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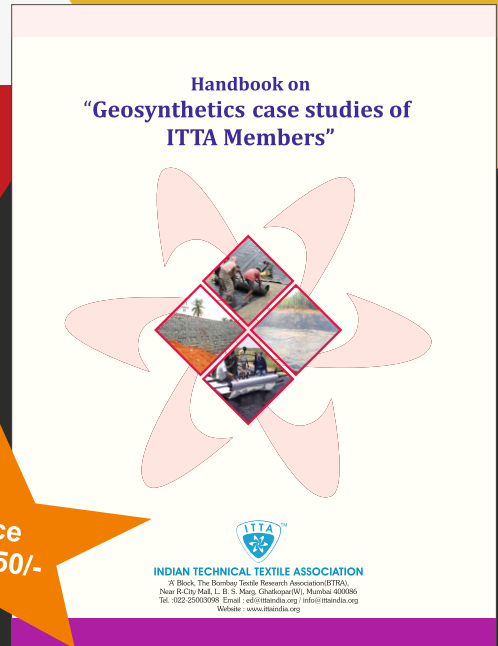
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INDIAN TECHNICAL TEXTILE ASSOCIATION,

314, 3rd Floor, MIDAS, SAHAR PLAZA, Andheri-Kurla Road, J.B. Nagar, Andheri-East, Mumbai - 400059

Tel: +22 49635711, Mob: +91 9769464616; Email: info@ittaindia.org;



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Tel: 022-49635711; Mob: 9769464616
Email: ed@ittaindia.org

Regional Offices :

Delhi :

D-114, Himalaya House,
23-Kasturba Gandhi Marg,
Connaught Place, New Delhi-110001;
Tel: 011-41718232

Coimbatore :

SIMA, "Shanmukha Manram",
41 Race Course, Coimbatore - 641018
Tel: 0422 4225333

EDITORIAL TEAM

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WEBINAR ON SPORTECH - "The Future of Sport Textiles and Accessories Industry in India"

The Indian Technical Textile Association (ITTA) jointly with the Wool Research Association (WRA) organized a WEBINAR ON SPORTECH - "The Future of Sport Textiles and Accessories Industry in India" on 13th July 2022 through Virtual Platform. The workshop received over whelming response and attended by more than 190 delegates from the technical textile Industry, COEs, Textile Colleges & Universities and Govt. Officers.

The Guest of Honor of the webinar was Shri. Upendra Prasad Singh, IAS, Secretary (Textiles), MoT and Ms. Roop Rashi, IA&AS, Textile Commissioner, MoT as Chief Guest. Shri. Amit Agarwal, Chairman, ITTA welcomed the Guests from the MoT and OTxC, Experts and Delegates from the Sports Textiles and Accessories industry. He highlighted that how ITTA, WRA & Archroma came together to brainstorm the issues & requirements of Sportech industry and get the information about what could be the way forward and accordingly we are planning to organise the physical event on the larger scale in the 3rd week of September 2022.

Shri. K. K. Misra, Director (Officiating) & Chief Operations Officer, WRA delivered the welcome address saying that this event will provide the growing opportunity to the Sports Industry. He briefed about the activities and working of the WRA, COE on Sportech and its linkages with various International & National Universities, Associations, Sports textile manufacturers, etc. He pointed out that all these linkages whether domestic or international in a way will support us and are giving value to it for the three segments of Sportech i.e., Gear, Wear & Accessory. He also mentioned that WRA has got additional 150 NABL parameters approved which means today we have total 668 NABL accreditation.

Speaking at the webinar, Guest of Honor, Shri. Upendra Prasad Singh, IAS, Secretary (Textiles) said that Sport Textiles & Accessories sector is emerging as one of the fastest growing TT segments in world & also in India. Indian TT sector is growing at 12% and has reached US\$ 24 billion (Rs.1.81 Lakh Cr.) during

2021-22. He further emphasized that higher sustainable growth & investment for this high value-added textile sector in India face many challenges like quality products, competitive prices, advanced technology & raw materials, sustainable production processes, standards, adequate machinery etc. A slew of focused schemes and policy thrust for TT in NTTM, PLI & PM-MITRA initiatives are giving hope for revival across the sunrise TT value chain & accessories segments to excel in growth and exports in immediate future. It is imperative to handhold & nurture certain TT segments like Sportech with focused policies for further strengthening its manufacturing & exports in order to spur futuristic sustainable growth, creating employment & export earnings. Globally, Sportech has 15% share in TT wherein Mobiltech, Sportech & Indutech together constitute 56% share of total global consumption of TT. At this critical juncture Indian Sportech & Accessories sector needs urgent attention to strengthen its domestic manufacturing leading to reduce its import dependency of its key value chains & accessories segments for developing world class competitive products, demanded by major Sportech brands across the world and also will be consumed in the Indian market. He also added that this webinar will help ITTA, WRA and industry to further crystalize the emerging problems and understand them in a perspective for suggesting practical solutions & policies which can be submitted to the Govt. for support and action.

Chief Guest Ms. Roop Rashi, IA&AS, Textile Commissioner highlighted that Indian Sportech sector could emerge as a high growth sector due to our inherent favorable factors viz. high consumption demand driven by demographic dividend of active youth population, the multiplier effect of initiatives like the TUFS, NTTM, PLI, PM-MITRA scheme, availability of basic raw materials at competitive prices & thrust by the Govt. for sports infrastructure including the Khelo India initiative. She mentioned that for evolving, Sportech & Accessories sector needs a cohesive approach involving all key stakeholders, in line with the vision

of Atmanirbhar Bharat to make it self-reliant by creating a sustainable value chain and robust accessories segments focusing on reducing cheap imports dependence and giving thrust to hand-holding MSMEs and Start-ups. She also pointed out that major impediments for growth of world class Sportech products in India includes low quality & counterfeit products produced by a large number of unorganized units in this sector. This needs attention in terms hand holding with them for making quality products, making them aware of global standards and fashion trends.

The purpose of the webinar was to bring together all Sportech supply chain manufacturers and users in one platform to discuss the key business & policy issues through panel discussions with the relevant Industry Captains & domain experts. The webinar consists of Three Sessions --

1. Session 1- Introduction to Sportech
2. Session 2- Panel Discussion on Sports Goods and Accessories: Coated fabrics, Nets, Composites and Rubber Products
3. Session 3- Panel Discussion on Sports Apparel and Supply Chain Management

SESSION 1

Dr. Smita Bait, WRA, COE for Sportech spoke about the "Gap Analysis & Requirements- Sportech". She highlighted about the Survey on Sportech sector (North India) wherein they have visited some of the Industry & Institutions in Panipat, Meerut and Jalandhar. She pointed out the gap in Sportech industry that is Wool/ Nylon blended fabric for lawn tennis ball, Low cost 4 way stretch fabric for Sportswear, Dyed Nylon 66 knitted fabric with good fastness properties, Manufacturing of Seamless garment and its technical knowhow, Artificial turf manufacturing as per International Norms of FIFA, Hockey Federation etc. and Development of knitting technology for fabric using yarn with higher Lycra percentage wherein a lot of technical intervention are required. She explained about the Testing Facilities for Sports Garments and Functional Fabric available in WRA and also mentioned some of the products developed by WRA i.e., Waterproof Breathable Rainwear, Waterproof Breathable Hi-Visible Jacket, Reusable waterproof breathable PPE-coverall, Smart Sports T-Shirt, Evaporative Cooling Jacket and Active Heating System based sleeping bag.

SESSION 2

The 1st Panel Discussion was moderated by Dr. Anup Rakshit, ITTA. The Panelists in the session were - Shri. Aditya Sharma, Process Cum Product Development Centre (PPDC), Shri. Sanjay Poddar, Topline Commodities Pvt. Ltd., Dr. Milind Khandwe, The Bhor Chemicals & Plastics Pvt. Ltd., Shri. Surya Mahajan, R K Mahajan Exports, Shri. Yogesh Motegaonkar, Garware Technical Fibres Ltd. and Smt. Suchismita Sahoo, Indian Rubber Manufacturers Research Association.

Dr. Rakshit said that this session will focus on the products falling under Sports Goods and Accessories, Raw materials and Process used to manufacture. Policy related Issues on availability of RM, machinery, processes, testing equipment, quality standards, etc. Current market trends & future growth potentials of various Sportech products & investment opportunities.

The Panelists addressed all the questions covering areas, such as Current market trends of sport industry is total 2000 cr. wherein 800 cr. is import and 1200 cr. is domestic production said, Shri. Aditya & future growth potentials of various Sportech products such as sportswear, sports footwear, tennis ball, hockey sticks, boxing equipment, leg pads & cricket bat, sports helmet, etc., Shri. Sanjay said that PU coated fabrics are used in various Sportech products such as football, volleyball, sport shoes, hand gloves, punching bags, etc. Only 4 manufacturers of PU synthetic leather in India are Topline, Mayur Uniquoters, Jasch Industries & Winner Nippon wherein their total domestic production is 8% i.e., 4 lakh/month. Huge amount i.e., 40 lakh mtrs/month of PU synthetic leather are being imported to India because of price variation, quantity variation, pay less duty to govt. and getting the products at our reasonable price. For stopping of such imports now we have got the anti-dumping duty on PU synthetic leather if imported from China. Shri. Milind mentioned that various RMs & process used to manufacture Sport composites-basic material wise composites is divided in 2 parts such as high-performance fibres- carbon, aramid, glass and resins systems. How is the future potential in sport composites business, what are the products have potential in future- badminton rackets, tennis racket, helmets, bicycle parts, hockey stick, water & ice sports. Shri. Surya spoke about the end user cost comparison of the above products- for example- top

quality wooden hockey stick will cost 1500 Rs. for life cycle of 1 yr. whereas composite hockey stick made of fibre glass will cost around 2500 Rs for life cycle of 6 yrs. Shri. Yogesh mentioned that Garware is largest manufacturers of sport accessories like nets, strings & ropes and also manufactures other products such as gym foam mat, inflatable products, webbings, etc. Supplying quality products to all major tournaments like FIFA, US Open, etc. and Challenges faced in this are high end testing equipment's which are not available in India. Use of Rubber Products- natural & synthetic in bicycle tyre, car tyre, rubber flooring for sports such as gymnasium, jogging track, etc., R&D & Testing facilities available in IRMRA and how industry can take benefits out of it, what are futuristic research program on products, process, RM development, etc. undertaken by IRMRA were highlighted by Smt. Suchismita.

SESSION 3

Shri. Anjani Kumar Prasad, Archroma moderated the 2nd Panel Discussion. Panelists in this session were - Shri. Henry Menezes, All India Football Federation, Shri. Sunil Jhunjhunwala, Techno Sportswear Pvt. Ltd., Shri. Chetan Agarwal, Positex Pvt. Ltd., Shri. Suresh Manoharan, Best Colour Solutions India Pvt. Ltd., Shri. Suresh Babu, KKP Fine Linen Pvt. Ltd., Dr. Nandan Kumar, High Performance Textiles Pvt. Ltd.

The Panelists addressed all the questions - Shri. Henry mentioned that sport industry needs to bring the awareness to the customers about the different Sportech product, its quality, its affordability to customers, to understand its value for performance, prevention of injuries and rehabilitation, what are the major hurdles and gaps in branding & supply

chain management to the consumers- Shri. Sunil said that there is no prominent brand of sportswear in India because of lack of understanding, requirement of Indian consumers and how to uplift the whole ecosystems to serve them, Sustainable solutions to the specific issues and concerns, Challenges faced in supply chain management, Process aspects, Certification cost which needs to be taken up with the Govt., availability of critical raw materials & inputs, and problems for availing latest technology for manufacturing sportswear.

FEEDBACK FROM THE PARTICIPANTS

1. WELSPUN - One of the Excellent sessions. Thanks ITTA team
2. DE ARIA CREATIONS - The session is very informative; Dr. Rakshit thank you for this platform.
3. ARCHROMA - Thank you very much for such a wonderful and informative session!
4. WILDCRAFT INDIA - Very nicely organized. Congratulations to organising team!
5. DUCIT MATERIALS - It was a great session! Very interesting!!! Well done to all the participants and panel members. Great Job!!!
6. COLOURTEX INDUSTRIES - Very nicely organised. Congratulations. Valuable knowledge and apprehensive session
7. NIFT- SRINAGAR - Very useful and informative talk from the experts
8. NIRMALA NIKETAN - Excellent thoughts shared all speakers. Thank you for the wonderful program. Congratulations ITTA and WRA.

EXPORT-IMPORT PERFORMANCE OF TECHNICAL TEXTILE PRODUCTS OF MAY 2022

(ITTA Analysis on Ministry of Commerce and Industry Data)

The data on export and import of 215 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.)

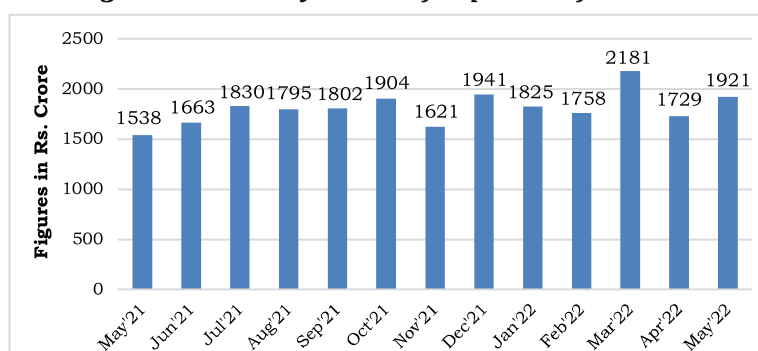
Sr. No	Segments	May 2021	May 2022	% Growth	Apr'21-May'21	Apr'22-May'22	% Growth
1	Agrotech	50	73	48%	100	138	37%
2	Buildtech	62	84	35%	124	164	33%
3	Clothtech	23	26	13%	46	58	26%
4	Geotech	211	139	-34%	422	303	-28%
5	Homotech	22	17	-24%	41	36	-13%
6	Indutech	232	266	15%	477	545	14%
7	Meditech	105	229	117%	218	456	109%
8	Mobiltech	123	153	25%	258	299	16%
9	Packtech	589	683	16%	1193	1407	18%
10	Protech	35	50	43%	70	102	45%
11	Sportech	65	92	41%	127	180	41%
12	Nonwovens	141	109	-23%	288	249	-13%
	GRAND TOTAL	1658	1921	16%	3364	3937	17%

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

Top Ten Exported Products in Month of May'22 -

SR. NO.	HS CODES	PRODUCT NAMES	VALUES (IN CR.)
1	63053200	Flexible Intermediate Bulk Containers (FIBC)	607
2	59039090	Other fabric plated, laminated, coated, impregnated with other plastics	106
3	56074900	Other cordage of Polyethylene/ Polypropylene	78
4	53101013	Jute Hessian fabrics	75
5	84212300	Oil or petrol-filters for internal combustion engines	64
6	61152990	Panty Hose and Tights of other fibres	59
7	40151200	Gloves, mittens & mitts used for medical, surgical, dental or veterinary purposes	54
8	56031200	Nonwovens of MMF: Weighing > 25 gsm but not > 70 gsm	51
9	59031090	Other fabrics impregnated, laminated, plated and coated with PVC	51
10	95069990	Other Articles & equipment for general physical exercise, gymnastics or athletics	42

Figure 1 - Monthly Trend of Export Performance



There was a dip in the above export figures in month of April 2022, then the export had picked up in May 2022.

B. IMPORT PERFORMANCE

(Value in INR Cr.)

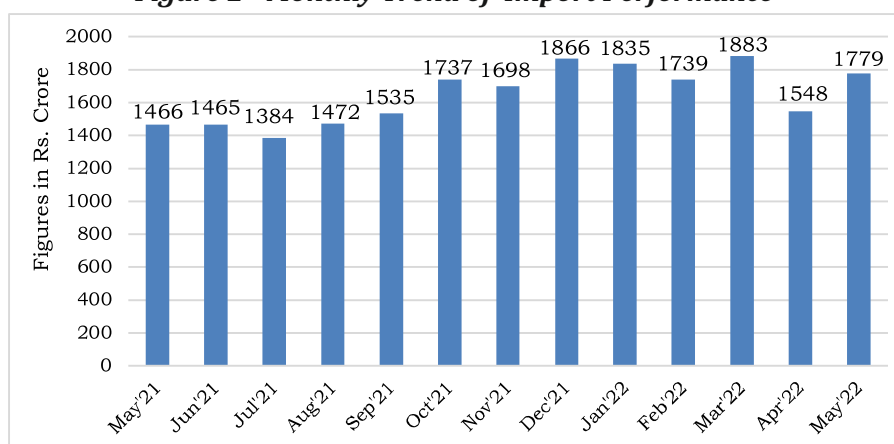
Sr. No	Segments	May 2021	May 2022	% Growth	Apr'21-May'21	Apr'22-May'22	% Growth
1	Agrotech	37	38	4%	74	69	-7%
2	Buildtech	144	194	34%	269	375	40%
3	Clothtech	18	32	77%	41	57	39%
4	Geotech	143	108	-25%	282	203	-28%
5	Hometech	28	38	33%	62	67	7%
6	Indutech	329	347	5%	651	698	7%
7	Meditech	72	118	63%	158	257	63%
8	Mobiltech	518	578	12%	1002	1156	15%
9	Packtech	32	34	4%	73	92	25%
10	Protech	59	70	18%	118	132	12%
11	Sportech	27	55	105%	55	106	93%
12	Nonwovens	170	167	-2%	361	331	-8%
	GRAND TOTAL	1577	1779	13%	3146	3543	13%

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

Top Ten Imported Products in Month of May'22 -

SR. NO.	HS CODES	PRODUCT NAMES	VALUES (IN CR.)
1	87089500	Safety airbags with inflater system	106
2	59032090	Other fabrics impregnated, laminated, plated and coated with Polyurethane	94
3	59039090	Other fabric plated, laminated, coated & impregnated with other Plastics	86
4	59021090	Other Tyre cord fabric of nylon or other polyamides	82
5	70191200	Glass Rovings	81
6	54021990	Other high tenacity yarn of Nylon or other Polyester (Less than 840 Denier)	75
7	59031090	Other Fabrics impregnated, laminated, plated and coated with PVC	74
8	54022090	Other high tenacity yarn of Nylon or other Polyester (Textured Yarns)	61
9	84212300	Oil or petrol-filters for internal combustion engines	56
10	59021010	Tyre Cord Fabric of high tenacity yarn of Nylon or other Polyamides impregnated with Rubber	52

Figure 2 - Monthly Trend of Import Performance



India's imports of TT products have registered a slight decrease in month of April 2022, then it had shown a growth in May 2022.

Global Automotive Textile Market to grow 5.75% by 2023

Global automotive textile market is expected to reach 3.310 million ton by 2023 with an annual growth of 5.75%. Indian automotive textile market is likely to have the fastest growth at 12.28%. But China will remain the biggest market with a growth of 9.30% and a market size of 1.118 million ton which would be one third of the total.

According to Fibre2Fashion's market insight tool TexPro, global market of automotive textiles was 2.502 million ton in 2018. It means that the market will grow by 8.08 lakh ton. The market was 2.015 million ton in 2015, 2.169 million ton in 2016 and 2.313 million ton in 2017. Therefore, it added a volume of 4.87 lakh ton in the last three years. Economic disruption in the world due to COVID-19 dampened auto sector's growth but it witnessed a V-shaped recovery after the pandemic.

China's market size was 7.17 lakh ton in 2018, 6.62 lakh ton in 2017, 6.22 lakh ton in 2016 and 5.29 lakh ton in 2015, as per TexPro. After China, US, Japan, Rest of Europe (excluding Germany, Spain,

France, Turkey and UK) and India are among the top five countries in terms of market volume.

The US market will grow to 3.27 lakh ton in 2023 from 2.72 lakh ton in 2015. Therefore, the country will have a growth of 2.32%. Japanese market will grow by 3.58% to reach 2.33 lakh ton in 2023 from 1.66 lakh ton of 2015. The market of rest of Europe will reach 2.33 lakh ton with a growth of 3.01%.

The Indian market will have the fastest growth of 12.28% but in terms of volume, it ranks fifth in the world. Indian automotive textile market will reach at 2.26 lakh ton in 2023. The market size was 0.88 lakh ton in 2015, 0.99 lakh ton in 2016, 1.11 lakh ton in 2017 and 1.26 lakh ton in 2018. India's market size of automotive textile is still very limited when compared to China.

[Source - <https://www.technicaltextile.net/news/global-automotive-textile-market-to-grow-5-75-by-2023--281872.html>]



**INDIAN TECHNICAL TEXTILE
ASSOCIATION**



**International
Finance Corporation**
WORLD BANK GROUP

Creating Markets, Creating Opportunities

ITTA SIGNED MOU WITH INTERNATIONAL FINANCE CORPORATION (IFC)

International Finance Corporation (IFC), a member of The World Bank Group is the largest global development institution focused on the private sector in developing countries. They help countries develop their private sectors in a variety of ways: Investing in companies, Mobilizing capital and Advising businesses and governments. Benefits of the MOU are: - PPE global advisory market-level work in India aims at creating and disseminating knowledge and includes activities that will focus on-

1. Increasing knowledge of national labs in India
2. Improving the understanding of key stakeholders on voluntary standards for non-medical masks
3. Increasing global knowledge on PPE topics through webinars and publications.

1. ENGAGEMENTS WITH CENTRAL & STATE GOVERNMENTS

1.1. Meeting of IMSC under ATUFS

The 07th meeting of IMSC under ATUFS was held through audio-video conferencing on 22.07.2022 under the Chairpersonship of Hon'ble Minister of Textiles & co-chaired by Hon'ble Minister of State for Textiles. Dr. Anup Rakshit, ED, ITTA attended the meeting. MOM was circulated to all ITTA members.

Major Decisions Taken in IMSC are -

- Allowed verification of cases by JIT where 88 days' time line has been expired/ being expired/ will expire till 3 months from the date of making portal live for automation/ graded inspection.
- Textile Commissioner may allow one-time corrections in UID under RRTUFS and to be recorded in writing which will be brought to the notice of IMSC.
- Allowed condoning delay in upload of JIT report beyond relaxation in timeline for 13 cases.
- As per the standard market practice of motor manufacturers, the revision in specification of the Air compressor was made.

1.2. Meeting for discussion regarding amendments in HS Code published in Customs Tariff of India for Technical Textile items

ITTA found that there are some mistakes and repetitions in new/ revised HSN codes of technical textile items in the Customs Tariff of India-2022 document effective from 01.05.2022. And the same were submitted to the OTxC for the required corrections in the above document. In this regard, a meeting for discussion regarding amendments in HS code published in Customs Tariff of India for technical textile items was held under the Chairmanship of Shri S. P. Verma, Additional Textile Commissioner on 12.07.2022.

During said meeting various inputs were provided by the Technical Committee members and industry representatives present in the meeting. Based on the inputs, a draft report was compiled by OTXC and submitted to all committee members to offer their inputs in respective line items. Accordingly, ITTA collected the inputs from its industry members and submitted to OTxC for further deliberation & to finalise the corrections in HSN codes & their descriptions.



**INDIAN TECHNICAL TEXTILE
ASSOCIATION**



ITTA SIGNED MOU WITH THE TEXTILE INSTITUTE (TI)

Textile Institute (TI) is a unique organisation in textiles; clothing and footwear incorporated in England by a Royal Charter granted in 1925 and is a registered charity. The Institute has Individual and Corporate Members in up to 70 countries. The membership covers all sectors and all disciplines in textiles, clothing and footwear with current focus on Technical Textiles. Benefits of the MOU are:-

1. ITTA Members can become member of TI at a discounted rate of 30%
2. To jointly organise International workshop, seminar or symposium for technical textile companies.
3. To support major events of Technical Textiles Industries organized by ITTA and TI members.

1. BIS SECTIONAL COMMITTEE MEETINGS -

1.1 High Performance Fibres, Fibrous Structure and Textile Components of Composites Sectional Committee (TXD 40)

The 4th Meeting of High Performance Fibres, Fibrous Structure and Textile Components of Composites Sectional Committee, TXD 40 was held through video conferencing on 22.06.2022. The meeting was attended by Dr. Anup Rakshit, ED, Ms. Ruchita Gupta, Manager (Technical) from ITTA Secretariat and ITTA Members from Bhor Chemicals and Plastics Pvt. Ltd., Kusumgar Corporates Pvt. Ltd., Nikol Advance Materials Pvt. Ltd. and Reliance Industries Ltd.

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

1. *Wide Circulation* -

Draft IS stds based on below ISO will be prepared by BIS & issued under wide circulation = ISO 2558:2010 Textile Glass Chopped-Strand Mats for Reinforcement of Plastics, ISO 2559:2011 Glass Mats (Made from Chopped or Continuous Strands), ISO 10618:2004 Carbon Fibre - Determination of Tensile Properties of Resin-Impregnated Yarn, ISO 15100:2000 Plastics - Reinforcement Fibres -

Chopped Strands - Determination of Bulk Density, ISO 22314:2006 Plastics - Glass-Fibre-Reinforced Products - Determination of Fibre Length.

2. *Draft Preparation Stage* -

- a) Reliance will scrutinize stds - IS 11273:1992- Woven roving fabrics of E glass fibre, IS 11320:1997- Glass fibre rovings for the reinforcement of polyester and of epoxide resin systems & IS 11551:1996- Glass fibre chopped strand mat for the reinforcement of epoxy phenolic and polyester resin systems & suggest suitable modification/changes to BIS. Then BIS will prepare draft revision of these stds.
- b) Preliminary drafts to be prepared on Aramid fibre & filament- Kusumgar Corporates, Dupont & Arvind, HT & SHT Nylon filament- SRF & Century Enka, HT/SHT Polyester- Reliance, PET Division & SRF and HT/SHT Polypropylene- Reliance, PP Division and Carbon fibres- CSIR-NAL, Nikol Advance and Bhor Chemicals.

1.2 Technical Textiles for Sportech Applications Sectional Committee (TXD 37)

The 5th Meeting of Technical Textiles for Sportech Applications Sectional Committee, TXD 37 was held through video conferencing on 30.06.2022. The meeting was attended by Dr. Anup Rakshit, ED, Ms. Ruchita Gupta, Manager (Technical) from ITTA Secretariat and ITTA Members from Garware Technical Fibres Ltd. and Kusumgar Corporates Pvt. Ltd.

Following points were discussed & decided in the meeting -

1. *Ready for Publication* - Following Indian Standards were finalized for publication- i) DOC: TXD 37 (16934) Textiles - Nylon fabrics for inflatable equipment (first revision of IS

8430:1977) & DOC: TXD 37(16935) Textiles - Nylon fabrics for sleeping bags (first revision of IS 8991:1978).

2. *Wide Circulation* - Preliminary draft on Parasailing fabrics will be issued under wide circulation
3. *Draft Preparation Stage* - Working draft for sports ropes will be prepared by Garware Technical Fibres.
4. Garware Technical Fibres to provide technical inputs for Sports Strings & IS 3345: 1989 Sports nets to BIS.

1.3 Technical Textiles for Mobiltech Applications Sectional Committee (TXD 38)

The 5th Meeting of Technical Textiles for Mobiltech Applications Sectional Committee, TXD 38 was held through video conferencing on 06.07.2022. The meeting was attended by Dr. Anup Rakshit, ED from ITTA Secretariat and ITTA Members from Arvind Ltd., Autoliv India Ltd., Kusumgar Corporates Pvt. Ltd. and SRF Ltd.

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

1. **Ready for Publication** - Following Indian Standards were finalized for publication- i) Tyre yarns cords and tyre cord fabrics made from man-made fibres methods of test Part 1 Definition of terms [IS 4910 (Part 1):1989], ii) Part 2 Linear density [IS 4910 (Part 2):1989], iii)

Part 3 Load and elongation characteristics [IS 4910 (Part 3):1989], iv) Part 4 Dip pick-up [IS 4910 (Part 4):1989], v) Part 5 Heat shrinkage and heat shrinkage force [IS 4910 (Part 5):1989], vi) Part 6 Wet contraction and wet contractile force [IS 4910 (Part 6):1989], vii) Part 7 Tensile strength at elevated temperature [IS 4910 (Part 7):1989], viii) Part 8 Thickness [IS 4910 (Part 8):1989], ix) Part 9 Sampling for tyre yarns cords and tyre cord fabrics made from rayon [IS 4910 (Part 9):1978] and x) Part 10 Creep [IS 4910 (Part 10):1989] respectively.

2. **Draft Preparation Stage** - Working draft on Seat upholstery fabric and Headliners will be prepared by BIS.

1.4 Industrial Fabrics Sectional Committee (TXD 33)

The 16th Meeting of Industrial Fabrics Sectional Committee, TXD 33 was held through video conferencing on 15.07.2022. The meeting was attended by Dr. Anup Rakshit, ED, Ms. Ruchita Gupta, Manager (Technical) from ITTA Secretariat and ITTA Members from Arvind Advance Material Ltd., Archroma India Pvt. Ltd., Garware Technical Fibres Ltd., Ginni Filaments, Kirti Filtration and Automation Pvt. Ltd., Kusumgar Corporates Pvt. Ltd., Masturlal Pvt. Ltd., Pacific Harish Industries Ltd. & Welspun Pvt. Ltd.

Following points were discussed & decided in the meeting -

1. **Wide Circulation** - Two Draft standards will be issued under wide circulation- IS 6803 - Special

proofed canvas and Duck, IS 13510 - Polyester Cotton blended, rip-stop.

2. **Draft Preparation Stage** - PSG College (COE-Indutech) will prepare the Preliminary draft on Industrial Nonwoven Wipes.
3. National Institute of Natural Fibre Engineering and Technology (NINFET), Kolkata will review the below stds & provide their comments - IS 5996:1984- Specification for cotton belting ducks, IS 9293:1991- Textiles Canvas flax & IS 10055:1982- Specification for jute needleloom felts.
4. Transfer of 35 IS stds on Coated fabric from PCD 13/PCD 29 to TXD 33.



GUIDELINES FOR NEW DEGREE COURSES IN TECHNICAL TEXTILES ARE UNDER DEVELOPMENT BY MoT, GoI



The Ministry of Textiles has developed guidelines for introduction of new degree courses in Technical Textile in engineering colleges. The Ministry intends to provide financial assistance up to Rs. 15 Cr to the educational institutes meeting the eligibility criteria as per guidelines. These guidelines shall be released soon and applications from educational institutes will be invited.

The intervention is part of the National Technical Textiles Mission (NTTM). Along with development of a new Degree Course, updation of the existing conventional degree courses with new papers of Technical Textiles, establishment of laboratory infrastructure involving upgrading of existing infrastructure, setting-up of New Laboratory Equipment facilities, and Training of trainers and faculty members across different application areas of Technical Textiles are also included in the guidelines.

Technical textiles have contributed immensely in productivity improvement, public safety, cost

reduction and durability of infrastructure projects, environment protection and improvements in living standards of citizens in the developed countries. India has nearly 6% of world market size of 250 billion USD. Penetration level of technical textiles is low in India at 5-10 % as against 30-70% in advanced countries. The mission aims at improving penetration level of technical textiles in the country.

One of the major factors affecting the growth of technical textiles in the country is the lack of quality manpower, specially educated and trained engineers and professionals, and highly skilled workmen both for manufacturing and application areas of technical textiles. Therefore, in order to become a world leader and pioneer in the field of technical textiles in the next decade, India has to lay focused emphasis on creating an effective knowledge and world-class skill ecosystem.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=1843064>]

Over 50 applications expected for mini textile park scheme in Tamil Nadu

The State government expects over 50 applications for the mini textile park scheme in a week. It has received 44 applications so far and another 10 are expected within a week. Shri. M. Vallalar, Textile Commissioner, Tamil Nadu, told, "There can be any number of parks in the State. This is mainly for the small and medium-scale units. We are pushing for

technical textile units, including medical, industrial and Defence textiles," he said. A large number of applications had come from Karur district, he added.

The mini textile park scheme was modified by the government to provide subsidy for industrial sheds

too and thus support more small and medium-scale industries, said official sources. The District Collectors are also urging textile industries to benefit from the scheme. In Coimbatore district, the Collector said those interested can contact 0421-2220095 for details.

[Source - <https://www.thehindu.com/news/cities/Coimbatore/over-50-applications-expected-for-mini-textile-park-scheme-in-state/article65716737.ece>]

Govt. plans short-term foreign trade policy, may release before September

The government may roll out a new foreign trade policy (FTP) of a shorter term of two-three years in a bid to keep pace with the fast-evolving scenarios in international trade which have been triggered by recent disruptions, such as the pandemic and the Russia-Ukraine war.

An FTP is an elaborate policy guideline and strategy to promote the export of goods and services, with a duration of five years usually. The existing policy came into force on April 1, 2015, and was valid for five years, before multiple extensions.

“We may come up with a foreign trade policy for two-three years; the aim is to release it before September. Earlier, we had put out fiscal incentives under the FTP but that's not the case anymore. The government has already announced export-boosting schemes like RoSCTL (Rebate of State & Central Taxes and Levies) and RoDTEP (Remissions of Duties and Taxes on Exported Products) A time-to-time review of the policy is crucial and a shorter



time frame will help,” a senior government official told.

Exporters currently get support from schemes such as interest equalisation scheme, transport subsidy scheme, RoSCTL, and RoDTEP. Various export incentive schemes had to be phased out after India faced challenges at the World Trade Organization (WTO) over the same.

In the upcoming FTP, one of the key highlights shall be the 'Districts as Export Hubs' scheme. Under the scheme, the focus will be on 50 districts that have products with huge export potential. It will be a centrally sponsored scheme, with the majority contribution by the Centre and the remaining by the states.

[Source - https://www.business-standard.com/article/economy-policy/govt-plans-short-term-foreign-trade-policy-may-release-before-september-122072001235_1.html]

Develops Antimicrobial Solution provides protection against Hospital-Acquired Infections

Medicfibers, IIT Delhi incubated startup, in collaboration with AIIMS New Delhi, has developed an antimicrobial solution Viroclog® that when applied as a coating on textiles, provides long-lasting protection against HAI by reducing virus, bacteria, fungi survival on fabric. Coating the

Viroclog® on textiles lowers the surface energy preventing adhesion of microbes and destroys the membrane integrity of microbes. Destruction of lipid-based membrane barrier makes the microbes inactive, thus preventing infection transmission.

The basic significance of this technology is to save lives and reduce healthcare associated costs by integrating antimicrobial technology with hospital clothing that provides a layer of protection against microbial pathogens. The tests done by AIIMS New Delhi, IISc Bangalore, and multiple NABL accredited labs, show that Viroclog® technology contributes significantly towards reducing infections through antimicrobial hospital clothings.

The existing market players primarily rely on Ag-coated nanoparticles, while ViroClog® is significantly different, possessing broad-spectrum antimicrobial properties. Secondly, while currently available solutions offer coating protection up to ~50 washes, the patented ViroClog® solution in multiple laboratory testings could provide protection lasting more than 100 washes

demonstrating a high durability. ViroClog® solution reduces infections.

Unique features of protective action of Viroclog® - Provides antimicrobial efficacy upto 99.9% against viruses, bacteria & fungus, long lasting antimicrobial properties for more than 100 washes, Products treated with Viroclog® are OEKO Tex Suited and REACH Compliant indicating that they are safe and human skin friendly and Tests were performed at AIIMS New Delhi, IIT Delhi, IISc Bangalore and NABL accredited labs.

[Source - https://home.iitd.ac.in/show.php?id=4&in_sections=Startups#:~:text=Medicfibers%2C%20a%20FITT%2C%20IIT%20Delhi,bacteria%2C%20fungi%20survival%20on%20fabric.]

ECGC introduces new scheme providing enhanced export credit risk insurance cover up to 90% for small



Export Credit Guarantee Corporation of India (ECGC) has introduced a new scheme to provide enhanced export credit risk insurance cover to the extent of 90% to support small exporters under the Export Credit Insurance for Banks Whole Turnover Packaging Credit and Post Shipment (ECIB- WTPC & PS). The scheme is expected to benefit a number of small-scale exporters availing of export credit with banks which hold the ECGC WT-ECIB covers. This will also enable the small exporters to explore new markets/new buyers and diversify their existing product portfolio competitively.

Addressing a press conference in Mumbai on 26.07.2022, ECGC Chairman Shri. M Senthilnathan said, "We expect the cover to play a game changing role. We expect this to bring up percentage of accounts with up to Rs. 20 crores, thereby lending further stability to ECGC portfolio". He further said, "By giving 90% cover to banks, we expect more small companies to get export credit from banks,

benefiting these industries greatly. We expect banks to provide more concessions. The net effect will be benefit to exporters, involving reduction in interest rate".

Thanking the Commerce Ministry and the Minister Shri Piyush Goyal, ECGC Chairman said, "The Government supported us with adequate capital infusion in recent years. This, as well as the need to make our cover more helpful to exporters has led us to take the decision being announced". Shri Senthilnathan further remarked, all governments took various measures to stabilize the market in view of COVID-19, because of which, ECGC has not withdrawn cover given to exporters, against expectations, export credit insurance agencies all over the world have witnessed only average levels of claim ratios, not high ratios.

Enhanced Cover to Banks - The enhanced cover shall be available for manufacturer- exporters availing fund-based export credit working capital limit up to

₹ 20 crore (i.e., total Packaging Credit and Post Shipment limit per exporter/exporter-group) excluding the Gems, Jewellery & Diamond sector and merchant exporters/traders and This new scheme will enable the banks holding ECGC's WT-ECIB cover to explore the possibility of reducing interest rates further so that all the stakeholders are benefitted. The enhanced cover percentage shall be

made available to State Bank of India as per the previous year's premium rate in view of its favorable claim premium ratio. However, for other Banks there may be a moderate increase in the prevailing premium rates.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=1845036>]

Mandatory Procurement from MSMEs for Defence Establishments



The Government has taken the following policy initiatives for promotion of Micro, Small & Medium enterprises (MSMEs) in defence sector:

- In the Defence Acquisition Procedure 2020, there are specific reservations on Orders up to Rs 100 crore/year for MSMEs.
- An innovation ecosystem for Defence titled Innovations for Defence Excellence (iDEX) has been launched in April 2018. iDEX is aimed at creation of an ecosystem to foster innovation and technology development in Defence and Aerospace by engaging Industries including MSMEs, Start-ups, Individual Innovators, R&D institutes and Academia and provide them grants/funding and support to carry out R&D which has potential for future adoption for Indian defence and aerospace needs.
- The Defence Offset guidelines have further paved the way for proactive participation of MSMEs of India by incorporating a scheme of multipliers of 1.5 for engaging MSME as Indian Offset Partners (IOP), which promotes their integration in global supply chain.
- MSMEs are important partners in DRDO projects and DRDO transfers technologies to them. They are important partners in industry ecosystem for the production of DRDO developed products. DRDO through its scheme Technology Development Scheme (TDF) funds industries, especially Start-ups and MSMEs up to an amount of Rs 10 crore, for innovation, research and development of Defence Technologies in the field

of Defence and Aerospace.

- Public Procurement Policy for MSEs Order 2012, notified by Ministry of Micro, Small & Medium Enterprises has also been adopted by all Defence PSUs.
- Department of Defence Production (DDP) conducts outreach programs in various parts of the country to interact with Industry Associations, Industry, especially MSMEs and academia, to spread awareness about the potential export opportunities. A scheme aimed to promote MSMEs in defence is in place. Under this scheme, conclaves/seminars are being organized in Tier-II and Tier-III cities across the country having strong industrial MSMEs presence with the support of the DDP.
- Regular interactions are taking place to settle the grievance of vendors at DPSUs. Defence Investor Cell has been opened in DDP to address the issues being faced by vendors especially MSME vendors.

Further, 137 contracts have been signed for capital procurement of defence equipment with Indian vendors including MSMEs. No separate data for MSMEs is centrally maintained in this regard. This information was given by Raksha Rajya Mantri Shri Ajay Bhatt in a written reply to Shri Kanakamedala Ravindra Kumar in Rajya Sabha.

[Source - <https://pib.gov.in/PressReleasePage.aspx?PRID=1846935>]

Haryana Atamnirbhar Textile Policy to be rolled out soon



Haryana Atmanirbhar Textile Policy 2022' will be soon implemented in the state involving an investment of around ₹4,000 crore and providing employment to 20,000 youth, said Haryana Deputy Chief Minister Shri. Dushyant Chautala on 26.07.2022. He gave this information after a Cabinet Sub-Committee meeting held at Haryana Bhawan in New Delhi to discuss the policy draft. Haryana Agriculture and Farmers' Welfare Minister Shri. Jai Prakash Dalal and Labour and Employment Minister Shri. Anoop Dhanak were also present.

The Deputy Chief Minister said that the draft of the policy was discussed by the Cabinet Sub-Committee and this would now be placed before the cabinet for its approval. He said that various goals of the policy such as entrepreneurship expansion, investment, employment generation, grants, textile parks and other relevant topics were discussed in the meeting.

Under this policy, technical textiles will be specially encouraged and expanded, said Shri. Chautala, adding that promotion of synthetic fibre and regenerated fibre units had also been included in it.

Shri. Chautala said investors were coming forward to set up industries in the State for the past few years since the government has taken several steps to improve the industrial environment. Haryana has been ranked in the top achiever's category in the fifth edition of 'State Ease of Doing Business' released by the Ministry of Commerce and Industry, he said.

[Source - <https://www.thehindu.com/news/cities/Delhi/haryana-textile-policy-to-create-20000-jobs-dushyant-chautala/article65686413.ece>]

Tamil Nadu to unveil new Startup and Innovation policy soon

The Tamil Nadu government will soon unveil a new Startup and Innovation policy to encourage new startups targeting the socio-economic development of the State, Chief Minister Shri. M. K. Stalin said on 02.08.2022. In the process he would ensure the involvement of new entrepreneurs and youth into the economic mainstream and also work towards achieving the USD 1 trillion economy, he said.

"My dream is Tamil Nadu should become the numerous investment destination in South Asia. Development has been planned to ensure adequate representation of regions and districts in the State," Shri. Stalin said while speaking at the Tamil Nadu Startups and Incubators meet. "The Dravidian model of governance aims at striving with the noble

aim of making everything available to all," he said.

Since his government came to power, six investor conclaves were organised with an investment commitment of Rs 2.20 lakh crore, he said. Previously, the Startup and Innovation Policy was launched in 2019 for enabling the ecosystem for startups and make the State a global hub in the sector.

[Source-<https://economictimes.indiatimes.com/news/economy/policy/tamil-nadu-to-unveil-new-startup-and-innovation-policy-soon-chief-minister-m-k-stalin/articleshow/93300504.cms>]

SMART TEXTILES - Nanotube-coated yarns

Nanotube-coated yarns for conductivity



High demand for interactive electronic textiles has encouraged the Italian producer of technical-industrial yarns CoatYarn to expand with a new product range - thermoplastic polyurethane yarns enhanced with graphene nanotubes by OCSiAl, Luxembourg. This solution is widely applicable in various electrostatic-sensitive sectors such as healthcare, mining and oil and gas. One of the end market applications is electroconductive textile gloves with touch-screen functionality that can be used by the operators of machines.

Just 0.2% by weight of graphene nanotubes is enough to transfer unmatched electrical and thermal conductivity to the yarns, providing them with a volume resistivity of 104 Ohm/cm. The enhanced durability and reliability of the coating

provides the foundations for developing safe and functional personal protective clothing, conveyor belts and textile bags. The flexible e-textiles with the ability to receive, store, and transmit data and signals can be considered sensors and be used in health care for measuring temperature, biopotentials, acoustic, ultrasound, pressure and radiation. The electroconductive network created by graphene nanotubes inside the fabric, for example, allows yarns to be heated, turning textiles into a promising multifunctional material for automotive and building interiors, and sportswear."

[Source - <https://papernewslive.com/luxembourg-based-ocsial-coatyarn-develop-smart-textile-technologies/123019/>]

MEDITECH - High-tech Textile vest

High-Tech Textile Vest for lung patients



Scientists at the Fraunhofer Institute for Ceramic Technologies and Systems IKTS in Germany have created a textile vest with integrated acoustic sensors that helps in monitoring the lung

function of patients with severe respiratory diseases. The Pneumo.Vest features a technology via

which noises in the lungs are recorded and these signals are converted and displayed visually using software.

The Pneumo.Vest project enables the continuous monitoring of patients outside of intensive care units (ICUs). Piezoceramic acoustic sensors are fixed on the front and back of the vest to detect and record even the smallest noise produced by the lungs in the thorax. The signals are then registered by a software program, which also electronically amplifies and visually depicts them on a screen.

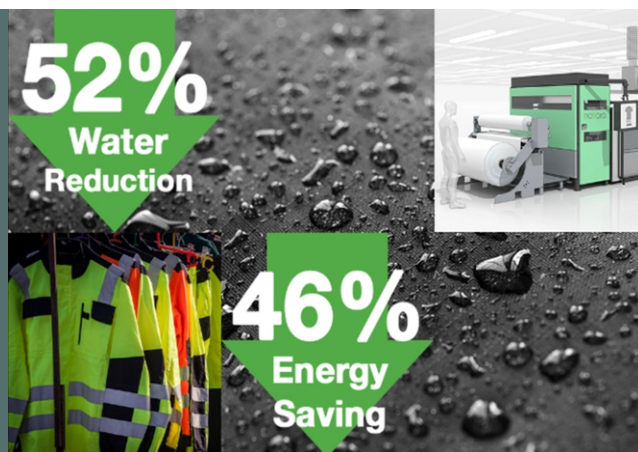
Moreover, the Pneumo.Vest's system gathers and stores the data permanently, so that examinations can be scheduled at any time and even in the absence of hospital staff. This technology provides added

value because it allows for the lungs to be monitored continuously in the same way as a long-term ECG, even if the patient is not attached to machines in the ICU but has instead been admitted to the general ward. The first tests of Pneumo.Vest with staff at the University Clinic for Anesthesiology and Intensive Therapy at the University of Magdeburg have been successful.

[Source - <https://papernewslive.com/researchers-in-germany-have-invented-a-high-tech-textile-vest-for-lung-patients/157327/>]

MACHINERY - Single-sided functional finishing

Low Energy Textile Technology improves Cost & Sustainability of Workwear Functional Finishing



Alchemie Technology, the UK innovator of waterless, low energy, textile dyeing technology, has achieved huge energy and water savings using their Novara™ textile finishing machine to apply water and stain repellent to 280gsm polycotton twill workwear fabric. Using Alchemie's Novara™ single sided digital finishing process to apply HeiQ Barrier HM-C6 water and stain repellent chemistry provides a 52% water reduction and 46% energy saving, compared to the traditional padding method of fabric finishing. By enabling a lower wet add-on, 31% compared to 65% for padding, and higher concentration of chemistry, this breakthrough offers workwear manufacturers a more sustainable and lower cost solution. External laboratory tests verified that the HeiQ Barrier HM-C6 water and stain repellent when applied using the Alchemie Novara™ system achieved high functional performance even after 20 washes.

Alchemie's Novara™ low energy, single sided digital

application system applies functional finishes at up to 20 times the concentration of traditional processes, with a more even application and higher quality - saving cost and improving efficiency. Adding functional finishes to a single side of fabric, rather than saturating the entire fabric, has the added advantage of keeping chemicals, such as insect repellent, to the outer side of a garment, away from the wearers skin. This is a particularly important feature for workwear in industries, such as the military, that need to treat uniforms with permethrin. The energy savings from the Novara™ system significantly reduces the high costs involved in textile finishing - whilst also reducing CO2 emissions and pollution.

[Source-<https://www.alchemietechnology.com/news/alchemies-low-energy-textile-technology-improves-cost-and-sustainability-of-workwear-functional-fini/>]

New Line of Lint-Free Cleanroom Wipes



US based AAWipes has announced a new line of lint-free cleanroom wipes that are perfect for various contamination control needs. They are perfect for use in critical environments such as cleanrooms, hospitals, laboratories, and data centers.

Lint-free polycellulose wipes (I & II) are made from a hydroentangled, nonwoven blend of 55% cellulose and 45% polyester, with no chemical binders, are contained. There are two types of wipes available based on density, 68 gsm (I) and 56 gsm (II). This fabric blend combines a natural fiber's

highly absorbent properties with synthetic polyester's cleanliness and strength. As a result, it has low articulated and extractable counts, superior oil absorbance, abrasion, and chemical resistance.



AAWipes lint-free cloth wipes (III) are constructed from light-weight, 100% continuous filament polyester in a double-knit, no-run, interlock pattern with laser cut with ultrasonically sealed edges. This wiper is a clean and moderately absorbent wiper with low levels of particulate and extractable counts. They are treated by laser cut with ultrasonically sealed edges, laundered in ultra-pure water, and hermetically sealed. They are chemical

compatible with IPA, ethanol, and other common solvents.

AAWipes lint-free ESD antistatic polyester cleanroom wipes (IV) are high-quality virgin polyester fibers with conductive carbon yarns (dark lines throughout the wipers) that are continuously filamented throughout the no-run knit construction process. The wipers can dissipate electrical charges effectively, making them a perfect wiping choice for sensitive surfaces and processes. The anti-static wipes prevent the build-up of electrostatic charge via the carbon fiber strands that dissipate electrostatic charge. These wipes are ideal for wiping sensitive electronic components and tools.

Sticky mats (V) are lint-free wipes that are easy to apply and remove. They are made of premium PVC film coated with eco-friendly water-based adhesive. The mats are 0.5 micrometers thicker than ordinary sticky mats, so they are more effective particle reducing surface to reduce traffic-borne contaminants. They use water-based, eco-friendly adhesive materials. With lint-free cloth, they can effectively remove around 95% of particles in the 0.30-micron range.

[Source - <https://www.marketwatch.com/press-release/aawipes-introduces-new-line-of-lint-free-cleanroom-wipes-2022-07-16/>]



SPARKLE ECO INNOVATIONS PVT. LTD., GUJARAT

Sparkle Eco Innovations having manufacturing facility with Fully Automatic Sanitary Pad manufacturing m/c. They are US FDA registered and have ISO 13485 and ISO 9001 certification. They are also Made Safe, Allergy certified, vegan-friendly certified, Australian certified toxic-free, cruelty-free certified and NetZero Certified. They manufacture Biodegradable and Sustainable Sanitary Pads - 1 million pcs/day.

USTER TECHNOLOGIES INDIA PVT. LTD., COIMBATORE

Uster Technologies India is the subsidiary company of Uster Technologies AG Switzerland and responsible to provide sales, after sales and application support to its customers in India and Nepal. Uster technologies AG is the leading provider of quality management solutions from fiber to fabric. This includes systems for quality management, laboratory testing and in-line process control for fibers, staple and filament yarns, fabric inspection as well as value-added services. They have machineries, useful to technical textile industry, such as Automated Fabric Inspection System - Uster Q-Bar 2 & Uster EVS Fabriq Vision and Uster EVS Fabriq Shade for shade measurements.

WINNER NIPPON LEATHERETTE PVT. LTD.

Winner Nippon Leatherette, a unit of Raglan Group, have fully equipped plants of dry processed Polyurethane (PU), wet processed PU Synthetic leather lines, printing m/c, embossing m/c and tumbling m/c. They manufacture highly consumed technical textile PVC and PU synthetic leather of international standards - 48 lakh mtrs/year for various TT segments viz. Buildtech, Mobiltech, Packtech & Sportech.

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Andheri-Kurla Road, J. B. Nagar,
Andheri-East, Mumbai 400059.
Mob: 9769464616 Email: info@ittaindia.org

Bank Details -

A/C. Name - INDIAN TECHNICAL TEXTILE ASSOCIATION
Bank Name - Bank of Baroda,
Chakala Branch, Mumbai - 400093.
Current Account No - 04220200000491
IFSC Code - BARB0CHAKAL

UPCOMING EVENTS

DATES	EVENTS NAME	PLACE	WEBSITE
DOMESTIC EVENTS			
12-15 July 2022	HGH INDIA 2022	Greater Noida, Delhi NCR, India	https://www.hghindia.com/eng/about-hgh/
21-23 July 2022	YARNEX (India International Yarn Exhibition)	Delhi, India	https://www.yarnex.in/
04-06 August 2022	GARTEX TEXPROCESS INDIA	New Delhi, India	https://www.gartexindia.com/about-the-show/
04-06 August 2022	SPORTS INDIA 2022	Greater Noida, UP, India	https://iisgs.com/
26-28 August 2022	SPORTS EXPO INDIA 2022	Hyderabad, India	https://sportex.in/index.html
01-03 September 2022	MEDIAEXPO	New Delhi, India	https://media-expo-newdelhi.in.messefrankfurt.com/newdelhi/en.html
15-17 September 2022	SAFETYEX (Fire and Safety Expo)	Gujarat, India	https://www.safetyex.in/
09-11 September 2022	11TH AGRI ASIA (Exhibition on Agriculture Technology)	Gujarat, India	https://www.agriasia.in/
23-25 September 2022	8TH EDITION NONWOVEN TECH ASIA	Delhi, India	https://www.nonwoventechasia.com/
24-25 November 2022	OSH INDIA	Mumbai, India	https://www.oshindia.com/mumbai/
08-13 December 2022	INDIA ITME 2022 (11th India International Textile Machinery Exhibitions)	Greater Noida, UP, India	https://itme2022.india-itme.com
12-15 July 2022	HGH INDIA 2022	Mumbai, India	https://www.hghindia.com/eng/about-hgh/
30-31 December 2022	INOS+H 2022	Mumbai, India	https://www.md-india.com/event/inosh-expo-239.html
02-03 February 2023	FILTREX INDIA	New Delhi, India	https://www.edana.org/events/filtrex/filtrex-india
18-19 February 2023	OUTLOOK™ (Nonwoven, Personal care and Hygiene Conference)	New Delhi, India	https://www.edana.org/events/outlook/outlook-india
22-24 February 2023	TECHNOTEX 2023	Mumbai, India	https://www.technotexindia.in/
01-04 March 2023	ITMACH INDIA 2023	Gujarat, India	https://www.kdclglobal.com/itmach-india-2023.html
INTERNATIONAL EVENTS			
14-17 August 2022	INTERTEXTILE SHANGHAI HOME TEXTILES (Autumn Edition)	Shanghai, China	https://intertextile-shanghai-home-textiles-autumn.hk.messefrankfurt.com/shanghai/en.html
04-07 September 2022	7TH EUROPEAN GEOSYNTHETICS CONFERENCE	Warsaw, Poland	https://eurogeo7.org
06-08 September 2022	CINTE TECHTEXTIL CHINA	Shanghai, China	https://cinte-techtextil-china.hk.messefrankfurt.com/shanghai/en.html
14-15 September 2022	CONTAMINATION & GEOTECH EXPO	Birmingham, UK	https://www.contaminationexpo.com
21-22 September 2022	INTERNATIONAL COMPOSITES SUMMIT (ICS)	London, UK	https://www.internationalcomposites-summit.com
27-28 September 2022	RISE 2022 (Research, Innovation & Science for Engineered Fabrics Conference)	North Carolina, USA	https://www.riseconf.net/
12 October 2022	IFAI EXPO 2022	North Carolina, USA	https://ifaexpo.com/
17-20 October 2022	CAMX 2022 (The Composites and Advanced Materials Expo)	California, US	https://www.thecamx.org/

DATES	EVENTS NAME	PLACE	WEBSITE
19-21 October 2022	OUTLOOK (Nonwoven, Personal care and Hygiene Conference)	Malta , Europe	https://www.edana.org/events/outlook/outlook-2022
31 October-04 November 2022	GEOASIA7 2022 (7th Asian Regional Conference on Geosynthetics)	Taipei, Taiwan	http://www.geoasia7.org/
08-09 November 2022	FILTREX	Berlin, Germany	https://www.edana.org/events/filtrex/filtrex-europe
14-17 November 2022	HYGIENIX 2022	Louisiana, USA	https://www.hygienix.org/
16-17 November 2022	FILTREX ASIA	Shanghai, China	https://www.edana.org/events/filtrex/filtrex-asia
20-24 November 2022	ITMA ASIA + CITME	Shanghai, China	https://www.itmaasia.com/
10-13 January 2023	HEIMTEXTIL FRANKFURT	Frankfurt, Germany	https://heimtextil.messefrankfurt.com/frankfurt/en.html
20-23 February 2023	4th GEOAFRICA (African Regional Conference on Geosynthetics)	Cairo, Egypt	https://geoafrica2023.org/
18-21 April 2023	INDEX™23	Palexpo, Geneva	https://www.indexnonwovens.com/en/
10-12 May 2023	TECHTEXTIL NORTH AMERICA	Atlanta, Georgia	https://techtextil-north-america.us.messefrankfurt.com
08-14 June 2023	ITMA 2023	Milan, Italy	https://itma.com/
17-20 July 2023	WORLD OF WIPES (WOW) (International Conference)	Atlanta, Georgia	https://www.worldofwipes.org/
30 July-04 August 2023	ICCM 2023 (International Conference on Composite Materials)	Belfast, UK	https://iccm23.org
17-21 September 2023	12th INTERNATIONAL CONFERENCE ON GEOSYNTHETICS (ICG)	Roma, Italy	https://www.12icg-roma.org/
10-12 October 2023	FILTPO™ 2023	Chicago, USA	https://www.filtppo.com
24-27 October 2023	A+A 2023	Germany	https://www.aplusa-online.com/
13-16 November 2023	HYGIENIX 2023	New Orleans, LA	https://www.hygienix.org
In 2023 (Date yet to be announced)	INTERTEXTILE SHANGHAI HOME TEXTILES	Shanghai, China	https://intertextilehome.hk.messefrankfurt.com/china/en.html
22-25 April 2024	IDEA 2024	Florida, USA	https://www.ideashow.org
23-26 April 2024	TECHTEXTIL 2023	Frankfurt, Germany	https://techtextil.messefrankfurt.com/frankfurt/en.html
04-08 June 2024	ITM 2024 (International Textile Machinery Exhibition)	Istanbul, Turkey	https://www.itmexhibition.com/itm2024
17-20 June 2024	WORLD OF WIPES (WOW) (International Conference)	Minneapolis, USA	https://www.worldofwipes.org/