



Technical Meet on Membrane Technologies
A Promising Technique for Industrial Water & Wastewater Management

18th-19th June 2013

Venue – FICCI, Federation House, New Delhi

INTRODUCTION

Water is an essential resource for industrial input and is the main raw material. We are known to the importance of this scarce natural resource which needs to be conserved and utilized in a better way. Membrane technologies have aroused a great interest as potentially cost-effective & energy efficient answers to a large range of industrial purification and separation needs. Membranes are used more and more often by various industries and other sectors for the production of “fresh water” from wastewater and other water sources through filtration and separation technologies. There has been a significant growth in the membrane technology market for water and wastewater treatment. According to a recently published report by TechSci Research, Indian membrane market is expected to grow tremendously, to surpass USD 300 Million in 2015. Given the huge potential of membrane market in India, their market is forecasted to grow at a compounded annual growth rate of more than 13%, over the next five years. The support for membrane technology comes from the fact that it works without the addition of chemicals, with a relatively low energy use and easy and well-arranged process conduction.

OBJECTIVES

- ❖ To understand the basics of membrane based technologies and its various industrial applications.
- ❖ Knowledge regarding selection of appropriate membrane technology for industries.
- ❖ Optimizing the use of water and wastewater to ensure maximum recycling/reuse, efficiency and productivity
- ❖ To address issues regarding Pretreatment and Operation & Maintenance of membrane based systems.
- ❖ Network with industry experts and peers to strengthen professional relationships.

PROGRAM DURATION & VENUE

Date	:	June 18-19, 2013 (Tuesday & Wednesday)
Time	:	Day 1 (10.00 am – 05.00 pm) and Day 2 (10.00 am – 05.00 pm)
Venue	:	FICCI, Federation House, New Delhi

KEY RESOURCE SPEAKERS

The faculty would include professionals from FICCI, Doshion, Ion Exchange India Ltd, Norit, Pentair Water India, Veolia Water, Va Tech Wabag, Diva Envitech, Aquanomics, EIMCO Water Technologies, Industry experts and some other international agencies.

PARTICIPATION FEE

To meet the expenditure, a participation fee of **Rs 10,000/-+Service tax extra** per participant is charged which shall be payable by Cheque/DD drawn in favour of ‘Federation of Indian Chambers of Commerce and Industry’ payable at New Delhi. A discount of 25% is applicable for FICCI Corporate Member Organizations and 15% discount for other FICCI members, SMEs, R&D & Academic Institutes. The organizations can avail the discount in any one category. **The last date for sending nominations is June 15, 2013.**



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WHO SHOULD ATTEND

Executives/ Professionals dealing with Industrial Processes, Water and Wastewater Management, environment management, Membrane Technologies, Technology suppliers/ manufacturers, R&D/Academic Institutions and Large/MSME sectors like:

- | | | |
|-----------------------------|------------------------|------------------------|
| ❖ Thermal Power Plants | ❖ Dairy Industry | ❖ Mining |
| ❖ Leather/Tanning | ❖ Dye Industry | ❖ Chlor-alkali |
| ❖ Aluminium | ❖ Electroplating Units | ❖ Chemical Industry |
| ❖ Pharmaceutical | ❖ Distillery | ❖ Hospitals |
| ❖ Oil Refineries | ❖ Sulphuric Acid Plant | ❖ Commercial Buildings |
| ❖ Petrochemical Plants | ❖ Pulp & Paper | ❖ Hospitality |
| ❖ Cement | ❖ Pesticides Industry | ❖ Other sectors |
| ❖ Iron & Steel | ❖ Sugar | |
| ❖ Fertilizer | ❖ Metallurgy | |
| ❖ Beverages/Food processing | ❖ Textiles | |

TENTATIVE PROGRAM

DAY 1 (June 18, 2013) – 10.00 am – 05.00 pm	DAY 2 (June 19, 2013) - 10.00 am – 05.00 pm
Registration (9.00 am -10.00 am) Inaugural Session Technical Session I : Introduction to Concept of Membrane Technologies <ul style="list-style-type: none"> ○ Introduction to Membrane Technologies and different process applications ○ Criteria for selection of the appropriate technology and Sizing of the systems, Use of Reverse Osmosis/ Ultrafiltration/ Nanofiltration/ Microfiltration etc. Technical Session II: Membrane Based Technologies for Water and Wastewater treatment <ul style="list-style-type: none"> ○ Membrane Filtration for Wastewater Reclamation and reuse ○ Membrane Bioreactor Technology (MBR) ○ Desalination Technologies 	Technical Session III: Pretreatment of Membrane Technology and its Performance Upgradation <ul style="list-style-type: none"> ○ Pre-treatment of Membrane Based System ○ Membrane Fouling ○ Optimization of rejection and recovery ○ Factors affecting performance of the membrane systems Technical Session IV: Operation and Maintenance Issues and Case Studies <ul style="list-style-type: none"> ○ Operation & Maintenance: Guidelines ○ Techno-economical Assessment of the membrane based technology ○ Case Studies ○ Group exercise/ Quiz ○ Concluding Remarks

CALL FOR PAPERS

- Papers are invited on the subject/ topics of the technical Conference with specific suggestions and recommendations for selection through FICCI's Technical Committee.
- The selected papers will be incorporated in the 'Proceedings' (in CD) for distribution among all the participants.
- Papers must be limited to 10 double-spaced pages, using 12-point font and in any version of Microsoft Word. Send a soft copy of the article by e-mail (including brief particulars of the author/s) on or before June 7, 2013 to **Mr. Shobhit Srivastava (shobhit.srivastava@ficci.com)** or **Ms. Karishma Bist (karishma.bist@ficci.com)**

For participation kindly contact or send duly filled in Registration form on or before 15/06/2013 to:

Mr. Shobhit Srivastava (09711049558)/Ms. Karishma Bist

FICCI-Resource Conservation & Management

Federation House, Tansen Marg, New Delhi-110001

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BRANDING OPPORTUNITIES

The event would provide you an ideal and perfect platform to enhance your company image and create brand awareness for your products and services among existing and new customers. The following benefits would be provided to the Event Partner and Sponsors. The sponsorship fees are also mentioned below:

EVENT PARTNER (INR 3,00,000)	CO-PARTNER (INR 1,00,000)
<ul style="list-style-type: none">❖ Address by Company Representative in the Program Inaugural Session❖ Opportunity for Speakers slot in Two Technical Session (Related to their company profile)❖ Display of Company Logo as 'Event Partner' at program Backdrop❖ Inside Front Cover Advertisement in the Background Paper❖ Complimentary Participation for 10 Delegate	<ul style="list-style-type: none">❖ Opportunity for Speakers slot in One Technical Session (Related to their company profile)❖ Display of Company Logo as 'Co-Partner' at program Backdrop❖ Inside Back Cover Advertisement in the Background Paper❖ Complimentary Participation for 4 Delegates
KIT SPONSOR (INR 75,000)	SESSION SPONSOR (INR 50,000)
<ul style="list-style-type: none">❖ Opportunity for Speakers slot in One Technical Session❖ Display of Company Logo as 'Kit-Sponsor' at program Backdrop❖ Company's Name and Logo will be Printed in the Delegate Kit❖ Complimentary Participation for 3 Delegates	<ul style="list-style-type: none">❖ Opportunity for Speakers slot in One Technical Session❖ Display of Company Logo as 'Session Sponsor' at program Backdrop❖ Complimentary Participation for 2 Delegates
In addition, all Supporters would be entitled to the following Benefits:	
<ul style="list-style-type: none">❖ Inclusion of company brochure, literatures, pamphlets in the program documentation pack❖ Acknowledgement in the Background Paper, which will be distributed to the registered participants❖ Acknowledgement and placement of partner/supporter logo on FICCI website❖ Opportunity for business development and networking with industrial representatives	

Exhibit Opportunity: Table-tops are available for product/company profile display at the rate of Rs 25,000/- +Service tax

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