



Report on
Conference on Emerging Technologies for the Chemical Sector
24th January 2024 at Hotel ITC Grand Chola, Chennai

FICCI Tamil Nadu State Council in association with ICC, MIA & CIA organized the one-day Conference on **Emerging Technologies for the Chemical Sector** held on 24th January 2024 at Hotel ITC Grand Chola, Chennai wherein around 200 industry leaders and other various stakeholders from chemical sector participated and benefited. **McKinsey** was the Knowledge Partner for the summit.

Mr. ARVIND KUMAR, Managing Director, CPCL, in his Keynote Address, said "In embracing the evolving landscape towards a future where petrochemicals assume increasing significance, the FCC stands as a crucial petrochemical feedstock hub within refineries. With a flexible history of repurposing, the FCC unit is adapting to an emerging trend-increasing its flexibility to meet the challenges posed by changing product demands." Elaborating on the new ways to produce the building blocks.

He pointed out that carbon-capture technologies could offer more solutions to expand the feedstock availability. "Green Hydrogen produced by electrolyzers, combined with CO₂ could also act as a raw material to produce the building blocks. CPCL consumes a considerable amount of Hydrogen. He also said "For each ton of Hydrogen produced, it's estimated that around 9-12 tons of CO₂ is generated. CPCL is looking for options to trap this CO₂ and market it as a product for downstream it further or utilise the CO₂ as such. "In the near future, CPCL is considering itself to act as a Hydrogen Production hub to supply Green Hydrogen for mobility and other energy-aid requirements including petrochemical production". The CPCL has been diversifying into chemical from Naphtha by targeting pharma-grade Hexane as a specialty product. "CPCL is venturing into the potential of producing sulphuric acid from sulphur, not only for value-added products but also with the intention of achieving a modest net decrease in Green House Gas (GHG) emissions, contributing to environmental sustainability".

Dr. GSK VELU, Chairman, FICCI Tamil Nadu State Council & Trivitron Healthcare/Neuberg Diagnostics Group of Companies opined that the ongoing oil to chemicals initiative has been a driving force behind recent investments, paving the way for a paradigm shift.

Ms. RAMYA BHARATHRAM, Managing Director & CFO, Thirumalai Chemicals Limited, **Mr. M. P. SURYA PRAKAS**, Executive Director - Ponpure Chemical India Pvt Ltd and **Mr. S. VENKATRAGHAVAN**, President - Thirumalai Chemicals Limited also spoke on the occasion.

Caption (L to R): Mr. S. Venkatraghavan, President - Thirumalai Chemicals Limited, **Ms. RAMYA BHARATHRAM**, Managing Director & CFO, Thirumalai Chemicals Limited, **Mr. ARVIND KUMAR**, Managing Director, CPCL, **Dr. GSK VELU**, Chairman, FICCI Tamil Nadu State Council & Trivitron Healthcare/Neuberg Diagnostics Group of Companies, **Mr. M. P. SURYA PRAKAS**, Executive Director - Ponpure Chemical India Pvt Ltd