



INDIAN TECHNICAL TEXTILE ASSOCIATION

E-BULLETIN

*e-magazine for members*

Issue No.84

May-June, 2023

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## NATIONAL CONCLAVE ON SPORTECH -

### The Future of Sport Textiles and Accessories Industry in India

Indian Technical Textile Association (ITTA) jointly with the National Technical Textiles Mission (NTTM), MoT, GoI and in partnership with the Wool Research Association, COE, Sportech have organised the **NATIONAL CONCLAVE ON SPORTECH - "The Future of Sport Textiles and Accessories Industry in India"** on Friday, 2nd June 2023 at the Shangri-La Eros Hotel, New Delhi.

The Objective of the Conference was to create awareness on the latest product innovations & technology developments, acquire knowledge & ideas for new investments & export opportunities on Sports textile, enhance knowledge base on requirement of current Sportech industries & market, to understand product standards & certification process and creating the B2B & B2G platform for Sports textile industry.

The Hon'ble Minister of State for Textiles & Railways, GoI, Smt. Darshana Jardosh was the chief guest of the conclave and addressed the delegates. In a special interactive session, she actively discussed and answered the questions raised by the industry representatives and other delegates along with the Secretary- Textiles, MoT, GoI, Smt. Rachna Shah. The context setting of this session was done by Shri. Rajeev Saxena, Joint Secretary, MoT, GoI.

Smt. Darshana Jardosh highlighted that India is an emerging player in sports textiles, with tremendous



**Smt. Darshana Jardosh, MoS delivering her speech**

scope for growth in the coming years. She mentioned that the government has significant focus on creating sports culture in India through its flagship schemes such as Khelo India, Fit India

Movement, Target Olympic Podium Scheme, etc. This would support in enhancing the penetration of sports textiles in the country. Further, the factors such as rising health consciousness and increasing sports events being organized in India are also fostering the demand for sports goods and sports textiles. She highlighted that the recent initiative of Indian apparel & footwear sizing has been a significant step in sports and footwear industry. She mentioned that MoT under NTTM, is in continuous process of discussion with the concerned ministries regarding enhancing the usage of the technical textile items within their respective domains. Recently, MoT convened a meeting to explore the possibility of increasing the usage of technical textiles in the Railways sector for yielding significant results in this direction. Emphasizing the importance of developing the sportech sector to meet domestic demands with high-quality, locally produced products, she highlights the need for collaboration among stakeholders to foster synergy and create a concrete roadmap for the future of sportech industry in India.

Smt. Rachna Shah stated that the government is working to make India a hub for the technical



**Smt. Rachna Shah, Secretary Textiles delivering her speech**

textiles. Our flagship interventions such as NTTM, PLI scheme, PM Mitra Park initiative, among others are focused towards increasing the scale, size and integration of textiles and technical textiles in India. She highlighted that the growing interest in sporting activities, health consciousness among people, rising demand of athleisure, among others have been creating a huge potential for sports goods, sports textiles and accessories in India. She opined

that to capitalize on the opportunities presented by the sports industry, the companies need to focus on research, product development, innovation, and sustainability. She suggested that all the stakeholders must work together to create an enabling environment that supports the growth of sportech industry in India.

Shri. Rajeev Saxena, JS, highlighted that India's Technical Textiles market has a huge potential backed by a significant growth rate of 10% increased penetration level of 9-10% and placement as the 5th largest technical textiles market in the world. He said that the Sportech sector is significant contributor to this juncture and Ministry of Textiles' NTTM is working towards enhancing the usage/ demands of technical textiles, enhancing the awareness & know-how, facilitating product & machinery development and conducting segment



***Shri. Rajeev Saxena, Joint Secretary delivering his speech***

specific conferences, with the overall objective of creating adequate ecosystem of technical textiles in India. He highlighted that India's sportech market at around USD 1.17 million is minimal as compared to country's population size. Therefore, focus should be on developing this sector to meet domestic needs with indigenously produced quality sports textile products & accessories. PM Mitra presents a great opportunity in this regard wherein technical textiles companies could set-up their plants in plug-n-play mode.



***Lamp Lighting***

The leading Sportswear brands and senior officials from leading associations, namely Sports Authority of India (SAI), All India Football Federation (AIFF), Sports Goods Manufacturers & Exporters Association (SGMEA), Sports Goods Export Promotion Council (SGEPC) gave the presentations on their requirements & expectations on Sportech products. More than 300 delegates attended the conclave and got the networking opportunity with potential buyers and senior Govt. officials.

In the inaugural session, welcome address was given by Shri. Amit Agarwal, Chairman, ITTA followed by key note address by Shri. Rajeev Saxena, Joint Secretary, Ministry of Textiles, GoI, address by Shri. Rajesh Kr. Pathak, Secretary, Technology Development Board, GoI and vote of thanks by Shri. K. K. Misra, Director & COO, WRA. A short film on Technical Textiles prepared by NTTM was shown to delegates covering the overall scenario and progress made by the NTTM.

Shri. Rajesh Kr. Pathak highlighted that there is a need to facilitate and have confidence on various scientists and researchers working on product and technology development in technical textiles, including sportech. This will catalyze the development of entire ecosystem of technical textiles in India. Indian industry has to realize that



***Shri. Rajesh Kr. Pathak, Secretary, Technology Development Board delivering his speech***



***Dignitaries on Inauguration Session***



their major competitors are not the domestic counterparts, but the international companies and thus their product quality & usage have to be superior to what is already present in the market. He mentioned that the Technology Development Board has been in forefront for supporting the deep tech companies, to bring innovative products in the Indian market.

Smt. Roop Rashi, Textile Commissioner, highlighted that there is a need for creating synergy amongst various stakeholders in sportech sector, including Ministry of Textiles, Ministry of Health and Family Welfare, Ministry of Youth Affairs and Sports, sports industry, among others.

Shri. Amit Agarwal, ITTA, highlighted that coming years would create significant demand for the sportech products in India on the back of rising health consciousness, India's hosting of 2036 Olympics Games and Government's strong focus & vision towards enhancing entire ecosystem of technical textiles.



***Shri. Amit Agrawal, Chairman, ITTA addressing delegates***



***Shri. K. K. Misra, Director, WRA delivering vote of thanks***

Shri. K. K. Misra, WRA, proposed a vote of thanks. He thanked the Secretary-Technology Development Board, Joint Secretary, Textile Commissioner and all the NTTM Officials, COEs, R&D, participants from Sportech Industry & Academic Institutions who were present in conclave.



***View of Audience***

## **TECHNICAL SESSION 1**

There were four Technical Sessions in the conference. First Session deliberate on the Market size, Gaps, Experience and Expectations of consumers towards adoption of Indian Sports Textiles. FDI opportunities in Sportech & market size assessment was presented by Invest India. Session was moderated by Ms. Bhavna Rathee, Assistant Vice President- Invest India and Eminent panelists were Shri. Vishnu Bhagat, CEO- Shiv Naresh Sports Pvt. Ltd., Shri. N. Mohan, Director & CEO- Kothari Industrial Corp. Ltd., Shri. Amit Jain, Managing Director- Shingora Textiles Ltd., Shri. R. Selvam, Executive Director- Council for Leather Exports, Smt. Shubhra Agarwal, Trade Advisor- Ministry of Textiles and Ms. Aprajita Saini, Manager- Startup India. Key Discussion Points:

- a. More investment is required for technology requirement and technology transfer by JVs/ Collaborations with International companies, Institutes & R&D labs.
- b. Need to focus on Technological Innovations in Sportech products - Artificial Turf, High Performance Swimwear, Ski Suits, etc. Some Projects under NTTM-R&D funding has started, but scaling up of such research from Lab to commercial scale should be planned.
- c. Focus should be on developing this sector to meet domestic needs with indigenously produced quality sports textile products & accessories at affordable price such as High-performance Sportswear, Sports Composites i.e., rackets, composite hockey & golf stick.
- d. Footwear with textile uppers: accounting to almost 33% of world exports- Needs collaboration with textile & footwear industry & Indian footwear industry is a massive employment generator with potential to create jobs.



**Smt. Shubhra Agarwal, Trade Advisors as panelist**

## TECHNICAL SESSION 2

Next session was moderated by Dr. Anup Rakshit, Executive Director, ITTA, dealt with Sports Goods and Accessories covering Footwear components, Shoe uppers, use of Coated fabrics, Leather and Rubber products. Presentations and discussions by the following panelists were focused on details of the above areas- Smt. Susmita R. Jyotsi, Regional Director- Sports Authority of India (SAI), Shri. Arun Kumar Sinha, IAS, Managing Director- Footwear Design & Development Institute, Dr. K. Rajkumar, Director- Indian Rubber Manufacturers Research Association (IRMRA) and Shri. Sunil Gupta, Principal Director- Process Cum Product Development Centre (PPDC). Major points discussed:

- a. It is necessary to have mandatory use of the Sportech products in specific applications.
- b. To allocate new HS Codes for Specific Sportech products which are booked under "OTHERS" category. All BIS Stds should have reference of HSN Codes of the TT products.
- c. Large number of unorganized units in this sector needs attention in terms hand holding them for making quality products, making them aware of global standards on fashion trends.
- d. Participation from Industry to standardize their own products to take it outside India is very much lacking. Therefore, the industry participation is very important because BIS may not be aware that which are the products need standardization and also to the international level.
- e. IRMRA is having very good facilities for development of Sports Rubber goods having technical textiles. Interested institute may collaborate with IRMRA for exploring such collaborative research. Any import substitute or new product development activities could also be undertaken.



**Speakers in Session 1**

## TECHNICAL SESSION 3

Third session was devoted to Innovations & Research in Composites and Smart Textiles and moderated by Dr. Bipin Kumar, Assistant Professor, IIT-Delhi. Panelists were- Dr. Sanjay R. Dhakate, Chief Scientist and Professor AcSIR, Head- Advanced Materials and Devices Division, CSIR-NPL, Dr. Nandan Kumar, Managing Director- High Performance Textiles Pvt. Ltd. and Shri. K. K. Misra, Director & COO- Wool Research Association. This session focused on the Raw materials like conductive Threads and Fabrics used in Sportech, latest innovations & future opportunities in composites and Smart Technology in Sportswear. Following points were discussed during the conference:

- a. No Domestic manufacturing of high speciality fibers & yarns such as Nylon 66, Carbon, Aramid, UHMWPE fibers, etc. Their import duty is very high and landed costs in the range of 23-26%. It is recommended that - to reduce basic custom duty, duty drawback, etc.
- b. There is no mechanism exist in country to validate the properties & other specification data reported by various supplier from abroad. In this direction there need to established center of excellence for validation of technical textile properties data.
- c. Need to create Library of Technical Textiles where we can keep sample lot of ALL types of high-performance fibres/yarns/fabrics from various suppliers. This library can also support researchers/students to secure smaller quantity of fibres/ yarns/ fabrics for their research work.
- d. Need to have skilled labor force & training institutes as the technology upgrades.





**Speakers in Session 2**



**Speakers in Session 3**

#### TECHNICAL SESSION 4

The fourth session Focused on Design, Branding & Quality in the Value Chain, which was moderated by Shri. Anjani Kumar Prasad, M.D & Head Business, Archroma India Pvt. Ltd. The eminent panelists were- Smt. Roop Rashi, Textile Commissioner- Ministry of Textiles, Shri. A. Sunil Kumar, Director- Techno Sportswear Pvt. Ltd., Dr. Ketan Kumar Vadodaria, Associate Senior Faculty- National Institute of Design, Ahmedabad, Dr. V. Senthil Kumar, Associate Professor- National Institute of Fashion Technology, Delhi, Shri. Mayur Katiyar, Scientist B- Textiles, Bureau of Indian Standards (BIS) and Dr. Mrinal Choudhari, Joint Director- Wool Research Association. Panel members addressed the problems for availing latest technology for manufacturing sportswear, Sustainable solutions to the specific issues & concerns, Challenges faced in supply chain management, Quality standards & Certification required for QCO of sportswear. Key points discussed during conference:

- To develop core courses in institute & academics on the design aspect of sportswear, swimwear, ski suits, etc.
- Need to have a portal/ website for communicating the latest innovation & patents to industry, institute & research students & Govt.
- Prohibition of textile chemicals mentioned in the

Restricted substance list.

d. Promote sustainable and circular practices in sports textile industry.

e. To update and prepare the new IS standards for all Sportech products for wider use and also adoption under Quality Control Order.

f. To increase the exports of Sports textiles to developed markets.

g. Need to achieve scale, size, better quality products at reasonable price in Sports textiles.

Finally, the conference was concluded by giving Vote of Thanks by Shri. Avinash Misar, Vice Chairman, ITTA. He specially thanked all the eminent panelists pointing out the



**Shri. Avinash Misar, Vice-chairman, ITTA concluding vote of thanks**

important needs and issues of Sportech Industry and for making excellent presentations.



**Smt. Roop Rashi, Textile Commissioner as panelist**



**Speakers in Session 4**

## RELEASE OF TWO BOOKS BY HMOS

Smt. Darshana Jardosh along with the Smt. Rachna Shah and Shri. Rajeev Saxena released Two Books titled "CONCLAVE BOOKLET" prepared by ITTA and "LOOM TO PODIUM-UNLEASHING TECHNICAL TEXTILES IN SPORTS" prepared by Invest India during the conference.



*Conclave Booklet*



*Loom to Podium Booklet*

## INTERACTIVE SESSION WITH HMOS AND INDUSTRY

Interactive Session with Industry/ Federation was moderated by Shri. Rajeev Saxena, JS, MoT and Shri. Amit Agarwal, Chairman, ITTA. Shri. N. Mohan, Director, Kothari Industrial Corp. Ltd. gave a Technical Presentation during the session. In this special interactive session, Smt. Darshana Jardosh, HMoS & Smt. Rachna Shah, Secretary Textiles, MoT actively discussed and answered the questions raised by the industry representatives and other delegates.

- Consider a Special Schemes & Policies or Incentives for encouraging production and export of Sporttech products.
- Need of Advancements in smart textile technologies.
- To help young entrepreneurs with the investment in R&D projects.
- Collaboration and Expansion with industry leaders will be key drivers of growth in the future.
- Strategize & work on Brand development

initiatives - To create Global Brands of Sportswear, Footwear, etc. from India.

f. Introduce focused course on Sports Textiles covering its applications in addition to technical information. The courses to be included in Graduate & Post-Graduate levels.

g. Conduct joint promotion and training with institutions involved in activities for sports.

h. Supplying quality products to all major tournaments like FIFA, US Open, etc. and major challenges faced in this are high end testing equipment's which are not available in India.

i. Promoting awareness, adoption & usage of Sports Textiles to the end consumer.

j. Road shows to be organised in G2G level with industry participation funded by Govt.

## HIGHLIGHTS OF THE EXHIBITION

The exhibition was an integral part of the Conclave to display the latest products innovations & technology developments from the leading Sporttech manufacturers. In the Exhibition, the following Sporttech products were displayed - Sport jersey, Socks, Sport shoes & its components, Speciality Coated & Laminated Fabrics, Sports Composites such as Badminton & Tennis Rackets, Golf Sticks, Bow & Arrows and Kayak double paddle blade, Skates made of Carbon fiber, protective equipments for cricket like leg guards, batting gloves, thigh pads, helmets, etc., Sport nets, Helmets, Sports string High Speciality Filaments & Yarns - Aramid, Nylon, Carbon, Glass, etc., Carbon fabric, , Hi-visibility clothing, Extreme cold & Inherent FR fabrics. It was a unique opportunity for the Exhibitors who were already the existing manufacturers/suppliers of these products or the new entrants to this business to display their products and the directly interact with the Buyers. Following 16 Exhibitors participated in the exhibition and showcased their Sporttech products.

### List of Exhibitors:

Company Name	
Arrow Garments	Asteride Technologies Pvt. Ltd.
Century Enka Ltd.	High Performance Textiles Pvt. Ltd.
Hudle	Indian Technical Textile Association (ITTA)
Nitpro Composites	P.A.R.K Nonwovens Pvt. Ltd.
Positex Pvt. Ltd.	Sanathan Textiles Ltd.
Shingora Textiles Ltd.	Swatric Pvt. Ltd.
Techno Sportswear Pvt. Ltd.	Tex Links
Unifab Industries	Wool Research Association (WRA)



## GLIMPSES OF EXHIBITION



# EXPORT-IMPORT PERFORMANCE OF TECHNICAL TEXTILE PRODUCTS OF MARCH 2023

(ITTA Analysis on Ministry of Commerce and Industry Data)

The data on export and import of 259 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	Mar 2022	Mar 2023	% Growth	Apr'21-Mar'22	Apr'22-Mar'23	% Growth
1	Agrotech	82	88	8%	737	855	16%
2	Buildtech	99	92	-7%	900	937	4%
3	Clothtech	33	31	-5%	325	306	-6%
4	Geotech	238	164	-31%	2490	1451	-42%
5	Homotech	25	21	-17%	257	233	-9%
6	Indutech	258	245	-5%	2509	2606	4%
7	Meditech	175	238	36%	1758	2694	53%
8	Mobiltech	216	250	16%	2066	2519	22%
9	Packtech	717	602	-16%	8242	7568	-8%
10	Protech	108	69	-36%	566	738	30%
11	Sportech	105	106	0%	982	1118	14%
12	Nonwovens	150	133	-11%	1686	1326	-21%
13	Speciality Fibres	37	34	-7%	312	384	23%
14	Composites	0	16	0	0	175	0
	<b>GRAND TOTAL</b>	<b>2243</b>	<b>2089</b>	<b>-7%</b>	<b>22830</b>	<b>22910</b>	<b>0%</b>

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

Figure 1 - Yearly Trend of Export Performance

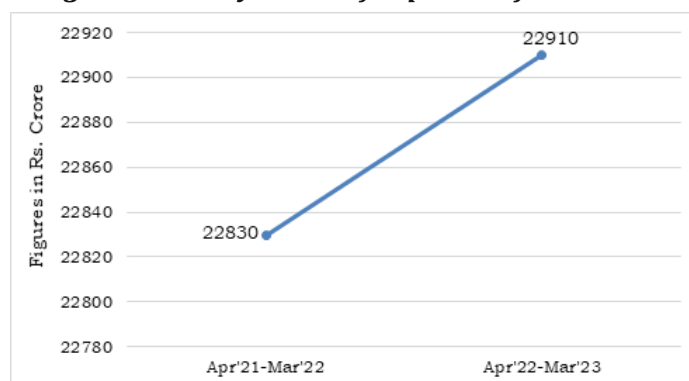
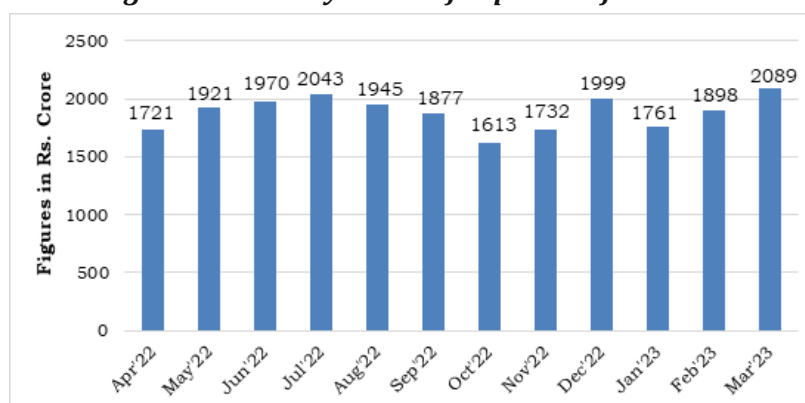


Figure 2 - Monthly Trend of Export Performance



There was a dip in the above export figures from December 2022 to January 2023, then the export had shown a slight increase from February to March 2023.

### Top Ten Exported Products in Month of Mar'23 -

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	63053200	Flexible Intermediate Bulk Containers (FIBC)	562
2	59039090	Other fabric plated, laminated, coated, impregnated with other plastics	118
3	56074900	Other cordage of Polyethylene/ Polypropylene	77
4	84212300	Oil or petrol-filters for internal combustion engines	70
5	87089500	Safety airbags with inflater system	68
6	59031090	Other Fabrics impregnated, laminated, plated, and coated with PVC	65
7	40151200	Gloves, mittens & mitts used for medical, surgical, dental or veterinary purposes	60
8	40093100	Tubes, Pipes and Hoses of Vulcanised Rubber Reinforced/ Otherwise combined only with Textile Materials without fittings	55
9	56031200	Nonwovens of MMF: Weighing > 25 gsm but not > 70 gsm	54
10	59029010	Other Tyre cord fabric impregnated with rubber	48

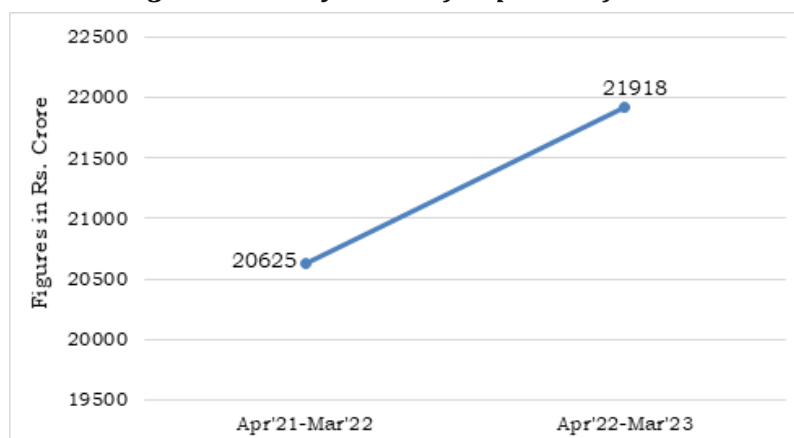
### B. IMPORT PERFORMANCE

(Value in INR Cr.)

Sr. No.	Segments	Mar 2022	Mar 2023	% Growth	Apr'21-Mar'22	Apr'22-Mar'23	% Growth
1	Agrotech	34	30	-9%	441	390	-11%
2	Buildtech	154	156	1%	1793	2218	24%
3	Clothtech	25	23	-8%	322	326	1%
4	Geotech	179	102	-43%	1864	1374	-26%
5	Hometech	40	26	-36%	397	386	-3%
6	Indutech	363	296	-18%	3338	3407	2%
7	Meditech	100	121	21%	1226	1505	23%
8	Mobiltech	556	515	-7%	6014	5910	-2%
9	Packtech	60	71	19%	636	658	3%
10	Protech	36	38	4%	515	608	18%
11	Sportech	33	41	24%	349	587	68%
12	Nonwovens	191	174	-9%	2196	2132	-3%
13	Speciality Fibres	156	197	26%	1534	2227	45%
14	Composites	0	19	0	0	190	0
	<b>GRAND TOTAL</b>	<b>1927</b>	<b>1809</b>	<b>-6%</b>	<b>20625</b>	<b>21918</b>	<b>6%</b>

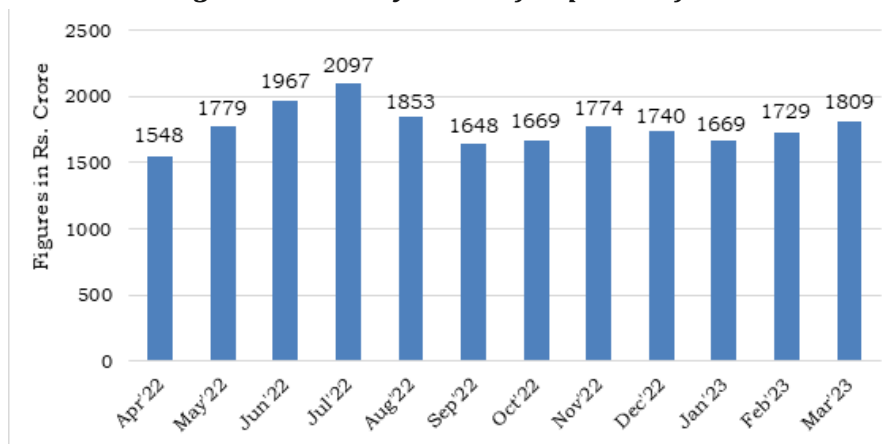
Data Source: ITTA Analysis on Ministry of Commerce and Industry (at 8 digit level of HSN Codes)

Figure 3 - Yearly Trend of Import Performance





**Figure 4 - Monthly Trend of Import Performance**



import of TT products has registered a decrease in month of December 2022, then the import had shown a marginally increase from January to March 2023.

**Top Ten Imported Products in Month of Mar'23 -**

SR. NO.	HSN CODES	PRODUCT NAMES	VALUES (IN CR.)
1	87089500	Safety airbags with inflater system	160
2	84212300	Oil or petrol-filters for internal combustion engines	78
3	59021090	Other Tyre cord fabric of nylon or other polyamides	72
4	54022090	Other high tenacity yarn of Nylon or other Polyester (Textured Yarns)	72
5	70191200	Glass Rovings	70
6	59039090	Other fabric plated, laminated, coated & impregnated with other Plastics	69
7	59032090	Other fabrics impregnated, laminated, plated, and coated with Polyurethane	62
8	59031090	Other Fabrics impregnated, laminated, plated, and coated with PVC	60
9	70191100	Chopped Strands of Glass fibres of a length not more than 50 mm	58
10	68151100	Carbon fibres	53



**ITTA SUPPORTS THE INTERNATIONAL COMPOSITES SUMMIT (ICS), UK**

ICS is the UK's only exhibition focused solely on the global composites market. This two-day event, organised by Composites UK Trade Association and The Fluency Business Group, will be at the Marshall Arena, Milton Keynes, 6th - 7th September 2023.

ICS brings together leading industry professionals to address the worldwide opportunities for sales and growth within the composites sector, needed to help deliver the climate change targets set out in each nation's green agenda. It will give opportunity to learn the latest innovations from global market leaders and start-ups, discuss research and development opportunities with academics and scientists who specialise in composites and advanced materials, and network with industry peers.

India is an emerging market of composites and it is growing very fast. Many ITTA members are in the business of manufacturing & servicing the composites industry. ITTA members can take advantage of participating & visiting the Exhibition & explore business opportunity on composites.

Website: [www.internationalcompositessummit.com](http://www.internationalcompositessummit.com)

## OBEETEE TEXTILES PVT. LTD.

### TWE Group, Obeetee Textiles Form Joint Venture in India

TWE Group, Germany and Obeetee Textiles (OTL) have announced a strategic joint venture in which TWE and OTL, a leading manufacturer of nonwoven textiles in India, have entered into a 50:50 partnership. This joint venture will be named TWE OBT Private Limited.

In this collaboration, TWE has acquired a 50% shareholding in OTL, embarking on a partnership and setting the stage for growth in the Indian nonwovens market. TWE is well known globally for its nonwoven products in the Health & Hygiene segment with customers in India. The JV will be investing into setting up a new manufacturing facility to manufacture nonwoven products for the Health and Hygiene sector and will be driving growth and market expansion into this fast-growing segment.

The joint venture represents an equal partnership between TWE and OTL, with each company holding a 50% stake. This equity structure ensures a balanced and collaborative approach, leveraging the strengths and resources of both organizations. TWE Group has invested cash into the existing business for the 50% holding in the joint venture.

The strategic alliance brings together the industry expertise, market knowledge, and technical capabilities of both TWE and OTL. This synergy will drive innovation, efficiency, and competitiveness, enabling the joint venture to deliver exceptional value to customers. OTL is already a key player in the nonwoven segment in India, particularly the Automotive segment with strategic customer alliances with key OEMs. TWE is well known globally for its nonwoven products across Healthcare, Hygiene, Automotive, Filtration, Building, Living and Cleaning.

The joint venture unlocks new growth opportunities by combining the market reach and customer bases of both companies. This expanded footprint will enable the joint venture to access untapped markets, diversify revenue streams, and forge stronger relationships with customers in India and neighboring countries.

As equal partners, TWE and OTL will collaborate



closely on strategic decision-making and operational matters. The shared governance structure will ensure that both parties have an equal say in shaping the direction and objectives of the joint venture.

The collaboration will enable the efficient allocation of resources, sharing of best practices, and the realization of synergies between TWE and OTL. This will optimize operational efficiencies, enhance productivity, and drive sustainable profitable long-term growth.

The joint venture remains committed to providing exceptional customer experiences in India. By leveraging the combined capabilities and expertise of TWE and OTL, the joint venture will offer a broader range of innovative products, services, and solutions that meet the evolving needs of customers.

Shri. Jörg Ortmeier, group CEO TWE, says: "We are thrilled to announce this significant milestone in our journey, as TWE enters into a 50:50 joint venture with OTL. This partnership brings together our shared vision, complementary strengths, and extensive industry knowledge. We are confident that the joint venture will unlock new opportunities, drive innovation, and create long-term value for our customers and stakeholders."

Shri. Rudra Chatterjee, chairman OTL, adds: "The joint venture with TWE marks an important chapter for OTL. This partnership combines TWE know how, OTL's operational experience to deliver enhanced solutions value to our customers. Together, we are committed to building a successful and sustainable joint venture that will drive growth and set new industry standards."

## CANDOUR TECHTEX LTD.

### Candour Tectex installs coating and lamination line from Amba Projex

With its 2 m wide new coating and lamination unit now in full operation, Candour Tectex has ordered a second Amba Projex machine, with a wider working width of 3.5 m. At its existing plant in Ankleshwar, India, Candour Tectex Ltd., Mumbai, India, produces an annual 1.2 million metres of light velvet fabrics mainly for the domestic market for apparel and light home furnishings. In 2020 it also began operations at a plastic molded components division in Gonde, India, with a capacity of 4,500 tons/year. Candour will be working closely with Amba Projex, UK for the next 5 years, to establish an Indian technical textiles powerhouse.

In particular, the new system enables blackout fabrics to be produced efficiently and at scale. Blackout fabrics are installed in rooms where complete light shielding is required, such as in public institutions like hospitals, and retirement homes, in hotels and conference rooms, and also in the home, especially in bedrooms.

They obtain their light impermeability by a special 3-layer blackout coating which works on textiles of all colors. Only the middle layer of the 3 coatings needs to be black for obtaining the necessary light absorption. The fabrics are usually also treated for permanent flame-retardancy, and also with water or stain-repellent finishes. In addition to locking out



light and providing maximum privacy, blackout curtains also help to insulate a home and reduce energy costs, as well as protecting furniture and carpets from fading due to sunlight exposure.

“The future for the technical textile industry in India is very positive with increasingly strong consumption rates in the domestic market, as well as a growing demand for exports,” says Managing Director J R Mehta, Candour Tectex. “Currently a lot of coated and laminated technical textiles are being imported to India so we see big potential in manufacturing them here, but we also have a competitive advantage in exports, and Amba is assisting us in identifying these market opportunities.”



#### 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.



## 1. ENGAGEMENTS WITH CENTRAL & STATE GOVERNMENTS

### 1.1. Meeting to discuss on skilling requirements in Technical

The meeting to discuss on the findings and recommendations of the Committee for identification of skilling requirements for skilling 200K in Technical Textiles by 2025 was held on 22.06.2023 under the chairmanship of Shri. Rajeev Saxena, Joint Secretary, Ministry of Textiles in Virtual mode. As the member of committee, Dr. Anup Rakshit, ED, ITTA attended the meeting and given his inputs.

Following key points were discussed in the meeting --

1. Assigning Nodal Agency for implementation of

skilling having existing models - e.g., Models of CSDC/PARFI for Buildtech, Geotech, Mobiltech, Oekotex, AI, etc and Krishi Kalyan Model on Agrotexiles.

2. Creation of dashboard for quantifying skilled professionals with assigned input agencies.
3. Media announcement by PMO/MoT for skilling 200K on technical textiles.
4. JS suggested to prepare a short-term action plan to start with and target of 2000+ professionals and try to implement in a time bound manner.

## DEVELOPMENT OF INDIAN STANDARDS ON TECHNICAL TEXTILES

### 1. BIS Sectional Committee Meetings

#### 1.1 Technical Textiles for Agrotech Sectional Committee, TXD 35

The 19th Meeting of Technical Textiles for Agrotech Sectional Committee, TXD 35 was held through VC on 17.04.2023. The meeting was attended by Dr. Anup Rakshit, ED and Ms. Ruchita Gupta, Technical Manager from ITTA Secretariat and other Committee Members from ITTA.

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

1. Shri. J. K. Gupta informed the committee about 22 Agrotexile products are proposed to be brought under mandatory BIS certification is being considered by MoT on an urgent basis.
2. **Ready for Publication** - Following Indian Standards are finalized for publication - i) IS 16008 (Part 1 & 2) Shade nets made from tape yarns & mono filament yarns, ii) IS 17730 (Part 1 & 2) Warp Knitted Hail Protection Nets & Woven Hail Protection Nets, iii) Knotted Bird Protection Nets, iv) Knitted Bird Protection Nets and v) Extruded Bird Protection Nets.

#### 1.2 Textiles Protective Clothing Sectional Committee, TXD 32

The 17th Meeting of Textiles Protective Clothing Sectional Committee, TXD 32 was held through VC on 29.05.2023. The meeting was attended by the Members from ITTA i.e., Aeronav Industrial Safety Appliances, Arvind Ltd., E.I. Dupont India Pvt. Ltd., Kusumgar Corporates Pvt. Ltd., Star Safety Hub, System 5S Pvt. Ltd. & Welspun India Ltd.

Following points were discussed & decided in the meeting --

1. **Ready for Publication** - Following Indian Standard is finalized for publication - i) IS 17051 Bullet Resistant Jackets.
2. **Wide Circulation** - Draft on Handloom cotton mosquito netting.
3. BIS will prepare a revised draft stds for Cotton mosquito netting, square mesh and Code of practice for maintenance and care of industrial safety clothing.

## MoT clears 20 R&D Projects worth Rs 61.09 Crores under NTTM



Union Minister of Textiles, Commerce and Industry and Consumer Affairs, Food and Public Distribution, Shri Piyush Goyal said that international benchmarking, deliberations with the industry and demand assessment are critical to identify high value & high-volume potential products to catalyze research and innovation in Technical Textiles in India. He said this while chairing the 6th Mission Steering Group (MSG) meeting of the National Technical Textiles Mission (NTTM) in New Delhi on 8th June 2023.

Ministry of Textiles (MoT) approved 20 R&D projects worth INR 61.09 crores across key strategic areas of Geotech, Protech, Indutech, Sustainable Textiles, Sportech, Buildtech segments and Specialty Fibres (Carbon Fibre and Ultra High Molecular Weight Poly Ethylene) during the 6th MSG meeting. Among these 20 R&D projects, 3 Projects from Geotech, 6 of Protech, 1 Indutech, 1 Sportech, 2 Sustainable Textiles, 2 Buildtech, 2 Carbon Fibres, 2 Specialty/Functional Fibre and 1 Ultra High Molecular Weight Poly Ethylene (UHMWPE) were approved.

While addressing the meeting, Shri. Goyal said that it is necessary to identify the areas where high strength lightweight Technical Textiles could be used as an alternative material in automobile, aviation, infrastructure and medical sectors for enhancing efficiency, advancement and sustainability. He noted that massive outreach exercise is the need of the hour to attract more R&D proposals in the priority areas under NTTM wherein MoT, Ministry of Science and Technology and MoC&I

may collaborate.

Shri. Goyal also said that private engineering colleges of good repute to be encouraged to work together with Textile Research Associations (TRAs) or reputed Government institutes for wider awareness, benefits and optimal utilization of NTTM Scheme and foster research & innovation ecosystem across India.

He reviewed the progress of Component-II of NTTM - Promotion & Market Development, including events conducted so far such as 10th Edition of Technotex 2023 in Mumbai with FICCI held between 22nd - 24th Feb 2023, GEOTEX: National Conference on Geo-Textiles - PM, GATI Shakti Scheme in Delhi with CII on 24th March 2023, Technical Textiles: Exploring Growth Opportunities in Hometech and Clothtech under Chintan Shivir - 'Saurashtra Tamil Sangamam' at Rajkot on 21st April 2023 and National Conclave on Sportech: The Future of Sport Textiles and Accessories Industry in India in Delhi with ITTA on 2nd June 2023.

Shri. Goyal also reviewed the inter-ministerial exercise conducted under NTTM for Mandation/Adoption of different Technical Textiles items and meetings held with the Ministry of Railways and Ministry of Defence for enhancing usage of Technical Textiles. QCOs for 31 Technical Textiles - 19 Geotextiles & 12 Protective Textiles issued on 10th April 2023.

[Source - <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1930879>]



## Union Textiles Minister commends the industry for enthusiasm in setting up & expanding businesses in PM MITRA Parks



Union Minister of Textiles, Commerce and Industry and Consumer Affairs, Food & Public Distribution, Shri. Piyush Goyal commended the industry for their enthusiasm to set up and expand businesses in the PM MITRA Parks. Chairing the Industry Interaction on 'Investment Opportunities in the Textiles Industry under PM MITRA Scheme' on 20.06.2023 in New Delhi, he strongly urged the industry to collaborate and partner for Research and Development (R&D) and innovation to jointly achieve greater strides in the sector.

Shri Goyal praised the exemplary initiatives taken by the 7 state Governments, namely, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Telangana, Tamil Nadu and Uttar Pradesh, in providing a thriving ecosystem for textiles manufacturing. He further encouraged the industry to take benefit from the existing attractive schemes of the MoT, including the NTTM and Scheme for Capacity Building in Textile Sector (Samarth).

He also suggested setting up a dedicated Invest India desk in the Ministry of Textiles to assist and handhold investors looking to set up or expand their manufacturing base to meet increasing global demand in the sector. Shri Piyush Goyal released a PM MITRA Brochure prepared by the Textile Team of Invest India during the event.

Ms. Rachna Shah, Secretary Textiles and senior officials from the Ministry and State Govt. of the 7 shortlisted states under PM MITRA scheme held wide-ranging discussions with the industry. During

the first session chaired by Secretary Textiles, senior Government official from each selected State Govt. showcased the strengths of the respective State in the textiles sector with a special focus on infrastructure & connectivity, scheme benefits & incentives and basic utilities provided besides initiatives for an industry friendly ecosystem to attract investments in the upcoming PM MITRA parks. This session was followed by an exclusive industry interaction session chaired by Shri. Piyush Goyal with participation of senior leadership from 80+ prominent textiles companies besides infrastructure developers, banks, and international organizations such as the United Nations Industrial Development Organization (UNIDO).

The industry interaction revolved around the themes of Sustainability, introduction of R&D centres and making upcoming factories in the PM MITRA, ESG (environmental, social and governance) compliant and ensuring value added products are manufactured in the upcoming parks. He emphasized the need for phase-by-phase development of these parks for efficient utilization of resources and better integration of the textile value chain. It was suggested that two 5 member Action Teams be set up to study ESG norms and model park design in line with global leading practices for upcoming units in the PM MITRA parks.

*[Source - <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1934249>]*

## Standards lay down benchmark for quality and ensure high-quality products for all the consumers: DG, BIS



Director General, Bureau of Indian Standards (BIS), Shri. Pramod Kumar Tiwari said that standards lay down the benchmark for quality, thereby ensuring the availability of high-quality products for all the consumers. Addressing the media in New Delhi on 19.06.2023, Shri. Tiwari highlighted the importance of the Quality Control Orders (QCOs) issued recently by the GoI for footwear and other products

DG, BIS said that QCO for the 24 footwear products covered under the Footwear made from leather and other materials and Footwear made from all polymeric and all rubber materials shall be implemented from 1st July 2023 and thereafter, a BIS Licence would be mandatory for the manufacturing, importing or selling of products under these QCOs. However, for 5 standards, which were revised recently, manufacturers, according to the revised specifications, shall be given a further six months' time up to 1st January 2024 to comply.

Shri. Tiwari said that the standards for footwear products are developed in consultation with trade and industry bodies, consumer organisations, and representatives of various other concerned stakeholder groups to ensure quality and authenticity.

He also informed that test facilities have been created in two BIS labs, two Footwear Design & Development Institute (FDDI) Labs and Central Leather Research Institute (CLRI), while 11 private labs have been recognised for testing footwear. Notably, the Govt. recently announced an 80% cut on testing charges for footwear products under the QCOs for the certified start-ups and micro industrial units.

DG, BIS also mentioned that the MoT had issued the Geo Textiles (Quality Control) Order, 2023, and Protective Textiles (Quality Control) Order, 2023, on 10th April 2023. He said that 19 Geo Textile products and 12 Protective Textile products are being brought under compulsory BIS certification w.e.f. 10th October 2023.

Shri. Tiwari stressed that the 'Public Call Facility', the latest initiative of BIS, is a proactive measure of BIS to make the process of standardisation more inclusive. He said that modern communication technologies are being leveraged to invite viewpoints, feedback, suggestions, etc., from all the stakeholders. For this purpose, a virtual interaction platform has been created that will be open on all working days from 10:00-11:00 AM. Any person can join the 'Public Call Facility' through the VC Link - <https://tinyurl.com/PublicCF>.

While discussing BIS's initiatives, Shri. Tiwari further informed that BIS has recently launched the Manak Rath, an online exchange forum for mentors and students of Standards Clubs. The initiative aims to nurture students as brand ambassadors of quality. The Manak Rath will be used to organise quiz, standard writing, and other competitions on science and quality subjects for the Standards Clubs students.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=1933517>]



## India is pioneering sustainable textiles contributing to lesser carbon footprint and promoting circular economy: Union Textile Minister



Union Minister of Textiles, Commerce and Industry and Consumer Affairs, Food and Public Distribution, Shri. Piyush Goyal said that India is pioneering sustainable textiles contributing to lesser carbon footprint and promoting circular economy. He said that the Indian textile industry has made a mark in the world with its innovative and attractive products during his address at the inaugural function of the 69th India International Garment Fair (IIGF) at Greater Noida, Uttar Pradesh on 26.06.2023.

He highlighted that the PM MITRA Park are being established across 7 states of the country with the objective of promoting India's textile sector in a significant manner. Shri. Goyal said that PM MITRA Parks will lead to reduction of logistic costs due to cluster-based approach of manufacturing and production of quality products with appropriate testing facilities. He also said that the locational advantages of the PM MITRA Parks will help the units in these Parks to cater well to domestic demand as well as the exports.

Shri Goyal emphasized that our countrymen deserve the best quality of garments and this should be ensured by all the stakeholders. He encouraged the industry to focus on quality and test their products to comply with quality standards. He also motivated the youth to innovate and develop new technologies to facilitate production of better-quality products. He said that the IIGF must focus on enhancing quality and professionalism in the textile sector.

Shri. Goyal said that India is actively considering the possibility of Comprehensive Economic Partnership Agreements (CEPAs) and Free Trade Agreements (FTAs) with various countries. He said that these agreements aim to enhance the market size and facilitate exporters in the thriving Indian textile sector. He said that by entering into these agreements, India aims to tap into new markets, increase exports, and create opportunities for growth in the textile industry.

[Source - <https://pib.gov.in/PressReleasePage>.



A textile and apparel industry, located in the Hanumakonda district, of Telangana has been able to treat its textile wastewater at a very reasonable cost. Thanks to an energy-efficient and eco-friendly technology developed using biosurfactants and membrane technology.

Textile effluent is heavily contaminated with pollutants such as dyes, dissolved solids, suspended solids and toxic metals and there is a need for robust, efficient technologies to treat such effluent before they are discharged into the environment.

NIT Warangal along with Prime Textiles, Rampur located in Kakatiya Mega Textile Park (KMTP), with support from IMPRINT, a joint effort of MoE and SERB, developed a pilot-scale textile effluent treatment plant using biosurfactants (BS), cavitation (a process in which pressure variations in a liquid can in a short period of time cause countless small cavities to form and then implode--C), and membrane (M) technology.

Initially, the scientists Prof. Shirish H. Sonawane, NIT Warangal, Dr. Murali Mohan Seepana, NIT Warangal, Dr. Ajey Kumar Patel, NIT Warangal and Dr. Mousumi Debnath, Manipal University Jaipur (MUJ) developed individual systems at the laboratories and the process parameters were optimized. The biosurfactant to be used in Moving Bed Biofilm Reactor (MBBR) was extracted from microorganisms isolated from textile effluent and textile effluent contaminated soil by MUJ. The use of BS in MBBR helped in dye removal and was effective in reducing operational time and cost (with respect to other biological treatment methods). Cavitation (C), an advanced oxidation process (AOP), aided in reducing installation cost as well as reducing carbon footprint.

The ability of the technology to generate oxidizing radicals in-situ, significantly reduced the reliance on external oxidizing agents. On the other hand, modifying the membrane (M) surface using boehmite sol synthesized using sol-gel process, decreased the pore size from micro-scale to nano-scale and led to a significant improvement in its

performance. After optimizing individual systems, a pilot-scale setup has been set up at the Prime Textiles premises.

The sequence of events that takes place in the pilot plant plays an important role in the treatment process of the effluent. The coagulation removes turbidity caused by suspended solids by destabilizing the charges of the particles using a chemical coagulant. The biofilm grown on MBBR reduces the heavy metal content, degrades the biodegradable pollutants while the cavitation phenomenon destroys all types of pollutants, resulting in the in-situ generation of radicals, and energy which are responsible for the pollutant degradation. Finally, surface modified membrane separates all the pollutants present in the wastewater. With this sequence, the pilot plant of 200 Litres Per Day capacity removes pollutants and the treated water can be utilized for agricultural activities, and cleaning purposes.

This joint effort has led to the transfer of technology and two patents. The technology offers a sustainable solution for the textile effluent from KMTP, converting the toxic wastewater to irrigation source for the nearby agricultural areas and holds immense potential for replacing existing secondary treatment plants due to its lower installation cost and lesser carbon footprint.

[Source - <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1934582>]



### **ITTA SIGNED MOU WITH TAIWAN TECHNICAL TEXTILE ASSOCIATION (TTTA)**

Taiwan Technical Textiles association (TTTA) is the leading technical textile association in Taiwan, having membership consists of cross field manufacturers, distributors, industry groups, R&D units and academic experts. At present TTTA have over 200 members. The objective of MOU is:-

1. To jointly organise International workshop, seminar or symposium for technical textile companies of both the countries.
2. To jointly promote development of product/testing standards.
3. To support major events of Technical Textiles/ Nonwovens and related Industries organized by ITTA and TTTA.

## *MEDITECH - Sustainable Medical Scrubs & Plant-based Diapers and Wipes*

### Medical Scrubs from recycled fabric for healthcare pros

Taara, an American online retailer of upscale medical scrubs, has launched high-quality, sustainable medical scrubs designed to meet the needs of healthcare professionals. The scrubs are made of recycled material-sourced bluesign approved fabric that meets the criteria of OEKO-TEX standards.

The scrub line features various styles, colours, and sizes that provide luxurious comfort, seam detailing, four-way stretch, fluid repellency, multiple pockets, and utility loops for medical professional tools.

The new line of upscale medical scrubs is designed with environmentally friendly, fluorine-free latest

technology that provides durable water repellency and stain release properties to fabric, while

maintaining breathability and softness of the scrubs. The brand promises maximum comfort and best fit, so that healthcare professionals can focus on providing the best care to their patients while also making them look and feel good.

[Source - <https://www.technicaltextile.net/news/us-taara-launches-scrubs-from-recycled-fabric-for-healthcare-pros-288455.html>]



### Baby Diapers, Wipes made of plant-based fibers

Baby and children's products distributor, Regal Lager, Atlanta announced that it is now distributing New Zealand based Terra's premium plant-based diapers and wipes in the U.S. and Canada. Terra Diapers and Training Pants are made from 85% plant-based materials and boast 360-degree absorbency, instant dryness, and 12+ hours of protection against wetness. In addition, Terra plant-based diapers are dermatologically tested, help prevent diaper rash, feature skin-loving natural fibers, and have a non-toxic wetness indicator, so no

chemicals are used to detect wetness. They contain 0% chlorine, fragrance, latex, parabens, phthalates, and bleach and use food-safe ink on product and the recyclable paper packaging thereby creating an eco-diaper that actually works.

The diaper and training pants' backsheet are made from 100% bamboo fiber (which is very different than bamboo viscose); the 100% USA natural wood pulp is FSC certified; and the PLA water resistant sheet is made using non-GMO, sustainable corn





starch, which doesn't leak but does let heat out to create a cool, dry environment that reduces diaper rash and irritation.

Terra's eco-friendly wipes are made from 100% biodegradable FSC-certified bamboo fiber (not bamboo viscose) and 99.5+% pure New Zealand water. They contain 0% plastic, chemicals,

fragrance, or optical brighteners and are made from a textured, cross-woven fabric for extra durability.

[Source - [https://www.nonwovens-industry.com/contents/view\\_breaking-news/2023-06-08/terra-baby-diapers-wipes-launch-in-us-and-canada/](https://www.nonwovens-industry.com/contents/view_breaking-news/2023-06-08/terra-baby-diapers-wipes-launch-in-us-and-canada/)]

## ***MACHINERY - Spunlace line for Nonwovens from natural fibres***

### **New Spunlace pilot line for natural and recycled fibers**

Austria-based international technology group Andritz has amplified its nonwoven production capabilities by installing a new spunlace pilot line at its competence centre in Montbonnot, France. This development opens up opportunities for customers and partners to conduct trials for fabricating nonwovens from recycled materials and natural fibres such as hemp, flax, and cotton. This innovative pilot line has been designed to optimise web forming and entanglement processes, ensuring smooth processing of irregular and sensitive fibres. It features a unique card set-up, designed to maintain fibre quality while achieving remarkable productivity rates, the company said in a press release.

An integral part of the pilot line is the Andritz Metris digitalisation system. This system enables

operators to collect and analyse valuable data regarding the line's performance and capacity. This tool is seen as a significant aid for cost optimisation, time saving, and predictive maintenance.

The Andritz Nonwoven team now operates two spunlace pilot lines at the Montbonnot technical centre. The first line is geared toward processing various synthetic and man-made fibres and employs optimised processes such as Wetlace.

[Source-<https://www.andritz.com/newsroom-en/nonwoven-and-textile/2023-06-13-new-card#:~:text=International%20technology%20group%20ANDRITZ%20has,hemp%2C%20flax%2C%20and%20cotton.>]

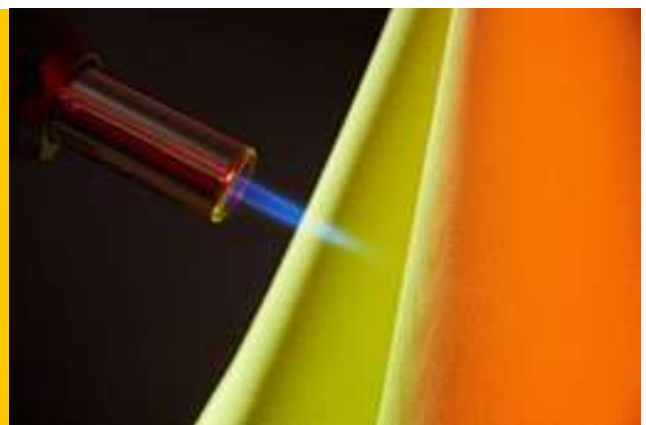
## ***PROTECH - Multifunctional Flame-retardant fabric***

### **Multifunctional flame-retardant fabric with comfort at its core**

Carrington Textiles based in England has developed Flamestat 250, a flame-retardant fabric with antistatic properties and is a product which main attribute is its lightweight features while

maintaining the company's usual high standard in protection and performance.

At a weight of 250gsm, and with high cotton content



in its composition, Flamestat 250 provides a soft handle for comfort to the wearer, while the polyester in it offers durability and strength. Flamestat 250 is the latest addition to the Flamestat family, industrially launderable and guaranteed to last the lifetime of the garment due to its robust construction. With 75% cotton, 24% polyester, 1% antistatic and having chemical flame retardant finish, this fabric's flame retardancy is to the standards EN ISO 11612, EN ISO 14116 index 3 and EN ISO 11611; while its antistatic properties are to the EN 1149-3-5 standard.

Available in a range of colours that include high

visibility yellow, black and navy, just to name a few, Flamestat 250 also provides electric arc and chemical splash protection to the EN 61482-1-2 and EN 13034 standards respectively.

Flamestat 250 is a perfect flame-retardant fabric with antistatic for workwear jackets, trousers and coveralls in industries that require protection against flash fire and electrostatic discharge like electric vehicle manufacturing, oil and gas as well as engineering.

[Source - <https://www.texdata.com/news/Textiles&Apparel-Garment/18795.html>]

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### Bank Details -

A/C. Name - INDIAN TECHNICAL TEXTILE ASSOCIATION  
Bank Name - Bank of Baroda,  
Chakala Branch, Mumbai - 400093.  
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Andheri-East, Mumbai 400059.  
Mob: 9769464616 Email: [info@ittaindia.org](mailto:info@ittaindia.org)

## NEW MEMBERS



### **YAMUNA MACHINE WORKS LTD., MAHARASHTRA**

Yamuna Machines are leading manufacturers of textile processing, coating & lamination machineries for woven, nonwoven & knitted fabrics, coating lines for carpets & thermobonding lines. Some of their products are hot air stenter, coating lines, jiggers, mangles, denim lines, lamination & printing m/cs, driers and many more. Their production capacity is 15-20 lines/year.

### **NEEMRANA FOODS PVT. LTD., DELHI**

Neemrana is a New Delhi based technical textile manufacturing company having inhouse facility for weaving, processing and testing fabrics. They have two coating lines from South Korea and China each, in 340 cm width. They produce blinds fabrics, coated fabrics, furnishing fabrics - 2.4 million metres/year and recently started manufacturing FR fabrics for furnishings and fabrics for sleeping bags.

### **PRIME BANOX, PUNJAB**

Prime Banox is a partnership firm have machinery such as sewing m/c, fabric cutter, strap cutting m/c, embossing m/c, computerized stitching m/c, splitting m/c, etc. They are manufacturing leather & clothing bags - 3 lac pcs. They are suppliers to NEXT Sourcing Ltd-UK, Monsoon Brand Ltd.- UK, Bestseller- Denmark, Tempe Inditex Trading- Spain and more.

### **VISION NON-WOVENS PVT. LTD., GUJARAT**

Vision Nonwovens are manufacturer of Nonwoven fabric specially for Hygiene and medical sector with having 5 Beam (SSMMS) Line. Their nonwoven fabrics are used to produce gowns, mask, drapes, diapers and sanitary napkins. Current production is about 350 MT/year.

### **VERSATILE ENTERPRISES PVT. LTD., PUNJAB**

Versatile Enterprises have been engaged in manufacturing laminated /coated fabrics since 1983. They have machineries such as hot melt lamination, adhesive lamination, scatter coating & lamination, hot air stenter, dyeing, raising m/c, shearing m/c, circular knitting & warp knitting m/cs. They have ZED Certification [Bronze] which is based on well-defined parameters of quality, safety, production, cleanliness, energy environment etc. They have products like bonded fabrics for interlinings, Mattress protector fabrics, Stuff toys fabrics, Fabrics for Orthopedic Belts, Menstrual underwear fabrics, waterproof and breathable fabrics for PPE suits, Baby underlay fabrics, Fabrics for High Altitude clothing, Fabrics for Sport Shoes, Athletic wear, shoe linings & Insoles.

### **JK TEXTBOND PVT. LTD., MAHARASHTRA**

J K TEXTBOND is the manufacturers in the field of Coated fabrics having inhouse coating facility upto 2.4 mtr width, GSM testing m/c based in Palghar near Mumbai, India. These coated fabrics are used for Indutech- gloves, machine covers, Meditech- PPE suit, face mask, apron, bed sheet, Packtech- backpack, luggage and Sportech- Active wear, jackets, tents.

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# TEXBOND



We Specialize in Manufacturing  
the very highest quality  
customized coated fabric such as  
PU, PVC, Acrylic, water repellent  
Fire retardant etc on Woven fabrics

## We Caters

Back Pack, Luggage  
Industrial Cover Fabric  
Artistic Canvas Fabric  
Rainwear, Umbrella  
High Visibility fabric etc.



## J K TEXBOND PVT. LTD.

Mfg. of : PU/PVC COATED WATERPROOF FABRICS

Off.: 123, Khyati Industrial Estate, Laxmi Nagar, Link Road, Goregaon (W), mumbai - 400 090.  
Email: [jktexbond.sales@gmail.com](mailto:jktexbond.sales@gmail.com) | [www.jktexbond.com](http://www.jktexbond.com)

DATES	EVENTS NAME	PLACE	WEBSITE
<b>DOMESTIC EVENTS</b>			
11-12 May 2023	<b>ICACMS 2023 (International Conference on Advanced Composite Materials and Structures)</b>	Chennai, India	<a href="https://icacms.in/">https://icacms.in/</a>
02 <sup>nd</sup> June 2023	<b>ITTA &amp; WRA JOINTLY - NATIONAL CONCLAVE ON SPORTECH - The Future of Sport Textiles and Accessories Industry in India</b>	Delhi, India	<a href="https://ittaindia.org/">https://ittaindia.org/</a>
04-05 July 2023	<b>CINC 2023 (Composites Industries National Conference)</b>	Ahmedabad, India	<a href="https://cecaasia.com/">https://cecaasia.com/</a>
04-07 July 2023	<b>HGH INDIA 2023 (Home Décor, Gifts &amp; Houseware)</b>	Mumbai, India	<a href="https://www.hghindia.com/">https://www.hghindia.com/</a>
06-07 July 2023	<b>OSH INDIA SOUTH</b>	Chennai, India	<a href="https://www.oshindia.com/">https://www.oshindia.com/</a>
06-08 July 2023	<b>HOMTEX (India International Home Textile Exhibition)</b>	New Delhi, India	<a href="https://textilefairsindia.com/homtex/">https://textilefairsindia.com/homtex/</a>
12-14 September 2023	<b>TECHTEXTIL INDIA 2023</b>	Mumbai, India	<a href="https://techtextil-india.in.messefrankfurt.com/mumbai/en.html">https://techtextil-india.in.messefrankfurt.com/mumbai/en.html</a>
28-30 September 2023	<b>9<sup>TH</sup> EDITION NONWOVEN TECH ASIA (International Exhibition &amp; Conference)</b>	Delhi, India	<a href="https://www.nonwoventechasia.com/">https://www.nonwoventechasia.com/</a>
18-20 October 2023	<b>WORLD OF CONCRETE 2023 EXPO</b>	Mumbai, India	<a href="https://www.woc-india.com/">https://www.woc-india.com/</a>
23-25 November 2023	<b>OSH INDIA</b>	Mumbai, India	<a href="https://www.oshindia.com/">https://www.oshindia.com/</a>
<b>INTERNATIONAL EVENTS</b>			
09-12 May 2023	<b>10<sup>th</sup> EUROPEAN CONFERENCE ON PROTECTIVE CLOTHING</b>	Arnhem, Netherlands	<a href="https://ecpc.nipv.nl">https://ecpc.nipv.nl</a>
10-12 May 2023	<b>TECHTEXTIL NORTH AMERICA</b>	Atlanta, Georgia	<a href="https://techtextil-north-america.us.messefrankfurt.com">https://techtextil-north-america.us.messefrankfurt.com</a>
04-06 June 2023	<b>OUTDOOR BY ISPO 2023</b>	Munich, Germany	<a href="https://www.ispo.com/en/outdoor">https://www.ispo.com/en/outdoor</a>
08-14 June 2023	<b>ITMA 2023</b>	Milan, Italy	<a href="https://itma.com/">https://itma.com/</a>
03-06 July 2023	<b>92<sup>nd</sup> TEXTILE INSTITUTE WORLD CONFERENCE (TIWC 2023)</b>	Huddersfield, UK	<a href="https://www.textileinstitute.org/events/tiwc/">https://www.textileinstitute.org/events/tiwc/</a>
17-20 July 2023	<b>WORLD OF WIPES (WOW) (International Conference)</b>	Atlanta, Georgia	<a href="https://www.worldofwipes.org/">https://www.worldofwipes.org/</a>
30 July-04 August 2023	<b>ICCM 2023 (International Conference on Composite Materials)</b>	Belfast, UK	<a href="https://iccm23.org">https://iccm23.org</a>
10-12 August 2023	<b>9<sup>TH</sup> FILTRATION &amp; SEPARATION ASIA (FSA) + 12<sup>TH</sup> CHINA INTERNATIONAL FILTRATION &amp; SEPARATION EXHIBITION</b>	Shanghai, China	<a href="https://en.fsa-expo.com/">https://en.fsa-expo.com/</a>
16-18 August 2023	<b>INTERTEXTILE SHANGHAI HOME TEXTILES AUTUMN EDITION</b>	Shanghai, China	<a href="https://intertextile-shanghai-hometextiles-autumn.hk.messefrankfurt.com/shanghai/en.html">https://intertextile-shanghai-hometextiles-autumn.hk.messefrankfurt.com/shanghai/en.html</a>
06-07 September 2023	<b>INTERNATIONAL COMPOSITES SUMMIT (ICS) (ITTA IS A SUPPORTING PARTNER)</b>	Milton Keynes, UK	<a href="https://www.internationalcompositessummit.com/">https://www.internationalcompositessummit.com/</a>
12-13 September 2023	<b>RESEARCH, INNOVATION AND SCIENCE FOR ENGINEERED FABRICS (RISE) 2023</b>	North Carolina, USA	<a href="https://www.riseconf.net/">https://www.riseconf.net/</a>
17-21 September 2023	<b>12<sup>th</sup> INTERNATIONAL CONFERENCE ON GEOSYNTHETICS (ICG)</b>	Roma, Italy	<a href="https://www.12icg-roma.org/">https://www.12icg-roma.org/</a>
19-21 September 2023	<b>CINTE TECHTEXTIL CHINA</b>	Shanghai, China	<a href="https://cinte-techtextil-china.hk.messefrankfurt.com/shanghai/en.html">https://cinte-techtextil-china.hk.messefrankfurt.com/shanghai/en.html</a>

DATES	EVENTS NAME	PLACE	WEBSITE
10-12 October 2023	<b>FILTXPO</b>	Chicago, USA	<a href="https://www.filtxpo.com">https://www.filtxpo.com</a>
18-20 October 2023	<b>OUTLOOK 2023</b>	Algarve, Portugal	<a href="https://www.edana.org/events/outlook/outlook-2023">https://www.edana.org/events/outlook/outlook-2023</a>
24-27 October 2023	<b>A+A 2023</b>	Germany	<a href="https://www.aplusa-online.com/">https://www.aplusa-online.com/</a>
01-03 November 2023	<b>ADVANCED TEXTILES EXPO 2023</b>	Orlando, USA	<a href="https://advancedtextilesexpo.com/">https://advancedtextilesexpo.com/</a>
08-10 November 2023	<b>20<sup>TH</sup> SHANGHAI INTERNATIONAL NONWOVENS EXHIBITION</b>	Shanghai, China	<a href="https://en.since-expo.com/">https://en.since-expo.com/</a>
13-16 November 2023	<b>HYGIENIX 2023</b>	New Orleans, LA	<a href="https://www.hygienix.org">https://www.hygienix.org</a>
14-16 November 2023	<b>WATERPROOF MEMBRANES 2023</b>	Cologne, Germany	<a href="https://www.ami-events.com/event/8c445995-58fb-4630-9b2d-c9e1c8f07305/summary">https://www.ami-events.com/event/8c445995-58fb-4630-9b2d-c9e1c8f07305/summary</a>
19-23 November 2023	<b>ITMA ASIA + CITME</b>	Shanghai, China	<a href="https://www.itmaasia.com/">https://www.itmaasia.com/</a>
30 November-2 December 2023	<b>2<sup>ND</sup> EDITION ITME AFRICA &amp; M.E. 2023</b>	Nairobi, Kenya	<a href="https://www.itme-africa.com/">https://www.itme-africa.com/</a>
24-27 January 2024	<b>IPF BANGLADESH 2023 (The 16<sup>th</sup> Bangladesh International Plastics, Printing &amp; Packaging Industry Fair)</b>	Dhaka, Bangladesh	<a href="https://www.chanchao.com.tw/ipf/">https://www.chanchao.com.tw/ipf/</a>
22-25 April 2024	<b>IDEA 2024</b>	Florida, USA	<a href="https://www.ideashow.org">https://www.ideashow.org</a>
23-26 April 2024	<b>TECHTEXTIL 2024</b>	Frankfurt, Germany	<a href="https://techtextil.messefrankfurt.com/frankfurt/en.html">https://techtextil.messefrankfurt.com/frankfurt/en.html</a>
04-08 June 2024	<b>ITM 2024 (International Textile Machinery Exhibition)</b>	Istanbul, Turkey	<a href="https://www.itmexhibition.com/itm2024">https://www.itmexhibition.com/itm2024</a>
17-20 June 2024	<b>WORLD OF WIPES (WOW) (International Conference)</b>	Minneapolis, USA	<a href="https://www.worldofwipes.org/">https://www.worldofwipes.org/</a>
12-14 November 2024	<b>FILTECH 2024 (The Filtration Event)</b>	Cologne, Germany	<a href="https://filtech.de/">https://filtech.de/</a>
18-21 November 2024	<b>HYGIENIX 2024</b>	Nashville, USA	<a href="https://www.hygienix.org">https://www.hygienix.org</a>
29 April-1 May 2025	<b>IDEA 2025</b>	Florida, USA	<a href="https://www.ideashow.org/">https://www.ideashow.org/</a>