

NATIONAL CONCLAVE ON AGROTECH



**"ACCELERATING PRODUCTIVITY
OF AGRICULTURE & HORTICULTURE
PRODUCTS"**

Date: 6th October 2023

Venue: India Habitat Centre (IHC), New Delhi

CONCLAVE BOOKLET

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NATIONAL CONCLAVE ON AGROTECH

"Accelerating Productivity of Agriculture & Horticulture Products"

06th October 2023

Venue : India Habitat Centre (IHC), New Delhi

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NATIONAL CONCLAVE ON AGROTECH

"Accelerating Productivity of Agriculture & Horticulture Products"

06th October 2023

Venue : India Habitat Centre (IHC), New Delhi



Messages

पीयूष गोयल
PIYUSH GOYAL



सत्यमेव जयते

वाणिज्य एवं उद्योग,
उपभोक्ता मामले, खाद्य और सार्वजनिक
वितरण तथा वस्त्र मंत्री, भारत सरकार
MINISTER OF COMMERCE & INDUSTRY,
CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION AND
TEXTILES, GOVERNMENT OF INDIA



MESSAGE

I am delighted to learn that the Indian Technical Textile Association (ITTA), supported by the National Technical Textiles Mission, Ministry of Textiles in partnership with the Synthetic & Art Silk Mills' Research Association is organizing the National Conclave on Agrotech on 6th October, 2023 in New Delhi. The theme of this year's conclave 'Accelerating Productivity of Agriculture & Horticulture Products' is apt as it lays emphasis on the growing usage of various agro-textiles products in the realm of protective cultivation in agriculture and horticulture.

The technical textiles sector in India has witnessed a surge in investment and expansion, driven by robust research and development, as well as a focus on innovative manufacturing and export strategies. India's technical textiles sector is a sunrise sector that will contribute significantly to building a new and developed India by 2047, driven by our growing strong foundation of product innovation and emerging start-ups. Under the dynamic leadership of Hon'ble Prime Minister Shri Narendra Modi, the Government is actively promoting research and innovation in technical textiles to increase production, bolster exports and enhance the global competitiveness of this sector.

Additionally, agro-textiles have become a high priority segment which is safeguarding crops against adverse weather conditions. There is a crucial need to increase awareness about the adoption of agrotech products among stakeholders and promote high quality agro-textiles products. This is pivotal for attaining higher crop yields and elevating farmers' income.

This conclave will provide an exclusive platform to explore latest commercial opportunities and resolve challenges arising in the agro-textiles sector. It will also open new avenues for strengthening the entire value chain of the domestic manufacturing and exports of high quality agro-textiles products which is in line with the Hon'ble Prime Minister's vision of Make in India for the World and building an *Aatmanirbhar Bharat*. I congratulate the Ministry of Textiles and ITTA for jointly organizing this conclave and wish the conclave a grand success.


Piyush Goyal



Ministry of Textiles : Udyog Bhavan, Rafi Marg, New Delhi-110011
Tel. No. : +91 11 23061385, 23061492, 23061008, Fax : +91 11 23062947, E-mail : piyush.goyal@gov.in



दर्शना जरदोश
DARSHANA JARDOSH



रेल एवं वस्त्र राज्य मंत्री
भारत सरकार
MINISTER OF STATE FOR
RAILWAYS AND TEXTILES
GOVERNMENT OF INDIA

MESSAGE

It is my pleasure to know that Indian Technical Textile Association (ITTA), and SASMIRA are organising the National Conclave On **Agrotech-"Accelerating Productivity of Agriculture and Horticulture"** Indian Technical Textile Industry has been recording exhilarating growth across the 12 key segments and its various application areas based on its functional use and performance parameters. Technical textile usage in Agro textiles as shade nets, insect net, woven ground cover fabric, mulch mat has also been steadily increasing with innovations in raw materials and basic inputs, and making of high-quality advanced products. Today Indian Agrotech industry is driven by the overwhelming interest of manufacturers who strive for self-reliance and a host of farmers who adopt modern cultivation practices for higher yield and income.

Agrotech is an emerging high growth potential segment of the vibrant technical textiles industry. This sector needs nurturing for adopting high quality, and hand holding for innovation and R&D for advanced and sustainable products. It is important to encourage entrepreneurs to bridge gaps in technology and machinery development, support innovative ideas of Start-ups etc. for increasing adoption of agrotech products and its fast-tracked dissemination initiatives.

I am confident that the Agrotech conclave will facilitate all stakeholders to have a healthy dialogue and interact with industry and policy makers closely and help to evolve Policy measures to be addressed urgently. At this juncture, it is imperative to strengthen the entire value chain of domestic manufacturing and export segments of the Indian Agrotech industry with a vision of developing a fast-growing, self-reliant, and sustainable industry to meet emerging challenges and competition.

I wish all the very best to all the participants, speakers, exhibitors and industry leaders, sourcing and procuring institutions, research bodies, and decision makers.

Darshana Jardosh
(Darshana Jardosh)

Ministry of Railways : Room No. 242, Rail Bhawan, New Delhi-110001, Phone : 011-23388190, 23382490, Fax : 011-23383668, Email : mos-railways@gov.in
Ministry of Textiles : Room No. 129, D Wing, Udyog Bhawan, New Delhi-110011, Phone : 011-23063779, 23063704 Fax : 011-23061575, E-mail : mos-textiles@gov.in
Constituency Office : 13/8-18, Surat Lok Sabha Jansampark Karyalay, Near New Court, Athwalines, Surat-395007 (Gujarat), Phone : 0261-2664488

रचना शाह, भा.प्र.से.
सचिव
Rachna Shah, IAS
Secretary



सत्यमेव जयते

भारत सरकार
वस्त्र मंत्रालय
उद्योग भवन, नई दिल्ली - 110 011
GOVERNMENT OF INDIA
MINISTRY OF TEXTILES
UDYOG BHAWAN, NEW DELHI - 110 011



27th September 2023

MESSAGE

The growth of India's Technical Textiles sector has been extremely encouraging in recent years. The Indian Technical Textiles market has emerged as the 5th largest in the world and is rapidly growing, both in terms of value and output. A sound eco-system for technical textiles is evolving, supported by consistent policy initiatives including the National Technical Textiles Mission (NTTM) with focus on Innovation & Research, Education & Skilling, Machinery development and Talent Training.

2. I am confident that continued policy thrust combined with industry's efforts will help India achieve the export target of USD 100 billion and overall domestic market size of USD 250 billion by 2030, for Technical Textiles. This sector is also expected to get a big investment boost through the PLI and PM-MITRA schemes.

3. Agro-textiles, an import segment of technical textiles is emerging as an indispensable segment of protective cultivation with huge growth prospects. It is important to note that advancements in sustainable product innovation for bio-degradable Agro-textiles and adherence of high-quality products as mandated by the QCOs and the GeM procurement platform are expected to transform the Indian Agro-textile industry.

4. I sincerely appreciate the initiative by the Indian Technical Textile Association for organizing the **NATIONAL CONCLAVE ON AGROTECH - "Accelerating Productivity of Agriculture & Horticulture Products"** on Friday 6th October 2023 in New Delhi, supported by the National Technical Textiles Mission (NTTM), Ministry of Textiles, Government of India, in partnership with Synthetic & Art Silk Mills' Research Association (SASMIRA). This initiative is relevant and timely, in view of the increasing importance of Agro-textiles for reducing crop loss due to adverse impact of Climate change. There is a need to focus on awareness regarding product usage, availability and fast tracking delivery across the country.

5. I am confident that the Conclave's dialogue and deliberations will help in formulating a roadmap for the growth of Agro textiles in India. I extend my best wishes for the success of the National Conclave on Agro Tech.

Rachna
(Rachna Shah)

Tel. : +91-11-23061769, +91-11-23063644, E-mail : secy-textiles@nic.in



राजीव सक्सेना, आई.आर.एस.एस.
संयुक्त सचिव
Rajeev Saxena, I.R.S.S.
Joint Secretary



भारत सरकार
वस्त्र मंत्रालय
Government of India
Ministry of Textiles
Udyog Bhawan
New Delhi-110 011

26th September 2023

MESSAGE


Indian Technical Textile industry has been recording 10 per cent annual growth with penetration level increasing to now 10-12 per cent. Concerted efforts are being made by the Government by a slew of cohesive policies like the PLI, PM- MITRA and the dedicated National Technical Textile Mission (NTTM) has brought vibrancy in this high growth potential sunrise sector. The NTTM is focusing on the entire 12 segments of the Indian technical textiles with dedicated initiatives for encouraging all stakeholders for investments in critical raw materials, adoption of and adhering to high Quality and Standards for making the industry future ready.

Agro-textiles is one of the important technical textile segments having high growth potential, stemming from the high demand for protective cultivation products such as Shade nets, insect nets, Mulch mats etc. used extensively in Horticulture & Agriculture crops across the country. Besides increasing productivity, it also helps them in reducing crop loss stemming from uncertain weather changes due to the increasing prevalence of climate change effects on cultivation. Even, natural fibres like Jute and coir have huge potential being biodegradable.

In view of the immense benefits towards crop protection, many of Agro-textile products are being included in various flag ship schemes like the Mission for Integrated Development of Horticulture (MIDH) and the National Bamboo Mission (NBM) of the Ministry of Agriculture and Family Welfare. However, it is imperative to enhance awareness among the stakeholders on adhering to high quality BIS standards as mandated, resulting to mitigate long-term damage to valuable soil. The benefits of Agro-textiles need to demonstrated to farmers and for this purpose a Mega Demonstration centre is being set up at Navsari Agricultural University, wherein the increase in productivity of different crops will be demonstrated.

Considering the importance of and the benefits Agro-textiles industry to the stakeholders and the economy the **NATIONAL CONCLAVE ON AGROTECH -"Accelerating Productivity of Agriculture & Horticulture Products"** is being organised by the Indian Technical Textile Association (ITTA), supported by the National Technical Textiles Mission (NTTM), Ministry of Textiles, Govt. of India, in partnership with the SASMIRA, on Friday, 6th October, 2023, in New Delhi.

The conclave will give ample opportunities for all the stakeholders of the Agro-textile industry to have continuous dialogue and close interactions and come out with recommendations for bridging critical gaps and strengthening the entire value chain of the Agrotech industry. I am certain that this Conclave will help all its stakeholders to tread a new growth trajectory and equip them to strive for realizing the goal of a self-reliant Indian Agro textiles industry and also benefiting our farmers to attain new heights in their growth and exports.


(Rajeev Saxena)

Tel : 011-23063069, E-mail : rajeev.71@gov.in, Web : <http://texmin.nic.in>

NATIONAL CONCLAVE ON AGROTECH

"Accelerating Productivity of Agriculture & Horticulture Products"

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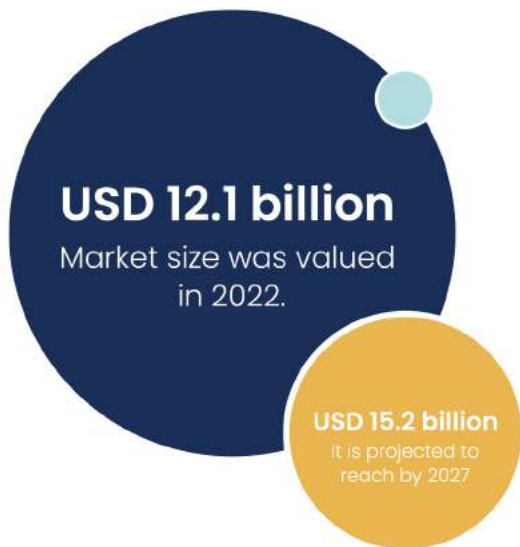
Venue : India Habitat Centre (IHC), New Delhi



About Agrotech



ABOUT AGROTECH



Agriculture, forestry, horticulture, floriculture, fishing segments, landscape gardening, animal husbandry, aquaculture and agro-engineering all these sectors combined together are popularly called as Agrotech sector. The Global Agrotexiles Market size was valued at USD 12.1 billion in 2022. It is projected to reach at USD 15.2 billion by 2027 and will grow at a CAGR of 4.7% during the forecast period from 2022–2027. The Indian Agrotexiles Market size was valued at USD 0.1 billion in 2020 and is projected to reach at USD 0.2 billion by 2027, growing at a CAGR of 4.5% during 2020–2027. The increasing demand from the agricultural sector for a better quality of crops, increased productivity and technological advancements are driving the demand for the agro textile market. Agrotexiles are essential tools that bridge the gap between traditional farming and innovative solutions, supporting the needs of modern agriculture, aquaculture, and animal husbandry.

List of Products under the Agrotech segment are –

- ✓ Shade nets
- ✓ Bird Protection nets
- ✓ Anti-Hail nets
- ✓ Anti-Insect nets
- ✓ Plant nets
- ✓ Windshield nets
- ✓ Harvesting nets
- ✓ Fishing nets
- ✓ Fishnet Twines
- ✓ Root Ball nets
- ✓ Gill nets
- ✓ Turf Protection nets
- ✓ Crop covers
- ✓ Crop Support nets
- ✓ Fruit covers
- ✓ Mulch mats
- ✓ Ground cover fabric
- ✓ Vermi Beds
- ✓ Pond liners
- ✓ Fencing nets
- ✓ Pallet nets
- ✓ Jute Soil Savers

Fibers for agrotexiles are selected as per the application area. The most commonly used synthetic fibers in agro-textiles are nylon, polyethylene, polypropylene, polyester, and other high-performance fibers. The natural fibers can be used in some specific arena of Agrotech where characteristics like high moisture retention, wet strength, biodegradability are effectively exploited. Some of the fibers like, jute, coir, wool, sisal, and hemp. Owing to their price, ease of transport and storage, and longer service life, synthetic fibers are preferred more than natural fibers due to their high strength, durability and other suitable properties of agricultural applications.

Several techniques of fabric production can be used to produce Agrotexiles; each method offers specific advantages for particular product. The techniques are Woven, Knitting & Nonwoven. From these techniques different form of fabric is made which are used in Agrotexile–Nets, Sheets, Woven, Nonwoven, Knitted & Coated fabrics.

Essential properties required for agrotextiles are Tensile Strength, Resistance to sunlight, Resistance to solar radiation and ultra violet light, Bio degradability, Abrasion Resistance, High water retention potential, Resistance to microorganism, Lightweight & Resistance to toxic environment.

Today Agrotextile plays a significant role to control environment for crop production, eliminate variations in climate, weather change and generate optimum condition for plant growth. Adopting the hi-tech farming technique, where textile structures are used, could enhance quality and overall yield of agroproducts. The need of textile goods in the field of agriculture has been stressed and their role in the reduced usage of harmful pesticides and herbicides to render a healthy farming culture underlined. 'Agro textiles' gives multidimensional views and solutions to the problems being faced by agro industry. Textiles prove to be flexible in their suitability for specific geographical locations.



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Programme



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PROGRAM SCHEDULE

09.00 – 10.00 hrs	Registration of Delegates	
10.00 – 10.45 hrs	INAUGURAL SESSION	
10.00 – 10.05 hrs	Welcome Address	Shri. Amit Agarwal Chairman, ITTA
10.05 – 10.15 hrs	Context setting	Shri. Rajeev Saxena Joint Secretary, Ministry of Textiles
10.15 – 10.20 hrs	Keynote Address	Shri. Z. P. Patel Vice Chancellor, Navsari Agriculture University
10.20 – 10.25 hrs	Special Address	Smt. Rachna Shah Secretary (Textiles), Ministry of Textiles
10.25 – 10.35 hrs	Special Address	Smt. Darshana Jardosh Hon'ble Minister of State for Textiles & Railways
10.35 – 10.45 hrs	Special Address	Shri. Kailash Chaudhary MoS Agriculture, Ministry of Agriculture and Farmers Welfare
10.45 – 10.50 hrs	Vote of Thanks	Dr. Ashok Tiwari Senior Director, SASMIRA
10.50 – 11.00 hrs	Visit to Exhibition/ Networking Tea	
11.00 – 11.45 hrs	Technical Session-1 (Panel Discussion): Market Promotion, Export Opportunities', Indian Standards and Quality Control Order (QCO) on Agrotexiles This session will deliberate on the following: <ul style="list-style-type: none"> • Current market trends, Export-Import & future growth potentials of various Agrotech products. • Quality standards & Certification required for QCO. • Investment Opportunities 	
	Moderator	Dr. Himanshu Pathak Secretary, DARE & DG, ICAR, New Delhi
	Panelists	Ms. Bhavna Rathee Assistant Vice President, Invest India

		Shri. Kedar Nath Verma Director (Horti), Horticulture Mission, MoA&FW
		Dr. Prabhat Kumar Horticulture Commissioner, MoA&FW
		Shri. Ajit B. Chavan Addl. CEO, Government e-Marketplace (GeM)
		Shri. Amit Agarwal Managing Director, CTM Technical Textiles Ltd.
		Shri. J. K. Gupta Head, Textiles Department, Bureau of Indian Standards (BIS)
11.45- 12.30 hrs	Technical Session-2 (Panel Discussion): Climate-Smart Agrotextiles: Harnessing Textile Innovations for Sustainable and Resilient Agriculture This session will cover the following: <ul style="list-style-type: none">• Climatic Changes, Assessing the impact of Climatic Shifts on Agriculture/ Horticulture.• Role of Agrotextiles in Climate Change Mitigation, Optimizing Microclimate and Growing Conditions and improving Agricultural/ Horticultural Productivity and Quality.	
	Moderator	Smt. Roop Rashi Textile Commissioner, Ministry of textiles
	Panelists	Shri. Ravi Prakash Singh Asst. Director, SASMIRA- COE Agrotech
		Shri. Anand Zambre Executive Director, National Committee on Precision Agriculture & Horticulture (NCPAH)
		Shri. Makrand Appalwar Managing Director, Emmbi Industries Ltd.
		Shri. Vijay Ramakrishnan Sr. Vice President- Technical & New Businesses, Garware Technical Fibres Ltd.
12.30 - 13.15 hrs	Technical Session-3 (Panel Discussion): Innovations in the field of Raw Materials and Functional Additives: Enhancing Performance and Sustainability of Agrotextiles This session objective would be: <ul style="list-style-type: none">• Role of raw material and functional additive in enhancing the performance and durability of agrotextiles in challenging agricultural conditions.• Innovative materials for Agrotextile Development.• Importance of functional additive in minimizing the environmental footprint throughout the production lifecycle.	
	Moderator	Shri. Ravi Prakash Singh Asst. Director, SASMIRA- COE Agrotech
	Panelists	Dr. V. B. Patel ADG (Horti) Science, Indian Agricultural Research Institute (IARI), ICAR, New Delhi
		Shri Abhishek Deb CFO, Eliteck Industries Pvt. Ltd. (Start-up)
		Shri. Akchaya Kumar Sinha General Manager - Polymer Marketing, Reliance Industries Ltd.
		Ms. Maya Grushka Global Product Manager, TosafCompounds Ltd, Israel
Q & A Session		
13.15 - 14.15 hrs	Networking Lunch	

14.15- 15.30 hrs	Technical Session-4 (Panel Discussion): Sustainability, Circular Economy including Recycling issues and Global Benchmarks <ul style="list-style-type: none"> • Significance of reducing carbon footprint, energy consumption, and waste generation in the production and Agrotexile Applications. • Sustainable raw materials and eco-friendly manufacturing processes for agrotexiles. • Challenges and opportunities in recycling agrotexiles. • Innovative recycling technologies and initiatives that promote a circular economy and Global Benchmarks. 	
	Moderator	Smt. Prajakta Verma Joint Secretary, MoT, Gol
	Panelists	Shri. Moloy Chandan Chakraborty Jute Commissioner
		Shri. Mahadeb Datta Dy. Director, National Jute Board
		Dr. Shanmuga Sundaram Director, RDTE- (I/C), CCRI
		Dr. Asha K K Principal Scientist, Central Institute of Fisheries Technology (CIFT), ICAR
		Shri. Dharam Chand Baheti MD, Gloster Ltd.
15.30- 16.30 hrs	Special Interactive Session on Future Growth and Opportunities in Agro Textiles	
		Shri Manoj Ahuja Secretary, Ministry of Agriculture & Farmers Welfare
		Shri. Jaydev Patidar Partner, Gurukripagreenhouse nursery & Agro farm
		Shri. Vijayendra Kumar Principal Secretary, Govt. of Haryana
		Dr. R K Singh ADG (ICAR)
		Shri. Amit Agarwal Chairman, ITTA
		Shri. Ashok Tiwari Sr. Director, SASMIRA
16.30 - 17.15 hrs	Technical Session-5 (Panel Discussion): Recent Advances in Agrotech Technology and Digital Transformation in Agriculture/ Horticulture <ul style="list-style-type: none"> • This session will focus on the Agrotexile Innovation, Digital Transformation in Agriculture and Horticulture, Cutting-Edge Technologies Shaping the Future. • Modern Farming Practices Driving Efficiency and Sustainability in Agriculture/ Horticulture through Digital Solutions. 	
	Moderator	Dr. Amit Rawal Professor, IIT-Delhi
	Panelists	Shri. Surender Makhija Strategic Advisor & Senior Vice-President, Jain Irrigation Systems Ltd.
		Shri. Rathinasamy K S Director-Technical, Enthru Technology Solutions India Pvt. Ltd. (Start-up)
		Shri. V. K. Gupta Chairman, V. K. Packwell Pvt. Ltd.
		Shri. Saurabh Sharma Lead-Institutional Business, Fasal (Start-up)
17.15 - 17.30 hrs	Vote of thanks & Concluding Remarks	Shri Avinash Misar Vice Chairman ITTA
17.30 hrs	Networking Tea	

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Exhibitors

EXHIBITORS

Company Name
Emmbi Industries Limited
V. K. Pack Well Pvt. Ltd.
Indian Technical Textile Association (ITTA)
Garware Technical Fibres Limited
CTM Technical Textiles Limited
Aerotech Eng. Works Pvt. Ltd.
Enthu Technology Solutions India Pvt. Ltd.
The Synthetic & Art Silk Mills' Research Association (SASMIRA)
Association of Indian Technical Textile Startups & Textile Industry Entrepreneurs
KSRCT MSME Business Incubator

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Exhibitors Profile



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EXHIBITORS' PROFILE

Company Name : Emmbi Industries Limited

Address : 158, Dani Corporate Park, C-S Link Road, Kalina, Santacruz East, Mumbai 400098.

Tel No : +91 22 4672 5555/ M: 74984 05270

Email : info@emmbi.com , Sameer.mane@emmbi.com

Website : www.emmbi.com

Contact Person : Sameer Mane

Designation : Manager

Company Profile

Emmbi Industries Limited is a leading manufacturer of woven polymer based products. We are primarily engaged in designing and manufacturing Flexible Intermediate Bulk Containers (FIBCs). Emmbi's Woven Sacks and Liners have a wide range of application in containers, irrigation canals, man-made water bodies, flexible tanks, car covers, furniture covers etc. Our founder father, Mr. M. B. Appalwar's initials are integrated in the name "Emmbi Industries". Established in 1994, the company is now led by first generation entrepreneurs; Mr. Makrand and Mrs. Rinku Appalwar. Emmbi Industries has bagged numerous awards and accolades since its inception. Along the journey, our true success is evident through our prestigious group of clientele across the globe. Our manufacturing unit is located at Silvassa, Gujarat.

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EXHIBITORS' PROFILE

Company Name : V.K. Pack Well Pvt. Ltd.

Address : 44-B, Co-operative Estate, Industrial Area, Dada Nagar, Kanpur –208022, Uttar Pradesh, INDI

Tel No : +91 75100 96111

Email : psmd7@vkgroupindia.in and CC to mdoffice@vkgroupindia.in

Website : www.vkgroupindia.in

Contact Person : Rahul Soni

Designation : Executive Assistant to MD

Company Profile

V. K. Pack Well Pvt. Ltd. is the most trusted manufacturer firm since last 3 decades which is keeping the pace to surpass client expectations by developing the best in-class range of agricultural products with the manufacturing capacity of approx. 20000 MTA from our 7 units based in Kanpur Uttar Pradesh, India. We manufacture a wide range of products as per BIS specifications for catering the needs of "FARMERS". Based on our innovations, we have been granted a patent bearing no: 311316 for HDPE Lapeta pipe by GOI and China also. We possess BIS License – IS 16190 for the same and it is used extensively for water conveyance and irrigation.

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EXHIBITORS' PROFILE

Company Name : Indian Technical Textile Association (ITTA)

Address : 314, 3rd Floor, MIDAS, Sahar Plaza, Andheri-Kurla Road, J.B. Nagar, Andheri-East, Mumbai-400059

Tel No : +91-9769464616

Email : info@ittaindia.org

Website : www.ittaindia.org

Contact Person : Dr. Anup Rakshit

Designation : Executive Director

Company Profile

The Indian Technical Textile Association (ITTA) is the only association of the Technical Textile Industry in India covering all 13 segments, including Composites. The office of the Textile Commissioner, MoT, GoI facilitated the formation of ITTA in January 2010. The objective of ITTA is to promote, support, develop and increase the production, consumption, and export of technical textiles to make India a powerhouse of technical textiles in the days to come. ITTA has nearly 400 members, including members from EU & Japan and representing the entire technical textile value chain from raw material to finished goods producers, machinery manufacturers, consultants, centers of excellence and R&D/Academic institutions.

ITTA represents Different Committees of Ministry of Textiles, GoI such as IMSC, TAMC & ITC under ATUFS, Mission Steering Group (MSG) & Empowered Programme Committee (EPC) under NTTM and takes up various industry issues to state & central govts. ITTA is a member of the working Group on Sustainability Strategies and World Class Conformity Assessment Eco-system for Technical Textiles formed by the Textile Committee. ITTA is member of ten BIS Sectional Committee on Technical Textiles and Speciality Fibres and introduced number of domain expert members to different BIS sectional committees. ITTA regularly organizes National & International level Conferences & Exhibitions Symposiums & Workshops and also regularly organizes Executive Development Certificate Program on key segments of Technical Textiles for the skilled manpower development for the industry.

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EXHIBITORS' PROFILE

Company Name : Garware Technical Fibres Limited

Address : Plot No 11, Block D1, M.I.D.C Chinchwad, Pune, Maharashtra 411019

Tel No : +91 7391061090

Email : staulikar@garwarefibres.com

Website : <https://www.garwarefibres.com/>

Contact Person : Sayeel Talaulikar

Designation : Marketing Manager

Company Profile

Garware Technical Fibres Ltd. is one of India's leading players in the technical textiles sector. Established in 1976, the company today is a multi-divisional, multi-geographical technical textiles company and is known for providing world class innovative solutions in high performance aquaculture cage nets, fishing nets, sports nets, safety nets, agricultural nets, coated fabrics, polymer ropes and geosynthetics.

A thrust on international business over the years has seen Garware Technical Fibres global footprint growing steadily. We have six overseas offices and customers in over 75 countries

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EXHIBITORS' PROFILE

Company Name : CTM Technical Textiles Ltd.

Address : The First, A 504, b/s ITC Narmada Hotel, The First, A 504, b/s ITC Narmada Hotel

Tel No : +91 93743 22111

Email : gm@ctmtechtexile.com

Website : www.ctmtechtexile.com

Contact Person : Mr. Rajeev Gupta

Designation : General Manager

Company Profile

CTM Technical Textiles Ltd., provides extensive range of high-quality agricultural products, including mulching film, shade nets, low tunnel films, anti-insect net, soil solarization film and many more, specifically designed to meet the diverse needs of the agriculture, farming and horticulture industry.

We understand the significance of using dependable and quality materials to support the agriculture sector and we are committed to providing you with the finest products available.

As we aspire to expand our business globally, we believe that your experience and network may provide us with potential business opportunities to collaborate.

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EXHIBITORS' PROFILE

Company Name : AEROTECH ENG. WORKS PVT LTD

Address : Chaltaberiya, PO & PS: Duttapukur, Dist: North 24 Parganas West Bengal, PIN 743248

Tel No : 033 2536 4065/4113

Email : accounts@aerotechgreenhouse.com

Website : www.aerotechgreenhouse.com

Contact Person : AbulBasar

Designation : Marketing Head

Company Profile

Established in the year 2001 at Kolkata, (West Bengal), we "Aerotech" are engaged in fabricating of Hi-tech Green House, Naturally Ventilated Poly green House, Shade net House and wholesaling and trading the best quality Agriculture/Horticulture equipment's.

NATIONAL CONCLAVE ON AGROTECH

"Accelerating Productivity of Agriculture & Horticulture Products"

06th October 2023

Venue : India Habitat Centre (IHC), New Delhi

EXHIBITORS' PROFILE

Company Name : ENTHU TECHNOLOGY SOLUTIONS INDIA PVT LTD

Address : Plot No: 32, P.M.R Layout, 5th Street, Block - B, Deepa Mill Road, Goldwins, Civil Aerodrome Post,
Coimbatore 641014, Tamil Nadu

Tel No : +91 9940584614

Email : ksr@enthutech.in

Website : <https://www.enthutech.in/>

Contact Person : RATHINASAMY K S

Designation : Co-Founder & Director

Company Profile

Enthu Technology Solutions India Pvt Ltd is a next-generation technology company that helps enterprises, start-ups reimagine their businesses for the digitally connected age. we offer customized solutions for

- Smart Agriculture
- Water Management
- Smart Buildings
- Cold Chain
- Poultry
- Customized Industry Solutions

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EXHIBITORS' PROFILE

Company Name : The Synthetic & Art Silk Mills' Research Association (Sasmira)

Address : SASMIRA MARG, Worli, Mumbai 400030

Tel No : +022-24935351

Email : ed@sasmira.org

Website : www.sasmira.org

Contact Person : Dr Ashok Tiwari

Designation : Sr. Director

Company Profile

Established in 1950, SASMIRA has been a stalwart in the textile research arena for over seven decades, consistently driving innovation, research, and excellence. Our commitment to the textile industry was further solidified in 2008 when we designated as Center of Excellence for Agrotexiles by Ministry of Textile, GoI.

SASMIRA's Center of Excellence stands as a testament to our dedication to the integration of agriculture and textile technology. With esteemed collaborations like MANTRA in Surat and Navsari Agricultural University in Navsari, coupled with the invaluable knowledge partnership of the Indian Institute of Technology, Delhi, we strive to set unparalleled standards in the realm of agrotexiles.

What We Offer:

- Revolutionary research and development.
- Comprehensive training programs and workshops
- Advanced incubation facilities and resources for startups
- Expert consultations and technical support
- World-class product testing and certification services

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Venue : India Habitat Centre (IHC), New Delhi

EXHIBITORS' PROFILE

Company Name : AiTTS&TiE – Association of Indian Technical Textile Startups & Textile Industry Entrepreneurs

Address : #264 V Mall KandivaliE, Mumbai – 400101

Tel No : +91-8879598668

Email : aitts.techtextile@gmail.com ; thegreensinc@gmail.com

Website : WWW.AiTTS.Org

Contact Person : Dayal Mehta / Lalit Joshi

Designation : Executive Committee Members

Company Profile

AiTTS (आइट्स) have been conceived with core idea to support more & more Technical Textile businesses specially startups in our country. This support is on multiple fronts like ideation, technology, commercial research & many such subjects where a Technical Textile StartUP experiences hurdles.

The vision & mission explained below shall give a more deeper understanding.

We have segment experts for each specific sector of technical textiles.

Our technical textile experts are mix of different backgrounds, nationality & talent. So that we are able to give best support to our startups.

As the name abbreviates Association of Indian Technical Textile Startups & Textile Industry Entrepreneurs i.e. shorty abbreviated as AiTTS+TiE (आइट्स & टाई)

The vision & mission of AiTTS+TiE (आइट्स & टाई) is to become a mentor organisation for all startups working on Technical Textile products under all 12 application areas such as *MediTech, InduTech, AgroTech, ProTech & beyond etc and TiE having similar mission for Garment & Conventional textile industry entrepreneurs who wish to disrupt the existing industry.

AiTTS+TiE wud be a young, fresh & energetic voice of technical textile industry to all concerned stakeholders in India & on global platforms

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- ✓ Electronics and Communication Engg.
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- ✓ Artificial Intelligence and Data Science
- ✓ Artificial Intelligence and Machine Learning
- ✓ Biotechnology
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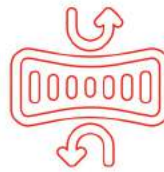
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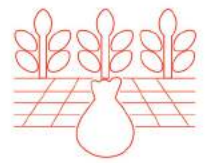
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- Partnering with Central and State Government in framing various textile related policies and schemes.



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Partnering with Government and Other Stakeholders and Ensure Social Relations

HUMAN RESOURCE DEPARTMENT



Enhancing the Textile Industry and Managerial Skills

ECONOMIC RESEARCH CENTRE



Dissemination of Information related to Textile Industry

EVENTS



Texfair

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PRODUCTS BY VK PACK WELL PVT. LTD.

INDIAN PATENT
311316
CHINESE PATENT
ZL201280061688.3

Rain Irrigation System
IS 17728 : 2021

Drip Irrigation System
IS 16627 : 2017

Geomembrane
IS 15351 : 2015

Rain- Gun Irrigation System

Sprinkler Irrigation System

Furrow Irrigation System

Rain Irrigation Quick Coupled

HDPE Lay Flat Tube
IS 16190 : 2014

Tarpaulin
IS 7903 : 2017

Vermibed
IS 15907 : 2010

Grow Bag

Bhusa Jumbo Bag

Mulch Mat

Silage Bag



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Azolla Bed

Fumigation Cover



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- Multi depth Soil Moisture
- Electrical Conductivity
- Temperature
- Soil pH
- Soil Fertility Index

02. Irrigation Automation

- Precision Irrigation
- Improve Production
- Reduced Labour

03. Fertigation Automation

- Precision Fertigation
- Reduced Cost
- Reduced Labour

04. Weather Monitoring

- Temperature, Pressure, Relative Humidity
- CO2, PM2.5, PM10, Light, PAR
- Solar Radiation, UV Index
- Wind Speed, Wind Direction
- Rainfall

05. Water Quality Monitoring

- pH, EC, TDS, Salinity, Turbidity, DO
- Temperature, Ammonia Nitrogen
- Nitrite ION

06. Our Solution Offerings

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- Shade Net Farming
- Hydroponic Farming
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- Poultry Farming

Why EnthuTech?



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Clients

20000+
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Deployed

50+
Industries
Served

100000+
Users
Impacted

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everyday



70 Members

Centralized Data Monitoring ★ Sustainability & ESG goals ★ Predictive Maintenance

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SASMIRA
CENTER OF EXCELLENCE – AGROTEXTILES

SASMIRA is a Center of Excellence for Agrotexiles. MANTRA, Surat, Navsari Agriculture University, Navsari as associate partners and IIT, Delhi as knowledge partner. The Center has been established with support from Ministry of Textiles, Govt. of India.

VISION

To be a global leader in agrotexile solutions, fostering sustainable agriculture through innovation, knowledge dissemination, and transformative technology, for a world where agriculture and Agrotexile technology coexist and thrive.

MISSION

- **Innovative Excellence:**
Engineering state-of-the-art Agrotexiles that provide advanced protection against the extremities of climate, ensuring the flourishing of agriculture in diverse environments.
- **Industry Collaboration & Support:**
Delivering robust testing and technical services, fostering a climate of cooperation and innovation within the industry, and facilitating mutual growth and development.
- **Knowledge Dissemination & Skill Development:**
Spreading enlightenment through comprehensive training and publications, empowering communities to adapt and leverage Agrotexiles for climate resilience effectively.
- **Global Outreach & Partnership:**
Extending the protective embrace of Agrotexiles worldwide through international collaborations, driving global progress in climate-resilient Agrotexile technologies and applications.
- **Sustainable Impact & Eco-consciousness:**
Leading the development and adoption of sustainable agrotexile practices that shield against climatic adversities while preserving ecological balance.
- **Entrepreneurial & Startup Empowerment:**
Providing a nurturing environment, resources, and support for entrepreneurs and startups, fueling the flame of innovation and driving the transformation of ideas into reality in the agrotexile sector.

FACILITIES

- Product Development and incubation facility
- Accredited Testing and certification facility
- Information and Training facility for Agrotexiles

We warmly extend our invitation to all stakeholders to explore and leverage the myriad of opportunities and services offered by our Center of Excellence for Agrotexiles. Whether you are agrotexile manufacturers, raw material suppliers, agriculturists, startups, entrepreneurs, government representatives, academicians, or researchers, we are here to cater to your unique needs and challenges. Our diverse array of facilities, resources, and expertise are at your disposal to foster innovation, knowledge, and growth in the field of agrotexiles. Let's collaborate to weave a future where agriculture and textile technology converge to create sustainable and groundbreaking solutions.

For Details Contact:

Senior Director

The Synthetic & Art Silk Mills' Research Association (SASMIRA)

SASMIRA Marg, Worli, Mumbai - 400 030

Tel: 022-24935351 Fax: 022-24930225

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**FOR MORE INFORMATION AND REGISTRATION,
KINDLY CONTACT**



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