

SEMINAR AND EXHIBITION ON THE “USE OF TECHNICAL TEXTILE IN WATER RESOURCES WORKS”

One day **Seminar and Exhibition on the “Use of Technical Textile in Water Resources Works”** was organized by Ministry of Water Resources (MoWR), River Development & Ganga Rejuvenation on 29th April, 2019 at CWC Library Building, R.K. Puram, New Delhi. Indian Technical Textile Association (ITTA) was a Partner of this event with respect to providing Speakers from the Technical Textile Industry and organizes the entire Exhibition.

ITTA invited five industry leaders on Geosynthetics to speak in the Seminar and also these companies along with other ITTA members exhibited their products in the Exhibition. This event provided great B2B opportunities for participants from TT industry and the Senior level Officials from Central and State Governments’ Engineering, Water Resources & Power Irrigation Departments.

The Seminar & exhibition were inaugurated by Shri. S. M. Husain, Chairman, Central Water Commission (CWC). He launched the “Practice Manual on use of Technical Textile in Water Resources Works”. During the inaugural session, Shri. S. L. Gupta- Director CSMRS, Shri. N. K. Mathur- Member (D&R), CWC, Ms. T. Rajeswari- Additional Secretary, MoWR, RD&GR and Shri. Anuj Kanwal, Director, R&D, MoWR, RD&GR shared their experience on the application of technical textiles in their respective departments/area. They emphasized that Standardization of products by BIS to be done at a faster pace.

SEMINAR

The Seminar highlighted various application areas, best practices and mechanisms for encouraging larger usage of Technical Textile in Water Resources Sector and created a platform for all the concerned stakeholders for brain-storming, creating a roadmap to take the Technical Textiles uses to the next level and interactive sessions to build awareness for application of technical textiles in water resources sector on large scale by user State and Central Departments/agencies in various civil engineering works.

Following topics were covered during the three Sessions:-

Session-I: Technical Textiles for Water Resources- Technical Part chaired by Dr. Bishwajit Bhattacharjee, Prof. IIT Delhi,

Session-II: Technical Textiles for Water Resources- Case Studies chaired by Mr. S. K. Haldar, Member (WP&P), CWC

Session-III: Pricing; Contract & Other Conditions of work chaired by Mr. A. K. Sinha, Chairman, GFCC.

In these 3 sessions, Speakers from various fields discussed issues of Standards, Benchmarking & Testing, Technical textiles for Water Resources Conservation, Advanced methods in use of Technical Textiles, Contractual Matters related to Technical Textiles etc. in details.

Presentations from ITTA Members–

1. Mr. Tiru Kulkarni, Garware Technical Fibres Ltd. spoke about the “*Application of TT for coastal protection*”. He highlighted the appraisal of technical and commercial aspects of using geo-synthetic products over conventional structures for application of coastal protection works. The following options are considered for the present study i.e. Innovative coastal applications using soft solutions and Conventional methods. Soft solutions using Geosynthetics products like Geotubes, Geobags, Polymer rope gabions for armoring and apron & Woven or Nonwoven Geotextile layer for filtration, drainage and protection against stone protrusion. Conventional methods like Riprap using stones/ tetra pods, Artificial materials such as concrete (Block mats) and asphalt & Sand/gravel layers. He mentioned the advantages of soft solutions using Geosynthetics products over conventional methods and also discussed the case studies of the geosynthetic products.
2. Ms. Maithili Appalwar, Emmbi Industries Ltd. presented the topic on “*Use of TT in Irrigation System*”. She talked about the current problem of the water crisis i.e. Change in Rainfall Pattern, Reduction in sub-surface Absorption, Less disburseable Water for Use and Increased Water Scarcity. She explained the importance and advantages of the solutions provided for capturing surplus rainwater i.e. Jalasanchay Pond Liner, Aquasave Canal Liner and Percoplus Geomembrane. She also spoke about the case study wherein the Canal Liners are used at Bembla Project, Maharashtra.

3. *“Use of TT in Slopes, Embankments”* was presented by Dr. Saurabh Vyas, Techfab (India) Industries Ltd. He pointed out that the Geosynthetic products such as reinforced slopes, geotextile, geogrid, geocells, prefabricated vertical drain, reinforced soil wall and drainage composite are used in Slopes and Embankments. He talked about the two case studies where geosynthetic products are used. Case Study 1- Construction of Reinforced Retaining wall at Navi Mumbai International Airport (NMIA) situated along the Gadhi River wherein Techfab Metal Gabion, Techgeo Nonwoven PR-20 Geotextile, Techfab Metal Gabion Mattress and Techgrid Geogrid were used. Case Study 2- Statue of Unity, Gujarat where following products were used - Techfab Metal Gabion Mattress, TechGrid Biaxial Geogrid, TechGrid Uniaxial Geogrid and Techgeo Nonwoven polypropylene geotextile.

4. Mr. Parth Nihadkar, Texel Industries Ltd. talked about the *“Use of TT in Water Conservation”*. He spoke about the Geosynthetic products which are used in water conservation and also highlighted some of the case studies.

to add Photos of seminar

EXHIBITION

An Exhibition on Technical Textiles was also organized by ITTA to display all the Geosynthetic products such as geobags, geotubes, geomembranes, geocontainers, etc. that can be used by the various divisions of Ministry of Water Resources (MoWR) all over India. It was a unique opportunity for the ITTA Members who were already the existing manufacturers/suppliers of these products or the new entrants to this business to display their products and the directly interact with the Buyers. Following 12 ITTA members participated in the exhibition and showcased their Geosynthetic products.

List of Exhibitors:

COMPANY NAME	
<i>FLEXITUFF INTERNATIONAL LTD.</i>	<i>MACCAFERRI ENVIRONMENTAL SOLUTIONS PVT. LTD.</i>
<i>EMMBI INDUSTRIES LTD.</i>	<i>MANAS GEO TECH INDIA PVT. LTD.</i>
<i>TECHFAB (INDIA) INDUSTRIES LTD.</i>	<i>GEO SOURCE</i>
<i>GARWARE TECHNICAL FIBRES LTD.</i>	<i>VIRENDERA TEXTILES</i>
<i>CHARANKATTU COIR MFG. CO. (P) LTD.</i>	<i>KHATOR TECHNICAL TEXTILES LTD</i>
<i>SKAPS INDUSTRIES INDIA PVT. LTD.</i>	<i>SUNTECH GEOTEXTILE PVT. LTD.</i>

to add Photos of the stall

The event received the over whelming response and was attended by more than 170 delegates with a participation from senior level Officials from Central Departments, State Governments, Engineering Departments of States working in Water Resources, Institutions and delegates from the technical textile industry.
