024 with total allocation of Rs. 12788 crores.
3. Assistance is being provided through several schemes to promote exports, namely, Trade Infrastructure for Export Scheme (TIES) and Market Access Initiatives (MAI) Scheme.
4. Rebate of State and Central Levies and Taxes (RoSCTL) Scheme to promote labour-oriented sector export has been implemented since 07.03.2019.
5. Remission of Duties and Taxes on Exported Products (RoDTEP) scheme has been implemented since 01.01.2021. Similarly, anomalies in 432 tariff lines have been addressed and the corrected rates have been implemented with effect from 16.01.2023.
6. Common Digital Platform for Certificate of Origin has been launched to facilitate trade and increase Free Trade Agreement (FTA) utilization by exporters.
7. Districts as Export Hubs initiative has been launched by identifying products with export potential in each district, addressing bottlenecks for exporting these products and supporting local exporters/manufacturers to generate employment in the district.

Government has taken various steps to boost domestic and foreign investments in India. These include the introduction of Goods and Services Tax, reduction in corporate tax, improving ease of doing business, FDI policy reforms, measures for reduction in compliance burden, measures to boost domestic manufacturing through public procurement orders, Phased Manufacturing

Programme (PMP) and QCOs (Quality Control Orders), to name a few. Further, keeping in view India's vision of becoming 'Atmanirbhar', PLI Schemes for 14 key sectors have been announced with an outlay of Rs. 1.97 lakh crore to enhance India's Manufacturing capabilities and Exports.

The Government has taken several steps to enhance the global competitiveness of Indian industries, foster innovation and entrepreneurship, and facilitate greater integration with global supply chains, as part of the roadmap for India 2047. The details are as under:

- i. Policy and Legislative reforms have been undertaken in last 9 years with respect to institutional strengthening and process digitalization in the area of Intellectual Property Right (IPR). This shall accelerate economic development of the nation through science and technology to fulfil the Viksit Bharat Sankalp.
- ii. The Startup India initiative was launched with the aim to build a strong ecosystem for nurturing innovation and entrepreneurship to drive sustainable economic growth and generate large scale employment opportunities.
- iii. India has undertaken trade policy reforms to enhance its participation and share in global trade. India's Foreign Trade Policy (FTP) plays a crucial role in promoting the country's integration into global supply chains.
- iv. The Government of India launched PM GatiShakti National Master Plan on 13th October, 2021 to facilitate infrastructure and social sector planning using the PM GatiShakti NMP GIS-enabled portal. Utilisation of PMGS promotes multimodal connectivity, enhances last mile connectivity which contributes to Ease of Doing Business and Ease of Living.

This information has been provided by the Union Minister of State for Commerce and Industry, Shri Jitin Prasada in a written reply in the Lok Sabha today.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=2039117>]

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Unveils New NIJ Certified Level IIIA Body Armor



Armor Matrix Systems has announced the release of its latest innovation, the GEN7-III A-PP soft ballistic panel system, which has officially been certified by the National Institute of Justice (NIJ) at Threat Level IIIA.

The GEN7-III A-PP system represents a significant advancement in ballistic protection, featuring the groundbreaking PERAPLUS-GEN7 fabric technology. This new soft armour panel is not only extremely lightweight and flexible but also delivers superior ballistic performance. Armor Matrix Systems backs this innovative product with a seven-year warranty, reflecting the company's confidence in its durability and performance.

The GEN7-III A-PP soft armour panel has undergone rigorous testing, showcasing remarkable protective capabilities. It competes with leading products in the market, such as Armor Express Gen2 Razor IIIA, Point Blank Alpha Elite Series, and Safariland's SX Armor, in terms of weight, flexibility, and ballistic protection.

One of the standout features of the GEN7-III A-PP is its exceptional V50 Ballistic Limit test results. The V50 test measures the velocity at which there is a 50% chance of projectile penetration. With a V50 357 SIG value of 1934 ft/s (589 m/s), the GEN7-III A-PP surpasses all other lightweight NIJ Level IIIA certified soft armour panels currently available, setting a new industry standard.

Beyond the standard .44 Magnum and .357 SIG rounds required for NIJ Level IIIA certification, the GEN7-III A-PP has been tested against a range of additional special threat rounds, including 9mm Ranger SXT, 7.62x25mm Tokarev 85gr. FMJ, and 5.7x28mm 40gr. SS197. This extensive testing ensures that the panel provides exceptional protection against a wide array of ballistic threats.

[Source-<https://www.bodyarmornews.com/armor-matrix-systems-unveils-new-nij-level-iiia-body-armor/>]

Baby pants with Dreamshield 360° technology



Belgium based Ontex Group, a leading international developer and producer of personal care products, is proud to announce the commercial launch of its newest baby pants, featuring its Dreamshield 360° innovation. The Dreamshield 360° technology - designed with a unique pee & poo back barrier and a

360 fit for all-around protection and comfort - is available in-stores in Germany. The launch will soon expand to other markets as production ramps up across Ontex plants.

Dreamshield 360° pants have demonstrated superior

performance in multiple consumer panels versus competitor products. Consumers have expressed their preference for Dreamshield 360°, particularly related to absorption capacity, absence of leaks, dryness and fit. In a recent French study, 65% of consumers considered absorption capacity in baby products to be extremely important, while 55% emphasised the need to keep skin dry, and 62% rated comfort as a crucial factor. Dreamshield 360° excelled in panels against competitors in all these areas, making it a trusted choice among both parents and retailers.

The new range of baby pants features triple leakage barriers and continues to use Ontex's patented SecondRY technology, ensuring all-around anti-leak fit and ultimate dryness. Ontex saw strong growth in its baby pants sales last year and this trend continues in 2024. The rollout of the baby pant technology has started in Europe with room for expansion to other regions.

[Source - <https://ontex.com/news/ontex-brings-dreamshield-360-technology-in-baby-pants-to-market/>]

Intelligent soft robotic clothing for automatic thermal adaptation in extreme heat

As global warming intensifies, people increasingly suffer from extreme heat. For those working in a high-temperature environment indoors or outdoors, keeping thermally comfortable becomes particularly crucial. A team of scientists from the School of Fashion and Textiles of The Hong Kong Polytechnic University (PolyU) has developed first-of-its-kind thermally-insulated and breathable soft robotic clothing that can automatically adapt to changing ambient temperatures, thereby helping to ensure worker safety in hot environments.

Thermal protective clothing is essential to safeguard individuals in extreme high-temperature environments, such as firefighters who need to be present at fires scenes and construction workers who work outdoors for extended periods. However, traditional gear has been limited by statically fixed thermal resistance, which can lead to overheating and discomfort in moderate conditions, while its heat insulation may not offer sufficient protection in extreme fire events and other high-temperature environments. To address this issue, Dr Shou and his team have developed intelligent soft robotic clothing for automatic temperature adaptation and thermal insulation in hot environments, offering superior personal protection and thermal comfort across a range of temperatures.

The protective clothing developed by the team uses soft robotic textile for dynamic adaptive thermal management. Soft actuators, designed like a human network-patterned exoskeleton and encapsulating a non-toxic, non-flammable, low-boiling-point fluid, were strategically embedded within the clothing. This thermo-stimulated system turns the fluid from

a liquid into a gas when the ambient temperature rises, causing expansion of soft actuators and thickening the textile matrix, thereby enhancing the gap of still air and doubling the thermal resistance from 0.23 to 0.48 Km²/W. The protective clothing can also keep the inner surface temperatures at least 10°C cooler than conventional heat-resistant clothing, even when the outer surface reaches 120°C.

This unique soft robotic textile, made by thermoplastic polyurethane, is soft, resilient and durable. Notably, it is far more skin-friendly and conformable than temperature-responsive clothing embedded with shape-memory alloys and is adjustable for a wide range of protective clothing. The soft actuators have exhibited no signs of leakage after undergoing rigorous standard washing tests. The porous, spaced knitting structure of the material can also significantly reduce convective heat transfer while maintaining high moisture breathability. Not relying on thermoelectric chips or circulatory liquid cooling systems for cooling or heat conduction, the light-weighted, soft robotic clothing can effectively regulate temperature itself without any energy consumption. Looking forward, Dr. Shou finds the innovation to have a wide range of potential applications, from activewear, winter jackets, healthcare apparel and outdoor gear, to sustainable textile-based insulation for construction and buildings, contributing to energy-saving efforts.

[Source - <https://www.polyu.edu.hk/rio/news/2024/20240814---polyu-researchers-invent-intelligent-soft-robotic-clothing/>]

EXPORT-IMPORT TREND OF TECHNICAL TEXTILE PRODUCTS OF MAY 2024

(ITTA Analysis on Ministry of Commerce and Industry Data)

The data on export and import of 247* technical textile products/items is published as an indicator of foreign trade performance of technical textile industry in India.

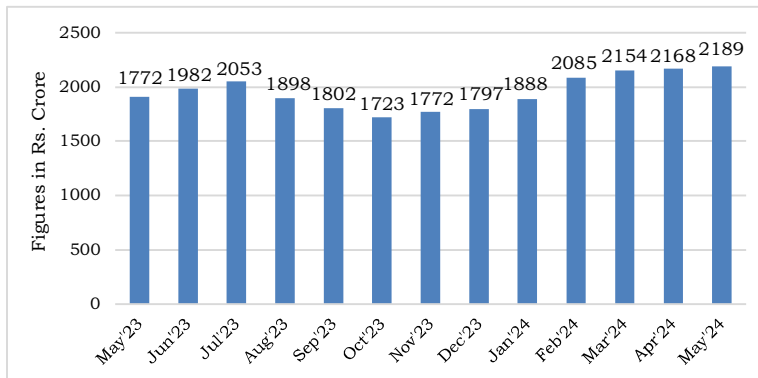
A. EXPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	May 2023	May 2024	% Growth	Apr'23-May'23	Apr'24-May'24	% Growth
1	Agrotech	78	96	22%	148	161	9%
2	Buildtech	78	76	-27%	139	134	-4%
3	Clothtech	22	40	83%	53	70	34%
4	Geotech	162	219	35%	299	412	38%
5	Hometech	19	10	-49%	40	20	-49%
6	Indutech	229	213	-7%	446	416	-7%
7	Meditech	256	267	4%	479	504	5%
8	Mobiltech	249	303	22%	455	556	22%
9	Packtech	543	609	12%	1091	1186	9%
10	Protech	81	55	-32%	174	93	-47%
11	Sportech	93	115	24%	187	212	13%
12	Nonwovens	98	132	36%	187	262	40%
13	Speciality Fibres	54	30	-45%	124	56	-55%
14	Composites	23	24	3%	41	45	11%
GRAND TOTAL		1985	2189	10	3863	4126	7

Data Source: ITTA Analysis on Ministry of Commerce and Industry (at 8 digit level of HSN Codes)

Figure 1 - Monthly Trend of Export Performance



The above figures show that the export is steadily growing from February 2024 to May 2024. The following items are the top contributor.

Top Ten Exported Products in Month of May' 24 -

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	63053200	Flexible Intermediate Bulk Containers (FIBC)	563
2	59039090	Other fabric plated, laminated, coated, impregnated with other plastics	164
3	84212300	Oil or petrol-filters for internal combustion engines	90
4	56074900	Other cordage of Polyethylene/ Polypropylene	82
5	87089500	Safety airbags with inflater system	79
6	61152990	Panty Hose and Tights of other fibres	64
7	56031200	Nonwovens of MMF: Weighing > 25 gsm but not > 70 gsm	59
8	59031090	Other Fabrics impregnated, laminated, plated and coated with PVC	59
9	40093100	Tubes, Pipes and Hoses of Vulcanised Rubber Reinforced/ Otherwise combined only with Textile materials without fittings	57
10	56081190	Made Up Fishing Nets other than Nylon	50

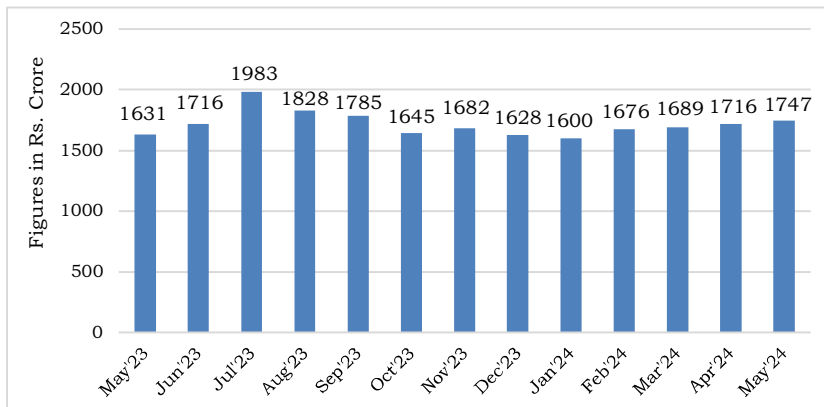
B. IMPORT PERFORMANCE

(Value in INR Cr.)

Sr. No	Segments	May 2023	May 2024	% Growth	Apr'23-May'23	Apr'24-May'24	% Growth
1	Agrotech	47	47	-1%	138	80	-42%
2	Buildtech	192	162	-16%	358	298	-17%
3	Clothtech	20	18	-8%	37	39	6%
4	Geotech	138	136	-1%	276	259	-6%
5	Hometech	33	33	1%	55	63	14%
6	Indutech	268	294	10%	543	570	5%
7	Meditech	111	88	-20.49%	203	178	-12%
8	Mobiltech	537	480	-11%	1103	959	-13%
9	Packtech	65	56	-15%	126	106	-16%
10	Protech	57	35	-38%	94	100	7%
11	Sportech	64	48	-25%	110	87	-20%
12	Nonwovens	120	138	15%	241	244	1%
13	Speciality Fibres	166	198	19%	314	364	16%
14	Composites	16	14	-16%	60	23	-61%
	GRAND TOTAL	1834	1747	-5	3659	3372	-8

Data Source: ITTA Analysis on Ministry of Commerce and Industry (at 8 digit level of HSN Codes)

Figure 2 - Monthly Trend of Import Performance



India's import of TT products has registered a decrease in January 2024, then the import had shown a marginally increase from month of March 2024 to May 2024.

Top Ten Imported Products in Month of May' 24 -

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	87089500	Safety airbags with inflater system	133
2	59039090	Other fabric plated, laminated, coated, impregnated with other Plastics	103
3	59032090	Other fabrics impregnated, laminated, plated and coated with Polyurethane	95
5	84212300	Oil or petrol-filters for internal combustion engines	89
6	59031090	Other fabrics impregnated, laminated, plated and coated with PVC	61
7	70191200	Glass Rovings	59
8	54022090	Other high tenacity yarn of Nylon or other Polyester (Textured Yarns)	59
9	54021990	Other high tenacity yarn of Nylon or other Polyester (Less than 840 Denier)	53
10	58063200	Narrow woven fabrics of man-made fibres	47
11	70191100	Chopped Strands of Glass fibres of a length not more than 50 mm	41

***NOTE-**

1. 12 HSN Codes from the 207 list have been removed from the CUSTOMS TARIFF OF INDIA-2022 effective from 01.05.2022.

UPCOMING EVENTS

DATES	EVENTS NAME	PLACE	WEBSITE
DOMESTIC EVENTS			
02-05 July 2024	<i>HGH INDIA 2024 (15th Edition of Home Décor, Gifts & Houseware)</i>	Mumbai, India	https://hghindia.com/
19 July 2024	<i>INDIAN POLYESTER - 2024 (10th International Conference)</i>	Mumbai, India	https://www.eliteconferences.com/
22-24 August 2024	<i>10TH EDITION NONWOVEN TECH ASIA (Exclusive Exhibition on Nonwoven & Hygiene Technology)</i>	Mumbai, India	https://nonwoventechasia.com/
29-31 August 2024	<i>SPORT INDIA 2024 - 12th India International Sporting Goods Show</i>	New Delhi, India	https://iisgs.com/
22-23 October 2024	<i>INTEXCON 2024 - Tech Tex Asia - "Capitalising India's Growth & Collaborative Transformation as a Global Leader in Advanced Textiles" (International Conference & Expo)</i>	Gujarat, India	https://intexcon.in/
21-23 November 2024	<i>OSH INDIA</i>	Mumbai, India	https://www.oshindia.com/mumbai/
14-17 February 2025	<i>BHARAT TEX 2024 (Global Textile Expo)</i>	New Delhi, India	https://www.bharat-tex.com/
21-23 February 2025	<i>GTTES 2025 (3rd Global Textile Technology & Engineering Show)</i>	Mumbai, India	https://www.india-itme.com/exhibitions/gttes/index.php
24-25 April 2025	<i>OSH INDIA NORTH</i>	New Delhi, India	https://www.oshindia.com/oshgurukulconference/
19-21 November 2025	<i>TECHTEXTIL INDIA 2025</i>	Mumbai, India	https://techtexsil-india.in.messefrankfurt.com/mumbai/en.html
INTERNATIONAL EVENTS			
29 June-06 July 2024	<i>NANOTECHNOLOGY 2024 (International Conferences & Exhibition on Nanotechnologies, Organic Electronics & Nanomedicine)</i>	Thessaloniki, Greece	https://www.nanotechnology.com/
14-16 August 2024	<i>INTERTEXTILE SHANGHAI HOME TEXTILES AUTUMN EDITION</i>	Shanghai, China	https://intertextile-shanghai-hometextiles-autumn.hk.messefrankfurt.com/shanghai/en.html
19-22 August 2024	<i>IRANTEX 2024 (30th International Textile Machinery, Raw Material, Home Textile Exhibition)</i>	Tehran, Iran	https://spnco.net/
20-22 August 2024	<i>TECHTEXTIL NORTH AMERICA</i>	North Carolina, USA	https://techtexsil-north-america.us.messefrankfurt.com/
21-24 August 2024	<i>ICACM 2024 (7th International Conference on Advanced Composite Materials)</i>	Tokyo, Japan	http://icacm.org/
03-05 September 2024	<i>TECHNOTEXTIL 2024 (International Trade Fair for Technical Textiles, Nonwovens, Textile Processing and Equipment)</i>	Moscow, Russia	https://en.technotextil.ru/
04-05 September 2024	<i>INTERNATIONAL COMPOSITES SUMMIT (ICS)</i>	Milton Keynes, UK	https://www.internationalcompositessummit.com/
10-12 September 2024	<i>MIDDLE EAST COMPOSITES & ADVANCED MATERIALS (MECAM) EXPO</i>	Dubai, UAE	https://www.mecamexpo.com/
19-21 September 2024	<i>CINTE TECHTEXTIL CHINA</i>	Shanghai, China	https://cinte-techtexsil-china.hk.messefrankfurt.com/shanghai/en.html#

DATES	EVENTS NAME	PLACE	WEBSITE
24-26 September 2024	OUTLOOK 2024	Rome, Italy	https://www.edana.org/events/outlook/outlook-2024
23-26 September 2024	EMERGING TECHNOLOGIES CONFERENCE	Anaheim, CA	https://advancedtextilesexpo.com/
24-26 September 2024	ADVANCED TEXTILES EXPO 2024	California, USA	https://advancedtextilesexpo.com/
01-02 October 2024	RISE 2024 (Research, Innovation and Science for Engineered Fabrics Conference)	North Carolina, USA	https://www.riseconf.net/
14-18 October 2024	ITMA ASIA + CITME	Shanghai, China	https://www.itmaasia.com/shanghai2024/index.html
05-07 November 2024	WATERPROOF MEMBRANES 2024	Düsseldorf, Germany	https://www.ami-events.com/event/F622673A-3032-468C-8AB8-E031E9536242/summary
13-15 November 2024	ANTEXASIA 2024 (Asia Nonwovens Technology Expo)	Bangkok, Thailand	https://www.antexasia.com/
12-14 November 2024	FILTECH 2024 (The Filtration Event)	Cologne, Germany	https://filtech.de/
18-21 November 2024	HYGIENIX 2024 (The Premier Event for Absorbent Hygiene & Personal Care Products)	Nashville, USA	https://www.hygienix.org
05-06 December 2024	SMART TEXTILES AND EMERGING TECHNOLOGIES (STET) - INTERNATIONAL CONFERENCE - 2024	Virtual	https://texmatresearch.com/stet2024/
11-13 December 2024	10TH FILTRATION & SEPARATION ASIA (FSA) + 13TH CHINA INTERNATIONAL FILTRATION & SEPARATION EXHIBITION	Shanghai, China	https://www.fsa-expo.com/
26-28 February 2025	VIETNAM INTERNATIONAL TRADE FAIR FOR APPAREL, TEXTILES AND TEXTILE TECHNOLOGIES (VIATT)	Ho Chi Minh City, Vietnam	https://viatt.hk.messefrankfurt.com/hochiminhcity/en.html
12-14 March 2025	GENTEXH 2025 (GLOBAL EXHIBITION ON NONWOVEN & HYGIENE TECHNOLOGY)	Ho Chi Minh City, Vietnam	https://gentexh.com/
29 April-01 May 2025	IDEA 2025	Florida, USA	https://www.ideashow.org/
29 April-01 May 2025	FILTXPO™ 2025 (International Filtration/ Separation Exhibition & Technical Conference)	Florida, USA	https://www.filtxpo.com/
21-24 July 2025	WORLD OF WIPES 2025 (WOW) (International Conference)	Columbus, USA	https://www.worldofwipes.org/
04-07 November 2025	A+A 2025	Düsseldorf, Germany	https://www.aplusa-online.com/
19-22 May 2026	INDEX 2026 (Nonwoven Exhibition)	Palexpo, Geneva	https://www.indexnonwovens.com/en/