



## ALKALI MANUFACTURERS ASSOCIATION OF INDIA

### **TWO DAY INTERNATIONAL SEMINAR ON SAFE AND EFFICIENT TRANSPORTATION OF CHLOR-ALKALI PRODUCTS IN INDIA**

**25<sup>th</sup> & 26<sup>th</sup> September 2019 (Wednesday & Thursday),**

**Grand Mercure Surya Palace, Vadodara, Gujara**

#### **PROGRAMME**

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| <b><u>DAY 1 (25.09.2019)</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| <b>08:30 AM – 09:30 AM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>REGISTRATION</b>                       |
| <b>09:30 AM – 10:15 AM</b><br><b>INAUGURAL SESSION</b> <ul style="list-style-type: none"><li>• <i>Lamp Lighting</i></li><li>• <i>Welcome Address by Mr. Jayantibhai Patel, President AMAI</i></li><li>• <i>Address by Chief Guest Shri Samir Kumar Biswas, IAS, Joint Secretary, Department of Chemicals &amp; Petrochemicals, Government of India</i></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| <b>10:15 AM – 11:45 AM</b><br><b><u>Session I:</u>     International &amp; Indian Regulations and Experiences for chlorine transport through pipeline</b><br><b>Chairperson: Shri Samir Kumar Biswas, IAS, Joint Secretary, Department of Chemicals &amp; Petrochemicals, Government of India</b> <ul style="list-style-type: none"><li>• <i>US Regulations and Recommendations for Design and Operation of Chlorine Gas Pipelines – Mr. Frank Reiner, The Chlorine Institute, USA (through Skype)</i></li><li>• <i>Salient Features of "Guidelines for transportation of dry chlorine gas through cross-country pipeline in India" – Mr. Shirish M. Pathak, Reliance Industries Ltd., Navi Mumbai</i></li><li>• <i>Safety and Cost-Effective Chlorine Transportation Options in China – Mr. Wang Xinwen (Randy), JOC Technical Engineering Co. Ltd., China</i></li><li>• <b>Q &amp; A and Discussions</b></li></ul>                                                                                                                                        |                                           |
| <b>11:45 AM - 12.15 PM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>TEA/COFFEE BREAK</b>                   |
| <b>12.15 PM – 01:45 PM</b><br><b><u>Session II:</u>     Emergency Preparedness &amp; Response System</b><br><b>Chairperson: Mr. Jayantibhai Patel, President AMAI &amp; CMD Meghmani Group, Ahmedabad</b> <ul style="list-style-type: none"><li>• <i>US Transportation Incident Case Studies including CHLOREP mutual aid network – Mr. Frank Reiner, The Chlorine Institute, USA (through Skype)</i></li><li>• <i>Experience of DPMC Ankleshwar as Model Emergency Response Centre (ERC) in successfully handling of Chemical &amp; Industrial Disasters – Shri Vijay Asar &amp; Shri Manoj Kotadia, DPMC Ankleshwar, Gujarat</i></li><li>• <i>Century Rayon experience sharing on effective handling of chlorine leakage incidents in Maharashtra through CERN – An AMAI Initiative on emergency response to chlorine incidents – Mr. Babji B. Chaudhary and Mr. D.J. Mishra, Century Rayon-Chemical Plant (Under the management &amp; operations of Grasim Industries Ltd.), Thane, Maharashtra</i></li><li>• <b>Q &amp; A and Discussions</b></li></ul> |                                           |
| <b>01.45 PM – 02.45 PM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>NETWORKING LUNCH</b>                   |
| <b>02.45 PM – 03:45 PM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>SPECIAL SESSION FOR EVENT PARTNERS</b> |
| <b>03.45 PM – 04.15 PM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>TEA/COFFEE BREAK</b>                   |

**04:15 PM – 05.45 PM**

**Session III: Bulk Transportation of Chlor-Alkali Products – Regulations, Experience & Recommendations**

**Chairperson: Mr. B.S. Gilra, Former President Orient Paper Mills CSU and Past President & Chairman Technical Committee AMAI**

- *Bulk transport of liquid and gaseous chlorine through pipelines - Experience, Safety achieved, Precautions and Recommendations – Mr. Ton Manders, Euro Chlor, Brussels*
- *Options for Bulk Transportation of Soda Ash, Experience & Way Forward for Alkali Products – Mr. Lalit Khatri, Tata Chemicals Ltd., Mumbai*
- *Integration in Chlor-Alkali industry, Chemical Park Concept, Dedicated Pipeline Transportation and infrastructure development/improvement to make bulk chlorine transportation viable in India – Mr. Ranga Rao N., thyssenkrupp Industrial Solutions India Ltd., Mumbai*
- **Q & A and Discussions**

**07:30 PM onwards**

**DINNER**

**DAY 2 (26.09.2019)**

**09.30 AM – 11.00 AM**

**Session IV: Chlorine & Hydrogen Tonners/Cylinders Handling, Inventory & Tracking**

**Chairperson: Mr. P. K. Gera, IAS, Managing Director, Gujarat Alkalies & Chemicals Ltd., Vadodara**

- *Procedures/Practices & Precautions for Loading & Unloading of Chlorine Tonners/Cylinders and Hydrogen Transport by Pipelines – Mr. Ton Manders, Euro Chlor, Brussels*
- *Initiatives on chlorine tonner tracking system and automatic update using RFID at DCM Shriram Ltd., Kota – Mr. Bhuvnesh Joshi & Mr. Rajesh Mishra, DCM Shriram Ltd., Kota*
- *RFID Tags on Chlorine Containers: Fixing options – Mr. Pradeep Saini, ISGEC, Yamuna Nagar, Haryana*
- **Q & A and Discussions**

**11:00 AM– 11:30 AM**

**TEA/COFFEE BREAK**

**11:30 AM - 01:00 PM**

**Session V: Drivers Training Essentials for Chlor-alkali Products Transport**

**Chairperson: Mr. Ravindra Sitani, Chairman Technical Sub-Committee AMAI and Chief Technical Services Officer, Domestic Chlor Alkali, Grasim Industries Limited**

- *Latest Techniques of educating Drivers and Tracking Vehicles carrying Hazardous Chemicals on road – Mr. Paritosh Dagli, Sixth Sensor Technology Pvt. Ltd., Mumbai*
- *Road Safety Management for Vehicles Carrying Hazardous Chemicals & Role of Drivers Training – Mr. S. Jude Peeris, Hubert Ebner India Pvt. Ltd., Chennai*
- **Q & A and Discussions**

**01.00 PM – 02.00 PM**

**NETWORKING LUNCH**

**02.00 PM – 03.30 PM**

**Session VI: Industry Experiences and In-House Developments to improve transit efficiency and enhanced safety during transportation of chlor-alkali products**

**Chairperson: Mr. Devanand Jajoo, Chairman SHE Sub-Committee AMAI and VP & Head CA Plant, Reliance Industries Ltd., Dahej, Gujarat**

- *Reduce Transport Hazards of Products to ALARP, a case study by DCM Shriram Limited, Jhagadia – Dr. R.N. Sahu and Mr. Naresh Patel, DCM Shriram Ltd., Jhagadia, Gujarat*
- *Safety in Transport & Distribution (Concept of Central Control Tower) – Mr. Jagdeep Singh, Grasim Industries Ltd., Nagda, MP*
- *Module developed by Siel for imparting training to drivers in Safe transportation of Chlor-Alkali Products – Mr. Narender Sharma, Siel Chemical Complex, Rajpura, Punjab*
- **Q & A and Discussions**

**03.30 PM – 04.15 PM**

**Panel Discussions & Summary of Recommendations**

**04.15 PM – 04.30 PM**

**Vote of Thanks and End of Seminar (followed by High Tea)**

*Note: Concurrent Exhibition will be held at the seminar venue on both the days. Exhibition will close at 5.00 pm on Day 2 (September 26, 2019)*