

3rd National conference on Pulp & Paper: *Understanding the Trade -offs in Water and Waste water management for taking informed decisions*

29 June 2018 : New Delhi

*Increasing need of using scientific tools for evaluating trade-offs and taking informed decisions in solving complex water situations is the need of the hour, says DIPP, ITC and CPPRI.*

“Evaluating Trade-Offs in complex water situations” was the underlying theme involving various innovative solutions and practices at the 3<sup>rd</sup> National Conference on Pulp and Paper organized by CII-Triveni Water Institute, CII’s Center of Excellence on Water, New Delhi. The Conference witnessed a detailed presentation on some of the pilots which were proposed that focused on Development and adoption of appropriate technologies for enhancing productivity in the paper and pulp sector.

**Mr. A P Singh**, Senior Development Officer, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India, highlighted the need to address the acute scarcity of water in the country. Mr. Singh called upon the utilization of artificial intelligence for conservation of existing resources. He encouraged the pulp and paper industry to spearhead the water and waste water management initiatives of the industry. Mr. Singh emphasized on the need for standardization of water conservation technologies across the industries of all production scales.

**Dr B P Thapliyal**, Director, Central Pulp & Paper Research Institute called upon the pulp and paper industry to adopt efficient water management practices to ensure sustainability of business. Dr. Thapliyal highlighted the importance of adopting methods like water pinch in order to manage the limited available water resources by addition of recycled waste water. He complemented the efforts of organizations like CII, CPPRI and UNIDO in developing tools and techniques for water and waste water management. Dr. Thapliyal concluded by appealing to the researchers and academia in India to help develop indigenous, cost effective and tailor-made technologies for water and wastewater management in India.

**Mr. Sanjay Singh**, Divisional Chief Executive, ITC Limited - Paperboards & Specialty Papers Division, while welcoming the delegates highlighted the need to create awareness within the pulp and paper industry on water conservation for sustainability of the business operations. Mr. Singh briefed the audience of the previous editions of paper and pulp conference where topics like techno - economic feasibility and use of scientific tools to help the industry achieve water positivity were discussed. With the paper production in the country projected to increase in the future, Mr. Singh highlighted the need to focus on improved water use practices while catering to the growing demand in the country. He called upon the pulp and paper industry to look up to the recent WATSCAN study carried out by CII-Triveni Water Institute at the ITC Kovai facility as a case study to enhance water availability at plant level.

**Mr. Jaiprakash Narain**, Chairman – Marketing Sub - Committee, IPMA Member – CII & Chief Executive Officer, Century Pulp and Paper, delivering the vote of thanks explained that there is a shortage of about 40 million tons of paper in India each year. As the pulp and paper industry strives to increase the production to meet this demand, Mr. Narain cautioned the industry on the potential risks that may arise due to water shortage. He highlighted the challenges to business that may arise from the local communities due to scarcity of water in the plant vicinity. Mr. Narain concluded his address by asking organizations like CII and CPPRI to help the pulp and paper industry in their water and waste water management endeavors.

**Dr Kapil Narula**, Executive Director and CEO, CII – Triveni Water Institute used the India Water Tool to show that majority of the pulp and paper industries in the country are located in areas experiencing shortage of both surface and ground water. Dr. Narula emphasized the need for decentralized systems of salt recovery in waste water management of paper and pulp industry. He also highlighted

the importance of creating buffers for meeting water demands during lean periods in the plants using scientific tools like CII's WATSCAN and WATSMART which help to identify water management strategies both within and beyond the plant.

**Dr. Vivek Kumar**, Associate Professor, IIT Delhi, shared the studies conducted by a consortium of IIT Delhi, IIT Kanpur and IIT Roorkee for Pulp and Paper Mills in 4 clusters including Kashipur and Meerut. It was found that paper mills were maintaining good material consumption data in their routine and this data of material balance was planned to be utilized for this study. The results were used by CPCB to draft the new Charter for Pulp and Paper Industries in Ganga River Basin. The strategies recommended and implemented resulted in improved recovery of materials and water.

Mr. Sura Mallidi Reddy, Vice President, International Paper APPM Ltd; Dr. Rakesh Kumar Jain, Technical Expert, UNIDO International Centre for Inclusive and Sustainable Industrial Development (IC-ISID) United Nations Industrial Development Organization; Mr. Sanjay Yadav, General Manager, Century Pulp and Paper; Dr. S. Subramanian, DGM (LAB and R&D), Tamil Nadu Newsprint and Papers Limited; Mr. Kandarp Shivpuri, Associate Councilor – Advisory Services, CII – Triveni Water Institute; Dr. B Sengupta, Environmental Scientist, Member of Environment Appraisal Committee, Former-Member Secretary, Central Pollution Control Board; Mr. Manish Gandhi, VP – North and East Operations, Ion Exchange India Limited; Mr. Avijit Mitra, Director Marketing, NALCO India; Mr. Sugiono Tamsil, Marketing Manager, NALCO Water (Indonesia); Mr. Jacopo De Steffani, Leader Process & Technology, Paques Environmental Technology India Pvt. Ltd; Dr. Vivek Kumar, Associate Professor, IIT Delhi; Ms. Shilpa Nischal, Counselor & Head – Projects, CII -Triveni Water Institute and Mr. N. Alagiri, Senior Manager, Engineering, ITC Limited were the other eminent speakers at the conference.

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