



COMPENDIUM ON SEMINARS AND WORKSHOPS ON TECHNICAL TEXTILES 2011-12: REPORTS/OUTCOMES

Organized By
The Office of Textile Commissioner (OTXC)
Ministry of Textiles

On
Technical Textiles in Financial Year 2011-12

Under The
Technology Mission on Technical Textiles (TMTT)

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A. Background

Under the Technology Mission on Technical Textile (TMTT), the Ministry of Textiles in the Mini Mission II of TMTT has provided support for organizing workshops and seminars for awareness creation about technical textiles. Such workshops/seminars/trainings are organized with an objective of informing the stakeholders about the growing potential of technical textile industry in India, and providing a platform where stakeholders can interact with each other and exchange first-hand information. These seminars/workshops are organized with the fund support from the Office of Textile Commissioner, Ministry of Textiles, Government of India, in association with reputed industry associations such as FICCI, CII, ICC etc. The workshops / seminars are also organized by regional offices of textile commissioner and the Center of Excellence (COE) established under TMTT.

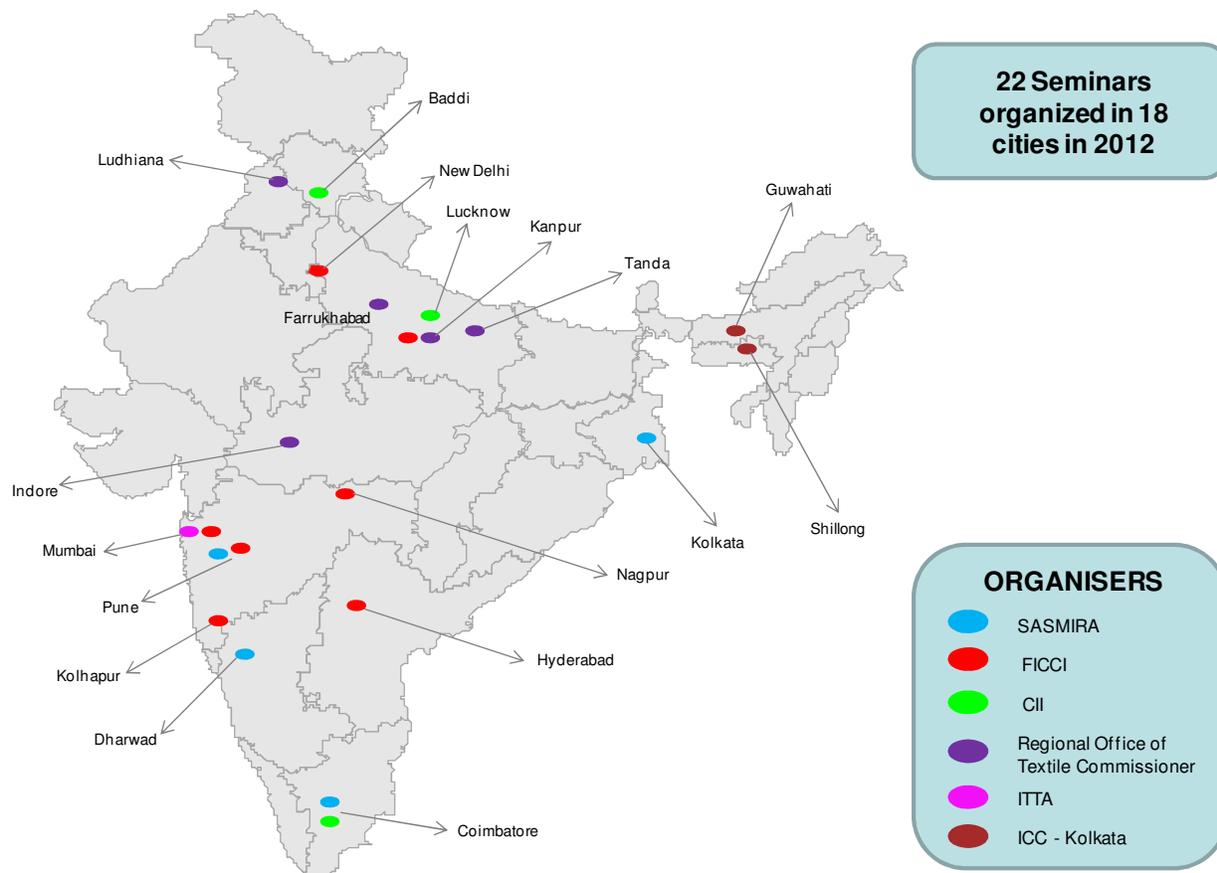
These events typically attract participation from industry leaders, government representatives, potential investors, educational institutes and media. Stakeholders from all the spheres address the participants about various aspects of technical textiles including market size, growth potential, business model etc.

Technical Textiles is an upcoming and rapidly growing field in developed countries across the world. One of the primary deterrents in further growth of Technical Textiles in India is the lack of awareness about the Technical Textiles amongst the users. The seminars/workshops conducted under the Mini Mission II of TMTT have the objective of creating awareness amongst masses about the advantages and usage of Technical Textiles. Such seminars/ workshops/trainings are attended by various user segments of the Technical Textiles across the country for e.g. the participants learn about the technological and commercial benefits of manufacturing and using the Technical Textiles. The participants are also apprised of the various manufacturing technologies, consulting services and support available from the government under TMTT entrepreneurs.

B. Executive Summary

During the year 2011-12, the Office of Textile Commissioner organized a total of 20 seminars/ workshops across different cities in India. Locations for organising seminars were chosen at the places which had clusters of textile manufacturers in the nearby areas. This ensured the maximum participation from the interested and potential entrepreneurs. The following chart represents the geographical coverage of the seminars organized during FY 2011-12.

Seminars under TMTT in FY 2012



The seminars had an impressive response in all cities with remarkable turnout. Mega events such as Technotex 2011 organized in Mumbai witnessed more than 5000 visitors. Similarly the Kisan Mela organized in Pune witnessed more than 50,000 visitors. The seminars organized in smaller cities had an average turnout of about 150-200 participants. The seminars also acted as launch platform for informational publications like Compendium on Standards on Technical Textiles, Handbook of Geotextiles etc. The participant mix included technical textile manufacturers, textile companies, machinery manufacturers, potential investors, academicians, consultants and media. Following is the list of all seminars / workshops organized during the year.

List of Seminars organized under TMTT during FY 2012

S. No	Programme	Associated by	Date	Place
1	Seminar on Protective Agrotextiles-Advantages & Future Prospects	SASMIRA in association with Tamil Nadu Agriculture University (TNAU), Coimbatore	07.06. 2011	Coimbatore, Tamil Nadu
2	One day Workshop on Protective Textile & Workwear	FICCI, Western Regional Council	08.07.2011	Kanpur, Uttar Pradesh
3	Road show on Restructured TUFS and technical textiles	Regional Office of the Textile Commissioner, Amritsar.	21.07.2011	Ludhiana, Punjab
4	A Conference on Technical Textiles focus on Medical and infrastructure sectors	CII	26.07.2011	Coimbatore, Tamil Nadu
5	Seminar cum interaction meet on Restructured TUFS, Technical Textiles & Govt. schemes	Regional Office of the Textile Commissioner, Kanpur.	12.08.2011	Kanpur, Uttar Pradesh
6	TECHNOTEX	FICCI, Department of Chemicals & Petrochemicals, MoT	25 to 27.08.2011	Mumbai, Maharashtra
7	One day Seminar on Protective Agrotextiles-Advantages & Future Prospects*	SASMIRA & University of Agricultural Science, Dharwad	19.09.2011	Dharwad, Karnataka
8	One day Interactive workshop on "Opportunities in Technical Textiles & Non wovens"	FICCI, WRC	25.11.2011	Kolhapur, Maharashtra
9	One day National Seminar on "Role of Standards in Promotion of Technical Textiles"	FICCI, New Delhi	30.11.2011	New Delhi
10	Seminar on Technical Textiles and awareness Programmes	RO- Kanpur	13.12.2011	Tanda, Uttar Pradesh
11	Participation & exhibition in Kisan 2011	SASMIRA, Mumbai	14 to 18.12.2011	Pune, Maharashtra
12	A Conference on technical textiles	FICCI, WRC	15.12.2011	Pune, Maharashtra
13	One day seminar on "Opportunities for Technical Textiles in Andhra Pradesh"	FICCI, Hyderabad	16.12.2011	Hyderabad, Andhra Pradesh
14	A Conference on technical textiles	FICCI, WRC	27.12.2011	Nagpur, Maharashtra
15	Seminar on Technical Textiles	CII, ND	24.01.2012	Lucknow, Uttar Pradesh
16	Seminar on Technical Textiles	MANTRA & RO Indore	09.02.2012	Indore, Madhya Pradesh
17	Geotextiles in Roads	ITTA	24.02.2012	Mumbai, Maharashtra
18	Seminars on Geo Textiles & Agrotextiles	ICC, Kolkata	01.03.2012	Guwahati, Assam
19	Seminars on Geo Textiles & Agrotextiles		02.03.2012	Shillong, Meghalaya
20	Seminar on Protective Agrotextiles - Advantages and Future Prospects	SASMIRA, Mumbai	22.03.2012	Kolkata, West Bengal
21	Seminar on Technical Textiles	CII	24.03.2012	Baddi, Himachal Pradesh
22	Seminar on Technical Textiles	RO- Kanpur	27.03.2012	Farrukhabad, Uttar Pradesh

These seminars have invoked large amount of interest in the potential investors in the technical textile sector. Eminent speakers from the industry as well as government and institutional bodies addressed the audience during these seminars and meaningful discussions about business models, financial returns,

technology etc. took place between the relevant stakeholders. These workshops provided an interactive platform for industry stakeholders to discuss about technical textile market, and such forums were widely appreciated by the participants.

C. Workshop / Seminar details

1. Seminar On Protective Agrotexiles – Advantages And Future Prospects



a) Event background

Date	7 th June 2011
Location	Coimbatore
In Association With	SASMIRA & Tamil Nadu Agriculture University (TNAU)

A Seminar on Protective Agrotexiles-Advantages & Future prospects, at SVPITM Auditorium, SVPITM, Coimbatore was held on 7th June, 2011 jointly organised by The Office of Textiles Commissioner and SASMIRA in association with Tamil Nadu Agriculture University (TNAU), Coimbatore.

The seminar was inaugurated by Prof. Dr. P. Murugesaboopathi, Vice Chancellor, TNAU, Coimbatore. The seminar had focused upon the users of agrotexiles i.e., agriculturist. Around 120 participants attended the Seminar. During the day deliberations were made by State Horticulture Board, NABARD Bank, SASMIRA (Center of Excellence for Agrotech), Mumbai, Researchers, raw material suppliers, market researchers and local farmers to highlight the State Govt. initiatives, COE facilities, research on Agroproducts and their uses and benefits of agrotexile products.

b) Event highlights / outcome

- 120 participants from various categories including State Horticulture Board, NABARD Bank, Center of Excellence, researchers, raw material suppliers, educational institutes and local farmers
- Display of agrotexile products by CTM Textiles and Reliance Industries
- The event was organized in local language to connect effectively with the participants
- The participants insisted upon more focused programmes for Agrotexiles highlighting their usage and techno-economics in their region.

2. One Day Workshop on Protective Textile & Workwear



a) Event background

Date	Friday, 8th July, 2011
Location	Kanpur, Uttar Pradesh
In Association With	FICCI Western Region Council

A Seminar on Protective Textile & Workwear, at The Landmark Hotel, 10, Mall Road, Kanpur was held on 8th July June, 2011 jointly organised by The Office of Textiles Commissioner and FICCI Western Region Council.

The seminar was attended by key dignitaries from government as well as industry. The event had speakers from the Ordnance Parachute Factory, DGSND as well as manufacturers from the industry including Shri Lakshmi Cotsyn Ltd., Modern Apparels, M-Kumar Udyog etc. Director of COE Protech and 2 of the empanelled consultants under business start-up scheme also addressed the gathering during the event.

Dr. J. V. Rao, Director, NITRA, CoE Protective Textiles informed the gathering about the importance and utility of Protective Textiles and high rate of growth of Protective Textiles segment in textile industry.

Around 150 participants attended the Seminar. During the day key discussion points included Marketing Opportunities in Protective Textiles, Demand & Constraints in Defence, High Altitude clothing, Demand of Bullet proof fabrics and FR Fabrics, Hand Protection aspect, Quality aspects, Ordnance factory requirements.

b) Event Highlights/Outcome

- Raw materials should be made available at competitive prices for the manufacturers of protective textiles.
- Category wise norms for Protective Textiles should be introduced as per the degree of hazards i.e., minor, major or fatal. In case of major and fatal hazards not only raw material but also the manufacturing process standards should be tested and certified by recognized testing laboratories.
- A sub-committee should be formed to work with Bureau of Indian Standards (BIS) to draft the required legislations for protective textiles.

3. Road Show on Restructured TUFS and Technical Textiles



a) Event background

Date	21 st July, 2011
Location	Ludhiana, Punjab
In Association With	Regional Office of Textile Commissioner, Amritsar

A Road show on Restructured Technology Upgradation Fund Scheme & Technical Textiles was held on 21.07.11 at Hotel Park Plaza, Ludhiana by the Regional Office of Textile Commissioner, Amritsar to promote the TUFS Scheme & Technology Mission on Technical Textiles (TMTT). The Road Show was inaugurated by Shri A. B. Joshi, Textile Commissioner and more than 325 participants attended it. Delegates consisted of participants from prominent industry associations like Knitwear club, Shawl Club, NITMA, Ludhiana Spinners Association, Apparel Manufacturers Association, Motinagar Powerloom Association, Textile Colony Small Scale Powerloom Association were there

b) Event Highlights /Outcome

- Companies like Nahar Industrial Enterprises, Vardhaman Group, Trident Industries, Indo Rama were also represented at the road show.
- The road show was also attended by potential investors from renowned textile clusters such as Amritsar, Jalandhar, Lalru, Chandigarh, Baddi, Salon and Nalagarh.
- The shortage of skilled man-power in textile industry was discussed and the local association requested the ministry to consider opening of a vocational training center in Ludhiana.
- Various government schemes were explained to the audience and detailed discussions were held on TUFS and other related schemes.

4. Conference On Technical Textile With Focus On Medical And Infrastructure Sector



a) Event background

Date	26 th July, 2011
Location	Coimbatore, Tamil Nadu
In Association With	CII

A Conference on Technical Textiles with focus on Medical and Infrastructure sectors was organized by CII at Coimbatore on 26.07.2011 and it was supported by Office of the Textile Commissioner. The conference was inaugurated by Sh.Sujit Gulati, Joint Secretary, Ministry of Textiles. The Textile Commissioner was also present and chaired a session in the conference.

b) Event Highlights/Outcome

Following were the key recommendations that emerged during the conference:

- i. **Import Duty:** The biggest challenge to the industry is the high import duty on raw materials, as a lot of fibers are consumed in the technical Textiles which are not available in India. Zero import duty for the growth of Technical Textiles in India should be considered by the government.
- ii. **Safety regulations:** There is a need to come up with mandatory regulations for safety in industry by using technical textiles products and link safety procedures to Insurance for the safety of the industrial workers.
- iii. **Centres of Excellence:** There is a need to create more Centres of Excellence (CoEs) with focus on key functional areas in Technical Textiles in India which would contribute to the growth of the sector. There are more than 40 CoE's in China.
- iv. **Human Resource:** Need to project Technical Textiles as an intellectually rewarding career option for the youth.
- v. **Technology:** Focus on understanding different technologies, as from single technology, multiple products can be manufactured.
- vi. **Technical usage:** Industry needs to be made aware of the usage of Polyester and polypropylene in technical textiles for usage in agriculture to improve quality and yield. Transportation industry should be made aware of the growing role of composites in heavy vehicle transportation and aviation sectors. Rather than waiting for demand, focus should be on creation of demand.

5. Road show on Technical Textiles Restructured TUFS and Technical Textiles



a) Event background

Date	12 th August, 2011
Location	Kanpur, Uttar Pradesh
In Association With	Regional Office of Textile Commissioner, Kanpur

A Road show on Technical Textiles & Restructured Technology Upgradation Fund Scheme (TUFS) was organized at Kanpur on 12.08.2011. Smt. Rita Menon, (Secretary Textiles – Feb 2009 to Dec 2011), Government of India was the Chief Guest and Shri Alok Kumar, Secretary Government of Uttar Pradesh was the Guest of Honour. In this program, Shri Sujit Gulati, Joint Secretary, Ministry of Textiles, Government of India informed the participants about the potential in the field of technical textile industry & government's support for promotion and development of technical textiles industry.

b) Event Highlights/Outcome

- The Road Show was a huge success as more than 150 participants from all sectors attended.
- Shri A. B. Joshi, Textile Commissioner informed the delegates the utilization of various schemes, especially TUFS, was lagging in Uttar Pradesh compared to other states in India. He called upon the delegates to take benefits of the government schemes explained by senior functionaries of the Textile Ministry during the workshop, for the growth and development of textile industry in U.P. and Uttaranchal.
- Smt. Madhavi Das, Director, Ministry of Textiles, informed the participants about gap of the skilled workforce in textile & garment industry & steps taken by the government to address the said need.

6. Technotex 2011



a) Event background

Date	25th – 27th August 2011
Location	Mumbai, Maharashtra
In Association With	FICCI, Department of Chemicals & Petrochemicals, MoT

Technotex 2011 was a one of its kind international conference and exhibition on technical textiles, jointly organized by FICCI, Ministry of Textiles and Department of Chemicals & Petrochemicals, Government of India. It was a three day event with seminars on initial 2 days and exhibition on all 3 days. The state of Maharashtra was the host state for the event, while the states of Gujarat, and Karnataka were partnering states in the event. The event theme was “Enabling framework for accelerating growth and investments”, with an objective of highlighting the important global developments and emerging trends in the technical textiles industry. The conference had participation from central and state governments, institutional buyers and sellers and delegates from India and abroad.

The conference was inaugurated by Shri. Anand Sharma, Hon'ble Union Minister for Textiles, with Shri. Prithviraj Chavan, Hon'ble Chief Minister (C.M.) of Maharashtra as the Guest of Honour, Shri R. Varthur Prakash, Hon'ble Minister of Textiles, Government of Karnataka, Shri. Mohd. Arif Khan, Hon'ble Minister of Textiles, Government of Maharashtra and Smt. Rita Menon, Secretary, Ministry of Textiles addressed the delegates in the opening session of the conference. Post the inaugural session, a roundtable meeting of seven CEOs from leading companies in technical textiles sector in India was organized with the ministers. The agenda of the roundtable session was to discuss the support that industry expects from the government, and the initiatives that could be undertaken to foster the growth in the industry.

Key highlights of the event:

- 102 companies participated as exhibitors. There was a separate China pavilion in the exhibition and three State Pavilions
- Over 280 delegates attended the Conference, including 133 state delegates (Gujarat 30, Maharashtra 88, Karnataka 15)
- 41 speakers addressed the delegates and made presentations.
- Representation from Italy, China, Switzerland, USA etc. International Exhibitors included TexTest, FIL VA SRL, Swiss Textile College etc.

- More than 5000 business visitors attended the exhibition during the three days
- b) Event outcome**
- Two knowledge papers released during the event:
 - Enabling framework for accelerating growth and investments in technical textiles in India
 - Compendium on Centres of Excellence
 - 29 one to one meetings between buyers and sellers of technical textiles
 - 8 meetings with institutional buyers such as CISF, Railways, Army, NHAI, Navy, BRO etc.
 - Hon'ble Textile Minister, Mr. Sharma mentioned that government and the industry will work closely to address the points made in the CEO roundtable. Important points emerging from his address included:
 - Given the importance of R&D in technical textiles sector, the CoEs will be equipped with world class infrastructure and will be designed according to global benchmarks
 - Financial support will be made available to startups for developing the MSME sector. Government will discuss ways of supporting manufacturers in India to acquire stressed units abroad
 - Government will promote institutional linkages, within the country as well as internationally
 - There were participants from various categories including State Horticulture Board, NABARD Bank, Center of Excellence, researchers, raw material suppliers, educational institutes and local farmers

7. Seminar on Protective Agrotextiles – Advantages & Future Prospects



a) Event Background

Date	19 th September, 2011
Location	Dharwad, Karnataka
In Association With	SASMIRA & University of Agriculture Science, Dharwad

A Seminar on Protective Agrotextiles-Advantages & Future prospects, at UAS New Auditorium, University of Agricultural Sciences, Dharwad was held on 19th September, 2011. The seminar was jointly organised at Dharwad, Karnataka by The Office of Textiles Commissioner, Mumbai and Synthetic & Art Silk Mills' Research Association (SASMIRA), Mumbai in association with University of Agricultural Sciences (UAS), Dharwad.

The seminar was inaugurated by Prof. Dr. L. Krishna Naik, Director Extension Education, UAS, Dharwad. The seminar had focus on the users of agrotextiles i.e., agriculturists. Around 150 participants attended the Seminar. During the day deliberations were made by SBI Bank, SASMIRA (Center of Excellence for Agrotextiles) Mumbai, researchers, raw material suppliers, manufacturers and local farmers to highlight the State Government initiatives, COE facilities, research on Agroproducts and their uses and benefits of agrotextile products. The programme was conducted in the local language.

b) Event Highlights/Outcome

- The program generated huge interest and there were a total of 150 participants in the seminar.
- The papers disseminated by the speakers were well received by the audience and the deliberations evoked keen interest amongst till the end of the Technical sessions and also during the panel discussion.
- There were displays of agrotextile products from Reliance Industries and SAPPL, Ahmedabad.
- The participants insisted upon more focused demonstration of the usage of the products in the region and commercial feasibility of using them.

8. Workshop on Opportunities in Technical Textiles and Non Wovens



a) Event background

Date	25th November 2011
Location	Kolhapur, Maharashtra
In Association With	FICCI, WRC and Office of Textile Commissioner, Mumbai

An interactive workshop was organized at Hotel Raysons Regency, Kolhapur, Maharashtra on 25th November 2011 by the Office of Textile Commissioner, Mumbai in association with FICCI Western Region Council.

The inaugural session had deliberations from the Chief Guest, Shri. P. K. Awade, Ex. Minister For Textiles (Maharashtra State), Mr. Ajay Pandit, Deputy Director, Office of the Textile Commissioner, Mumbai, Prof. (Dr.) C. D. Kane, DKTE Society's Textile & Engineering Institute, Ichalkaranji.

The seminar was attended by industry members, DKTE Society's Textile & Engineering Institute (COE Nonwovens), empanelled consultants under TMTT and academia. There were deliberations and presentations about the potential of non wovens and sample business models for potential entrepreneurs in and around Kolhapur. Mr. Avinash Mayekar, CEO, Suvin Advisors Pvt. Ltd, Mr. Satyajeet Bhosale, Deputy GM, RIL, Mr. Pradeep Deshpande, Marketing Head, Illies Eng. Pvt. Ltd, Mr. Sanjay Murabatte, ATE Group, Mr. Pinkal Shekhaliya, KP Tech Nonwoven, Dr. S. B. Vhanbatte, Ass. Prof., DKTE Society's Textile & Engineering Institute were the key speakers at the gathering.

The key discussion points included Costing, Potential of Nonwoven Industry in India and Role of CoE, Roadmap for Entry into Technical Textiles, Investment Opportunities in PP Nonwovens, Nonwoven Machinery, Technical Textiles Project Business Model, PP Nonwoven Bags.

b) Event Highlights/Outcome

- The program generated huge interest and there were a total of 120 participants in the workshop.
- It was discussed that Ichalkaranji cluster manufacturers can look at starting with manufacturing of spunbond fabrics, and subsequently add packaging machines and later get into medical textiles.
- In terms of machinery, it was discussed that potential investors can start with wrap-knitting machinery and gradually move on to spun bond machinery.
- Agrotech products can be pushed through the route of women Self-Help Groups, i.e. women in villages will stitch bags and produce certain basic agriculture textile products and sell it to farmers in their community

- Inclusion of technical textiles in SOR, where ever applicable, should be made mandatory
- Agrotech products should be channelised through The National Committee on Plasticulture Applications in Horticulture (NCPAH) and KisanVigyaan Kendra
- Disposal of consumable medical textiles in medical industry is often perceived as a cumbersome task, and is therefore acting against growth of medical textiles. Municipal corporations should be roped in to ensure smooth disposal of consumable medical textiles
- Awareness about technical textiles should be created at schools. E.g. during a tree planting drive organized by rotary clubs and schools, the children should be demonstrated planting a tree using nonwovens covers
- A survey of large scale textile units should be undertaken to understand the reasons they perceive as deterrents for entering into technical textiles.

9. National Seminar on Role of Standards in Promotion of Technical Textiles



a) Event background

Date	30 th November 2011
Location	New Delhi
In Association With	Ministry of Textiles, BIS, FICCI

Ministry of Textiles, Bureau of Indian Standards (BIS) and FICCI jointly organized a National Seminar on "Role of Standards in Promotion of Technical Textiles" on 30th November, 2011 at Federation House, Tansen Marg, New Delhi. The primary objective of the Seminar was to deliberate on standards that need to be formulated urgently by Bureau of Indian Standards to promote the growth of technical textiles in the country and also to ensure better health, hygiene and safety of people. This seminar was a follow-up action of TECHNOTEX 2011, which was organized by Ministry of Textiles and FICCI in August 2011 in Mumbai.

Over 110 delegates attended the seminar and had participation from BIS, central government, institutional buyers and sellers, manufacturers and other stakeholders from the industry. Ms Rita Menon, Secretary, Ministry of Textiles inaugurated the seminar and delivered the inaugural address in the opening session of the seminar.

b) Event Highlights/Outcome

- A compendium on standards was released during the event. The compendium provides comprehensive information on standards available in India for various technical textile products.
- In the inaugural session, Mr Alinda Chandra, (IFS) ADGT, BIS suggested that BIS and textile industry may consider holding a series of interactive workshops/ seminars throughout the country to educate the producers and the users about the technological and economic benefits of using technical textiles.
- The program generated huge interest and there were a total of 120 participants in the workshop.
- Mr. A.K. Bera, Scientist 'E', BIS during his presentation expressed the non-availability of Doctors/ Medical fraternity in the Technical Committee (TXD36) meeting for formulating the standards for Meditech, thus limits the domain specific inputs from the experts. He further requested Dr. R.K. Pathni and Dr. (Ms) AnjanPrakash to attend the upcoming meeting of Technical Committee to be held in Feb 2012 and provide their inputs on standard formulations. Mr A K Bera may send the invitations to Dr. R.K. Pathni and Dr. (Ms) AnjanPrakash to attend the aforesaid meeting of Technical Committee.

- Dr. (Ms) AnjanPrakash, Additional Medical Superintendent, RML Hospital recommended that revision is required in IS 758:1988 - Specification for handloom cotton gauze, absorbent, non-sterilized, as specifications outlined under this standard are dated.
- Dr. (Ms) AnjanPrakash suggested that there is an urgent need of formulating standards for disposable / bio-degradable bed sheet used in Hospitals. Shri A B Joshi, Textile Commissioner requested the representative from SITRA to instigate the formulation of standard for disposable/ bio-degradable bed sheets in consultation with the industry.
- Mr J K Gupta from BIS during his presentation recommended that following standards should be immediately made mandatory under the BIS Act in the interest of public health, safety and environment
 - IS 15741:2007 - Textiles - Resistance to ignition of curtains and drapes – Specification – for using curtains and drapes in public places
 - IS 15742:2007 - Textiles - Requirements for clothing made of limited flame spread materials and material assemblies affording protection against heat and flame - Specification
 - IS 15748:2007 - Textiles - Protective clothing for industrial workers exposed to heat (excluding firefighters' and welders' clothing)
 - IS 15768:2007 - Textiles - Resistance to ignition of upholstered composites used for non-domestic furniture – Specification
- The indicative list of subjects on which test procedures need to be developed, as suggested by Mr A V Sinha, Advisor, IRC, are as follows:
 - Determination of friction between the soil and Geotextile reinforcement at different levels of strain
 - Determination of vulnerability of Geotextiles to chemicals and microbiological substances present in soil and water
 - Determination of the effects of creep and long term stability
 - Determination of relationship between ultimate strength and design strength

10. Seminar On Technical Textiles and Awareness Programme

a) Event background

Date	13 th December 2011
Location	Tanda
In Association With	Regional Office of Textile Commissioner – Kanpur, NITRA Powerloom Centre, Tanda

A seminar on 'Various Applications of Technical Textile Products for the Development of the Textile Industry' was organised by Regional Office of Textile Commissioner – Kanpur at NITRA Powerloom Service Centre at Tanda was held on 13th December, 2011.

Sh. NK Singh Assistant Director, Regional Office of Textile Commissioner – Kanpur welcomed the gathering in the beginning of the seminar. Sh. Anis Ahmad, General Manager and H.O.D. (Rtd.) NTC Ltd., Bangalore, was the Chief Guest of the occasion and Shri. Haji Iftekhar Ahmad Ansari, State president Uttar Pradesh Bunkar Sabha, Mohalla, Naipura was the Guest of Honour. After the welcome address Mr NK Singh deliberated about the various applications of the Technical Textile products and urged the industry to reap the benefits of the support from the government.

Sh. Anis Ahmed assured his full cooperation through local bodies for making all efforts to popularise the Technical Textiles among the entrepreneurs and encourage them to take the benefits of the schemes for Technical Textiles.

b) Event Highlights/Outcome

- The seminar was attended by more than 70 participants including powerloom weavers and leading entrepreneurs.
- Sh. Anis Ahmad assured his full cooperation in making all efforts to popularise the Technical Textiles among the entrepreneurs.

11. Kisan 2011



a) Event background

Date	14 – 18 th December 2011
Location	Pune
In Association With	SASMIRA, CTM Textiles, ShriAmbica Polymers, Kisan Forum Pvt. Ltd

'Kisan' trade show is one of the largest exhibitions for Agricultural and allied sectors in India. It attracts a large number of people from every part of India. It provides a platform for agricultural and allied sectors to display their products, new developments and technologies to the farmers, who in turn get the opportunity to observe, analyse and compare the variety of options available in the market. Kisan 2011 was organized in Pune from 14th December 2011 to 18th December 2011 by SASMIRA in association with Kisan Forum Pvt. Ltd, CTM Textiles and ShriAmbica Polymer Pvt. Ltd.

Kisan 2011 was a trade show cum seminar on agriculture. The objective of the event was to provide a common platform to exhibitors from agriculture & allied sectors, so as to facilitate business networking among them and to formulate a new strategy for better growth of agriculture sector. The trade fair was an endeavour to bring the farmers face-to-face with innovative technologies in the agriculture.

Centre of Excellence (COE) Agrotech, SASMIRA established plots for live demonstration of shade nets, banana bunch cover, crop cover, insect protection net, leno bags and mulch fabric. Apart from live demonstration, samples of many other Agrotexiles like Anti-Hail net, Bird protection net etc. were also displayed. Pamphlets and booklets (in Hindi, English & Marathi) containing information about various Agrotexile products and services available at COE-Agrotech were also distributed to the visitors during the five day program. An audio visual film (Marathi language) on Agrotexiles usage & benefits was also displayed during all five days of the event.

b) Event Highlights/Outcome

- More than 50,000 people visited SASMIRA's stall (approximately 10000 people per day) during the five day program.
- It was found that many farmers have already started using Agrotexile Products and others have shown their keen interest about the Agrotexile Products.
- Among all the Protective Agrotexile Products, the shade nets are being used most popularly but in limited applications, mainly for capsicum and chillies.

- Most of the farmers are not aware about right kind of shade percentage and colour of the shade-net for their crops.
- Farmers are also facing problems regarding quality of the Agrotextile Products. Like other products farmers want to have certified products which can provide the quality assurance.
- Mulch films are more popular than mulch fabric because of low price. There was low awareness amongst the farmers about certain Agrotextile products like Harvest net, Mulch mats and Anti-hail net etc.
- The visitors at Kisan 2011 were progressive farmers, consultants, Academicians, importers/exporters, Food processing companies, farming tool developmental agencies, agri and dairy cooperatives and bulk buyers.
- The exhibitors at Kisan Fair 2011 were firms/companies dealing in Agriculture equipment/ machinery, farm implements, seed and planting materials; fertilizers, pesticides and irrigation systems; material handling equipments, agro processing, packaging and agri-business services; equipments/machineries related to poultry and dairy farming industry; machinery/equipments related to sericulture, aquaculture, animal husbandry and bio technology; Agrotextile Industry.

12. One Day Interactive Workshop on “Technical Textiles”



a) Event background

Date	15 th December 2011
Location	Pune
In Association With	FICCI-WRC

A one day interactive work-shop on Technical Textiles at MCCIA Trade Tower was held on 15th December, 2011. The workshop was organised by FICCI-WRC in association with Office of Textile Commissioner, Mumbai.

The seminar was inaugurated by the Chief Guest Shri. A. B. Joshi, Textile Commissioner. Through the day there were deliberations from empanelled consultants for business start-up intervention and Dr. P K C Bose, MD & CEO, Saertex India Ltd, Mr.SatyajeetBhosale, Deputy GM, RIL, Mr.ApoorvaRanka, MD, Alfa Foam, Mr.RatnakarMahajan, Maccaferri India Ltd and Mr.NitinBavkar, Director, Dornier Machinery India Pvt Ltd. The purpose of the one day workshop was to create awareness amongst the masses about TMTT and Business Start-up Support under TMTT in Technical Textiles, Emerging Applications, Advantages and Standardization of Technical Textiles, Investment Opportunities in Polypropylene Nonwovens, Applications of Geotextiles, Opportunities in Nonwoven, Opportunities in Woven Textiles. There were 93 delegates participating in the workshop.

b) Event Highlights/Outcome

- There is a necessity for increasing the awareness amongst consumers about Technical Textile products and their advantages such as better hygiene, cost effectiveness, protective usage etc.
- Need to introduce Technical Textile specific courses and specializations in the curriculum of various technical streams like Textile, Mechanical, and Chemical Engineering courses. This will result in the increased availability of skilled manpower for Technical Textiles.
- It is required to frame rules for mandatory usage of Technical Textiles, such as fire-retardant fabric in cinema halls etc., seat belts and airbags in cars, to create urgency among both manufacturers and consumers to make use of these products.
- Provide subsidies to poor consumers e.g., farmers to buy Agrotech products.
- Establish guidelines and standards for the usage and manufacturing of products where it is necessary to follow standards for appropriate usage.

13. One Day Seminar On Opportunities In Technical Textile



a) Event background

Date	16 th December 2011
Location	Hyderabad, Andhra Pradesh
In Association With	FICCI & Regional Office of Textile Commissioner, Bangalore

Regional Office of Textile Commissioner Bangalore, in association with FICCI Hyderabad organized a one day seminar on Technical Textiles at Hotel Golkonda, Masab tank, Hyderabad on 16.12.2011.

Sh. Ravi Kiran, Assistant Director, FICCI, Hyderabad, gave the welcome address and Sh. T. L. Balukumar, Deputy Director and OIC, Regional Office of Textile Commissioner, Bangalore informed the gathering about various initiatives taken by Government of India for the growth of Technical textiles sector. Sh. T. Ethirajulu, Additional Director, Handloom & Textiles and Development Commissioner, Apparel Exports, Government of Andhra Pradesh was the chief guest of the conference. He emphasised that both Central and State Governments are encouraging Textiles Industry. Dr. V. K. Kothari, Professor, Department of Textiles, IIT, New Delhi informed the gathering about the emergence and importance of Technical Textiles.

The event was attended by 135 delegates including Additional Director, Handloom and Textile Development Commissioner of Andhra Pradesh, technical textile manufacturers, machinery manufacturers, academicians from IIT Delhi and Osmania University and empanelled consultants under TMTT. The key papers discussed during the seminar included overview of technical textiles, key application of technical textiles, government schemes for promoting technical textiles, speciality finished for automotive textiles etc.

b) Key Findings/Outcome

- Andhra Pradesh government is keen on establishing textile and apparel parks in Hyderabad and technical textile units can take benefits of such parks when they are established.
- Good quality raw material availability at affordable price is of utmost importance for technical textile industry to grow and flourish in India
- There were one to one meetings between the empanelled consultants and interested investors for starting up new technical textile units.

14. One Day Interactive Workshop on “Technical Textiles”



a) Event background

Date	27 th December 2011
Location	Nagpur
In Association With	FICCI-WRC

A one day interactive work-shop on Technical Textiles organised by FICCI-WRC in association with Office of Textile Commissioner, Mumbai at Pride Hotel, Nagpur was held on 27th December, 2011.

The seminar was inaugurated by the chief guest Shri. A. B. Joshi, Textile Commissioner. Mr. Praveen Rander, Director, ShriBhagirath Textiles Ltd, Mr.HemantSonare, Secretary, TAI (Vidarbha Unit), Mr. Kishore Thutheja, Director, Lords Wear Pvt. Ltd. were other speakers at the inaugural session. Through the day there were deliberations from Mr.AvinashMayekar, CEO, Suvin Advisors Pvt. Ltd, Mr.ShrikantGadge, Textile Consultant, SPG Consultancy, Mr. V. Kannan, Business Head, RIL, Mr.PradeepDeshpande, Marketing Head, Illies Engineering India Pvt Ltd andMr.NitinBavkar, Director, Dornier Machinery India Pvt Ltd.

The purpose of the one day workshop was to create awareness amongst the masses about Technology Mission on Technical Textiles and the Business Start-up support in Technical Textiles under TMTT, Emerging Applications, Advantages and Standardization of Technical Textiles, Investment Opportunities In Polypropylene Nonwovens, Applications of Geotextiles, Opportunities in Nonwovens, Opportunities in Woven Textiles. A total of 74 delegates participated in the workshop.

b) Event Highlights/Outcome:

- To strive for joint ventures and strategic alliances with international companies for transfer of technology and expertise in this sector.
- To understand customer needs and cater to the fast growing domestic demand for technical textile products
- Requirement of investment in large scale projects to gain advantages of economies of scale
- Investment in marketing and R&D is required in the technical textiles sector.
- To increase the thrust upon supply chain effectiveness.

15. Conference on Emerging Opportunities in Technical Textile Sector in India



Mr Ved Krishna, Chairman CII UP State Council addressing the gathering



The audience at the conference

a) Event background

Date	24 th January 2012
Location	Lucknow
In Association With	CII

A conference on “Emerging opportunities in Technical Textiles Sector was organised in Lucknow, Uttar Pradesh by CII on 24th January, 2012.

The conference was held to provide an interactive platform amongst the policy makers, key stakeholders from large producers, secondary players, user industry and SMEs to share their views.

Dr RA Lal, Director, Ministry of Textiles informed the gathering about the Technology Mission on Technical Textiles with its two mini missions. Mr.Ved Krishna, Chairman CII UP State Council deliberated on the current status and size of the technical textiles in India and the immense opportunities present in the sector for the entrepreneurs.

b) Event highlights / outcome

- The conference was well attended by industry, research scholars, related government departments and the media.
- The conference covered the discussions on the key sectors in the technical textiles viz. Packtech, Hometech, Geotech, Mobiltech, Clothtech, Sportech etc. The discussions were on the following topics:
 - Trends and opportunities in technical textiles
 - Usage of technical textiles in the automobile industry
 - Key business growth strategies followed by the renowned players operating in India.
 - Accelerating domestic demand of technical textiles and way forward.

16. Seminar On Nonwoven: Technology For Roll Goods And Its Converting Products



a) Event background

Date	9 th February 2012
Location	Indore
In Association With	Regional Office of Textile Commissioner – Indore & MANTRA (Surat) & Indian Technical Textile Association (ITTA)

A seminar on Nonwoven: Technology for roll goods and its converting products was organised by Regional Office of Textile Commissioner – Indore & MANTRA (Surat) & Indian Technical Textile Association (ITTA) at Hotel Amar Vilas, Chandranagar, Indore on 9th February, 2012.

Dr. S.K. Basu, Director, MANTRA gave the welcome address and explained the importance of Non-woven and converting technology, he also mentioned that Indore conference was the 3rd national seminar organized by MANTRA on technical textiles in the last 3 years. Smt. Shanti Priya Doshi in her address mentioned that Indore is the 4th largest readymade garment hub of India and the entrepreneurs have the ample opportunity to venture in Non-Wovens as well. The Project Management and Monitoring Consultant for TMTT explained the step by step process for availing benefits under business start-up assistance and contract research support schemes from the government.

There were 120 delegates at the gathering. Through the day discussions were done to enlighten the gathering about Non-Woven technology, Non-Woven products in the market, Nonwovens in medical textiles, Support from the Ministry of Textiles for Technical Textiles manufacturers and Business start-up support.

b) Event Highlights/Outcome

- The seminar was attended by 120 delegates.
- Financials of setting up a Non-Woven Plant were discussed with details of Return on Investment in a Non-Woven Plant.
- MANTRA exhibited technical textile samples for apprising the participants of the types of products in technical textiles.

17. Seminar on Geotextiles In Roads



a) Event background

Date	24 th February 2012
Location	Mumbai
In Association With	Indian Technical Textile Association (ITTA)

A Seminar on Geotextiles in Roads, was organised at Mayfair Banquet, Worli, Mumbai on 24th February, 2012. The seminar was organised by The Indian Technical Textile Association (ITTA) in partnership with Office of Textile Commissioner, Ministry of Textiles, Mumbai; FICCI; BTRA; Indian Geotechnical Society, Mumbai Chapter.

The seminar was inaugurated by Mr. Arunchand Jariwala, Chairman ITTA; Sh. Sujit Gulati, Joint Secretary, Ministry of Textiles; Sh. A.B. Joshi, Textile Commissioner, Ministry of Textiles; Dr. J.N. Singh (Member) Finance, NHAI and Smt. Madhavi Das, Director, Ministry of Textiles were the Guests of Honour at the gathering. Keynote address was delivered by Mr. P.L. Bongirwar Advisor, L&T. The seminar focused on increasing the usage of geotextiles in roads on the lines of increasing usage of Geotextiles in riverbank protection and related works. More than 130 contractors, consultants and government officials attended the event.

b) Event highlights/outcome

- BTRA (Bombay Textiles Research Association) released "HANDBOOK OF GEOTEXTILES". The book covers 30 case studies across India and abroad, Design guidelines and standards.
- Technical presentations covering embankments, pavement overlays, soft ground construction and subgrade reinforcement.
- There was a product display at the exhibition from CTM Geosynthetics, Garware Wall Ropes Ltd, Kusumgar Corporates, Maccaferri, Reliance Industries Ltd., ShriAmbica Polymer Private Ltd, Skaps Industries, Strata Geosystems, Techfab India.
- Later on, there was an extended discussion session amongst delegates and speakers indicating the interest generated amongst the participants.

18. Seminar on Geotextiles & Agrotextiles at Guwahati



a) Event background

Date	1 st March 2012
Location	Guwahati
In Association With	Indian Chambers of Commerce (ICC)

A seminar on Geotextiles and Agrotextiles was organized by Ministry of Textiles in association with Indian Chambers of Commerce (ICC) in Guwahati on 1st March 2012.

The objective of the event was to promote usage of geotextiles in road construction, slope protection and erosion control projects and agrotextiles in horticulture and floriculture in the North East region.

In the inaugural session, welcome address was given by Sh. A.B. Joshi, Textile Commissioner, Ministry of Textiles. Mr. Sujit Gulati, Joint Secretary, Ministry of Textiles explained the suitability of geotextiles to tackle the problem of flooding in Brahmaputra river and agrotextiles to increase yield of horticulture crops in the North East region.

The inaugural session was followed by two separate sessions on applications and usability of Geotech and Agrotech, each session included a technical session and which included focused sessions for each as well. In the technical session, distinguished dignitaries informed the gathering about the usage and the relevance of usage of these technical textiles in the North Eastern part of Indian terrain.

b) Event highlights/outcome

- **Geotech:**
 - The NE scheme on Geotextiles was introduced in this session by Sh. Sujit Gulati, Joint Secretary, Ministry of Textiles.
 - The various steps involved in the proposed scheme were discussed including identification of a shelf of projects where these technologies can be used, techno-commercial viability of the same, and mechanism for securing supply of relevant agrotextile and geotextile products in the region. Mr. Gulati also explained the proposed funding model of Ministry of Textiles under this scheme, where the Ministry of Textiles will be funding the incremental cost associated with usage of these technologies in a project.
 - Ms. Madhavi Das, Director, Ministry of Textiles informed the audience about the proposed committees under the scheme. The composition of the committee and its envisaged role was deliberated and comments from the audience were invited on the same.

- The audience members suggested inclusion of a representative from National Jute Board (NJB), Central Water Commission & North Eastern Council in the two Sub-Committees for the scheme.
 - It was discussed, that during the event the proposed committee's composition and Terms of Reference (TOR) will be shared with the focused discussion group members
 - There were 68 participants in the Geotech session.
- **Agrotech:**
 - The NE scheme on Agrotexiles was introduced in this session by Sh. A.B. Joshi, Textile Commissioner, Ministry of Textiles. He also explained the proposed funding model of Ministry of Textiles under this scheme, where the Ministry of Textiles will be funding the incremental cost associated with usage of technical textiles in a demo farm
 - Mr U K Gangopadhyay, Executive Director, SASMIRA outlined the initiatives/ support envisaged in under the proposed scheme. He also introduced the concept of forming sub-committee with their respective terms of reference.
 - Identified areas of application for Agrotexiles:
 - Soil Conservation
 - Livestock farming
 - Pond lining
 - Bird protection nets
 - Coconut seedling conservation
 - Solution to address post harvesting losses
 - It was suggested by the participants that only one committee will be sufficient to deal with all the tasks/responsibilities of the sub-committee for Agrotexiles.
 - The representative from State Agriculture Department, Directorate of Horticulture, Assam State Agriculture Marketing Board, Assam Agriculture University, Director of Extension Services of Agriculture, Director of Extension Services of Veterinary, NABARD, Association of State farmer and floriculturists, Directorate of Animal Husbandry and Veterinary Department, Directorate of fishery department, Soil Conservation Department, ITTA may be included in the sub-committee for this scheme.
 - There were 26 participants in this session.

19. Seminar on Geotextiles & Agrotextiles at Shillong



a) Event background

Date	2 nd March 2012
Location	Shillong
In Association With	Indian Chambers of Commerce (ICC)

A seminar on Geotextiles and Agrotextiles was organized by Ministry of Textiles in association with Indian Chambers of Commerce (ICC) in Shillong on 2nd March 2012.

The objective of the event was to promote usage of geotextiles in road construction, slope protection and erosion control projects and agrotextiles in horticulture and floriculture in the North east region.

In the inaugural session, Sh. A.B. Joshi, Textile Commissioner, Ministry of Textiles, Smt. Madhavi Das, Director, Ministry of Textiles, Sh. W M S Pariat, Chief Secretary, Govt. of Meghalaya, were the key speakers and they mentioned about the suitability of Agrotextiles and Geotextiles in Meghalaya. They also deliberated on the proposed scheme from the Ministry of Textiles, Government of India for the usage of Geotextiles and Agrotextiles in the North Eastern states of India.

The inaugural session was followed by two separate sessions on applications and usability of Geotech and Agrotech, each session included a technical session and which included focused sessions for each as well. In the technical session, distinguished dignitaries informed the gathering about the usage and the relevance of usage of these technical textiles in the North Eastern part of Indian terrain.

b) Event Highlights/Outcome:

- **Geotech:**
 - Textile Commissioner Sh. A. B. Joshi explained government's initiatives of promoting technical textiles including SGDTT and TMTT. He also informed about the proposed scheme on geotextiles and agrotextiles for North East under the 12th Five Year Plan. He also explained the proposed funding model of Ministry of Textiles under this scheme, where the Ministry of Textiles will be funding the incremental cost associated with usage of these technologies in a project.
 - The approach for the proposed scheme was discussed including identification of a shelf of projects where these technologies can be used, techno-commercial viability of the same, and mechanism for securing supply of relevant agrotextile and geotextile products in the region.
 - Sh. A.B. Joshi informed the audience about the proposed committees under the scheme. The composition of the committee and its envisaged role was explained and comments from the audience were invited on the same.

- It was discussed that the proposed committee composition and Terms of reference (TOR) will be shared with the focused discussion group members.
 - Mr.KuldeepRazdan from BRO had informed the audience that BRO projects have a lot of potential for geotextile usage. They also have a R&D facility and lab for testing in the North East. Mr.Razdan further suggested that Ministry of Textile can evaluate collaboration with their lab for local testing requirements
 - There were 44 participants in the Geotech session.
- **Agrotech:**
 - Post the technical session, a focused discussion was organized in which Ms.Madhavi Das, Director, Ministry of Textiles explained the proposed scheme on agrotexiles under the 12th Five Year Plan and the proposed funding model of Ministry of Textiles under this scheme, where the Ministry of Textiles will be funding the incremental cost associated with usage of technical textiles in a demo farm.
 - Mr U K Gangopadhyay, Executive Director, SASMIRA outlined the initiatives/support envisaged in under the proposed scheme. He also introduced the concept of forming sub-committee with their respective Terms of Reference.
 - It was also given to understand that project managing consultant will be appointed by Ministry of Textiles to help in auditing and monitoring the usage of agrotexiles, volume of usage, area covered and benefits received from usage on individual farms.
 - It was deliberated that representatives from Soil Department, Forest Department, Veterinary and Animal Husbandry Department, Central Agriculture University, Fishery Department may be included in the said sub-committee.
 - Identified areas of application for Agrotexiles were Soil Conservation, Livestock farming, Pond lining, Bird protection nets, Coconut seedling conservation, Solution to address post harvesting losses.
 - It was deliberated that lack of testing facility in NER is one of major impediments in the usage of Agrotexile products.
 - Identified products/ applications for Agrotexiles:
 - Frost cover
 - Mulch mats
 - Water conservation
 - Packaging material
 - There were 53 participants in this session

20. Seminar on Protective Agrotexiles – Advantages & Future Prospects



a) Event background

Date	22 nd March 2012
Location	Kolkata
In Association With	SASMIRA

Seminar on Protective Agrotexiles – Advantages & Future Prospects, at Conference Hall, IJIRA, Kolkata was held on 22nd March 2012, It was jointly organised by The Office of Textiles Commissioner and SASMIRA in association with Indian Jute Industries' Research Association (IJIRA), Kolkata and Bidhan Chandra KrishiVishwavidyalaya (BCKV), Kalyani.

The seminar was inaugurated by ShriSujitGulati, IAS, Joint Secretary, Ministry of Textiles. The seminar focused on the users of agrotexiles i.e., agriculturist and the manufacturers of Agrotexile products. During the day deliberations were made by speakers from Bidhan Chandra KrishiVishwavidyalaya (BCKV), SASMIRA (Center of Excellence, Agrotech) Mumbai, Researchers, raw material suppliers and agrotexile product manufacturers to highlight CoEAgrotech facilities, research on Agroproducts and their uses and benefits of agrotexile products. Around 150 participants attended the Seminar.

b) Event highlights/outcome

- Shri I. K. Sharma, Glosters Jute Mills spoke on the requirement for educating the farmers of the testing and grading system of Jute. Shri Mittal, Chamundani Jute Industries spoke on the need for developing lighter weight jute products for application in horticulture and indigenization of products from Japan.
- Shri S. L. Rahman, AgriHorti Society highlighted the benefits of agrotexiles and gave examples of wool agrotexiles.
- Dr. Debnath Das, BCKV requested CoE to set-up a demonstration model for Agrotech for various products at BCKV, Kalyani.
- Shri T. Sanyal, Chief Consultant, National Jute Board emphasized on developing specific products with specifications for specific use and thereby deciding the applicability of natural or synthetic fibres for production of these products. He pointed out the dominance of man-made fibre products in the absence of companies producing jute agrotexiles.
- The participants also insisted upon more focused programmes for Agrotexiles highlighting their usage and techno-economics in their region.

21. Conference on Emerging Opportunities in Technical Textiles in India



a) Event background

Date	24 th March 2012
Location	Baddi
In Association With	CII

A Conference on Technical Textiles Emerging Opportunities in Technical Textiles in India, was held at Hotel Gianz, Baddi on 24th March 2012. CII Himachal Pradesh organized the conference to discuss and deliberate on the emerging opportunities in Technical Textiles.

Objective of this conference was to create awareness about the technical textiles, exploring possibilities for new product development, tapping domestic and global market potential for new products and innovations and to discuss various bottlenecks in present scenario for technical textiles.

The welcome address was delivered by Mr L K Singh, Conference Chairman & Executive Director, GPI Textiles Ltd. During the conference other eminent speakers highlighted the recent advancement of Technical Textiles and also shared that how technical textiles can lead to better and healthier living standards.

b) Event Highlights/Outcome

- Sh. Vipin Kohli, Deputy Director, Ministry of Textiles, Government of India shared the information about various schemes and incentives in terms of testing facilities, Research and Development, Marketing etc.
- Prof Kushal Sen, Professor & Head of the Department, IIT Delhi emphasized on the fact that Technical Textiles holds a lot of significance both in terms of value addition as well as earning profits and we need to invest more in R&D and discussed the various growth drivers and favourable demographics which can help Indian Technical Textiles industry to boom.
- The conference was well attended by more than 60 participants from various textile houses of the region. The participants were middle and senior level executives. During the open house session of the conference participants asked the various questions from the guest speakers which turned the atmosphere of the conference quite interactive and informative.
- Textiles industry based in and around the region expressed their desire to CII and Ministry Of Textiles to organize more such conferences and workshops in the near future, to create more awareness about this growing sector.

22. Various Applications of Technical Textile Products & Future Opportunity For Development Of Textile Industry



a) Event background

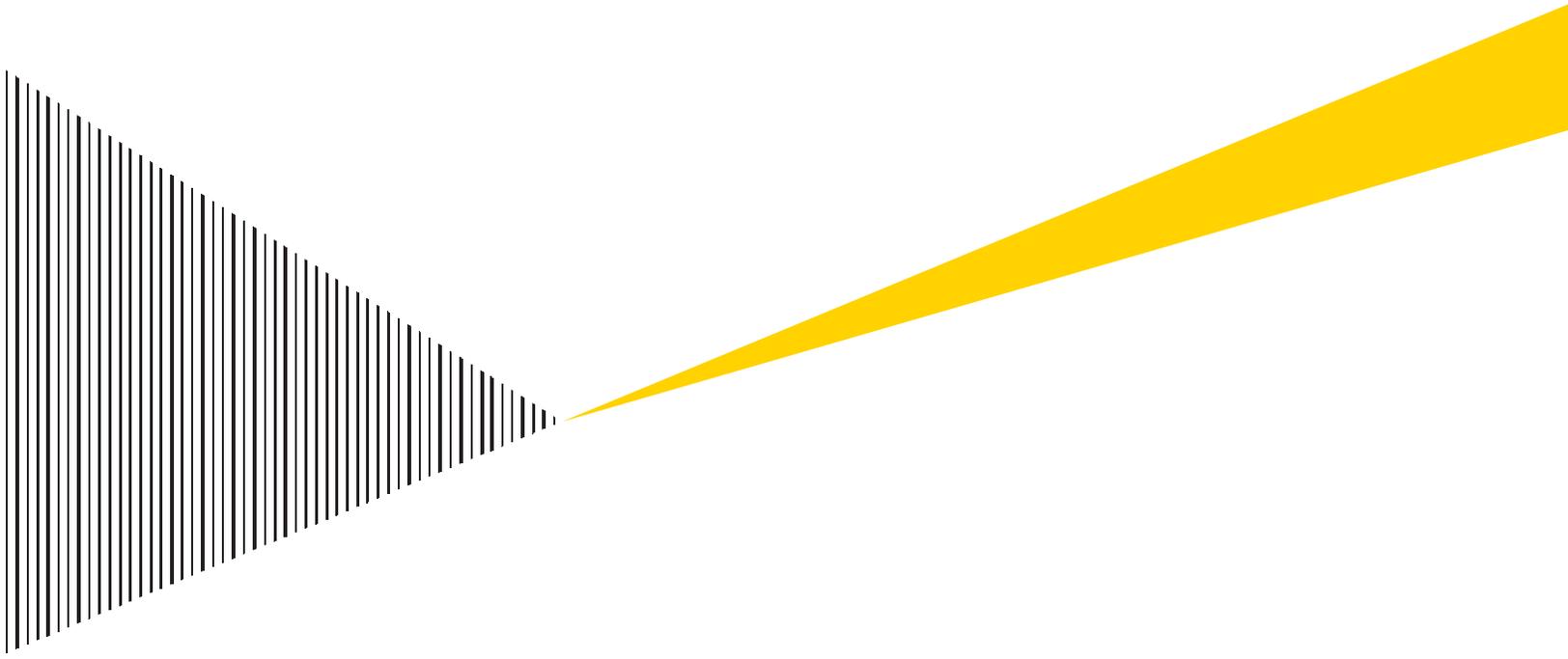
Date	27 th March 2012
Location	Farrukhabad
In Association With	R.O/o TxC, Kanpur

A Seminar on 'Various Applications of Technical Textile Products & Future Opportunity for Development of Textile Industry' was held on 27th March, 2012. It was organised by The Regional Office of Textiles Commissioner, Kanpur at Farrukhabad, Uttar Pradesh.

The seminar was inaugurated by Chief Guest Sh. V.K. Pandey, Chief Development Officer (CDO), Farrukhabad and Guest of Honour Sh. V.K. Sinha, ASP Farrukhabad. The seminar focused upon the subject of Applications of Technical Textile products and future opportunities for development of textile industry. After the welcome address Sh. Rajendra Kumar, Assistant Director, Regional Office of Textile Commissioner, Kanpur deliberated on the various applications of technical textiles and their future opportunities. Later Sh. R.A. Lal Director and OIC, Regional Office of Textile Commissioner, Kanpur.

b) Event Highlights / Outcome

- 80 participants from the local processing industry and other entrepreneurs.
- Participants appreciated the schemes run by Ministry of Textiles and wished to avail the benefits.
- The event was organized in local language to connect effectively with the participants.



THANK YOU

Project Management and Monitoring Consultant for TMTT