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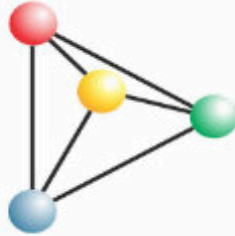


Government of India
Ministry of Chemicals and Fertilizers
Department of Chemicals and Petrochemicals



13th BIENNIAL INTERNATIONAL EXPO & CONFERENCE

INDIA CHEM 2024



“Advantage Bharat: Indian Chemicals and Petrochemicals Paving the Future”

17th – 19th October 2024
Bombay Exhibition Centre (BEC)
Mumbai

EXHIBITOR PROFILE

CHEMICALS

- ▶ Fine and Specialty Chemicals
- ▶ Agro Chemicals & Fertilizers
- ▶ Basic Chemicals, Dyes and Pigments
- ▶ Chemicals from Herbal and other natural resources
- ▶ Paints and Coatings
- ▶ Soaps and Detergents
- ▶ Clean Technology tie-up
- ▶ Consultancy for Waste management, Feedstock linkages, Processing, Marketing management, Safety and Environment protection
- ▶ Industrial R & D
- ▶ Mechanical and Thermal Processes
- ▶ Flavours and Fragrances

- ▶ Inorganic - Organic Chemicals
- ▶ API Intermediates

PETROCHEMICALS

- ▶ Polymers
- ▶ Olefins
- ▶ Synthetic Fibers
- ▶ Elastomers
- ▶ Aromatics
- ▶ Surfactants

PROCESS PLANT MACHINERY & EQUIPMENT

- ▶ Process & Plant Technology
- ▶ Machinery & Equipment
- ▶ Engineering Project Management & Construction Services
- ▶ Environmental / Pollution Management

- ▶ Filtration & Separation Systems
- ▶ Process Plant Design Services
- ▶ Pumps and Valves, Safety Systems
- ▶ Tubes & Fittings, Test Kits & Procedures
- ▶ Environmental & Water Management Systems
- ▶ Laboratory Apparatus
- ▶ Research & Development
- ▶ Spectroscopy
- ▶ Testing & Measurement Technology
- ▶ Instrumentation & Process Control

Concurrent Event
INDIA PROMACH 2024
17th – 19th October 2024
Bombay Exhibition Centre (BEC), Mumbai

CHEMICALS ▶

PETROCHEMICALS ▶

TECHNOLOGIES PROCESS
PLANT MACHINERY, CONTROL
& AUTOMATION SYSTEMS ▶

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Cphi - Informa Group

No	Exhibitions	Date	Place
1	CPhi North America	May 20-22, 2025	Pennsylvania Convention Center, Philadelphia
2	CPhi Barcelona	Oct 24-26, 2024	Fira Barcelona Gran Via, Spain
3	CPhi Middle East & Africa	Dec 10-12, 2024	Riyadh, Saudi Arabia
4	CPhi China- Virtual CPhi	June 24-26, 2025	Shanghai New International Expo Center
5	CPhi Japan	Apr 09-11, 2025	Tokyo, Japan
6	CPhi Korea	Aug 27 - 29, 2024	COEX, Seoul, Korea
7	CPhi India	Nov 26-28, 2024	Noida, India

MECS (Coating Show)

1	Asia Pacific Coatings Show	Sept 11-13, 2024	Indonesia
2	Saudi Arabia Coatings Show	May 13-15, 2025	Dammam Saudi Arabia
3	Middle East Coatings Show	2026	Dubai World Trade Centre
4	Coatings For Africa	2026	Johannesburg, South Africa

DYE+CHEM

1	Dye+Chem Morocco International Expo	Nov 7-9, 2024	Morocco
2	43rd Dye+Chem Sri Lanka International Expo	March 20-22, 2025	Colombo Sri Lanka
3	Dye+Chem Bangladesh International Expo	Sept 4-7 2024	Bangladesh
4	44th Dye+Chem Brazil International Expo	July 10-12 2024	Brazil

Red Carpet Events

1	Bangladesh Int'l Dyes, Pigments and Chemicals Expo	Oct 24-26, 2024	Dhaka, Bangladesh
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Turkey (Arkim Group)

1	InterDye Textile Printing Eurasia	Nov 27-29 2024	Istanbul, Turkey
2	Paint Istanbul TURKCOAT	2026	Istanbul
3	Paint Expo Euroasia	Oct 01-03, 2025	Istanbul Expo Center / Istanbul Fuar Merkezi

Other Exhibitions

1	Paint India	Jan 30-31, 2025	Bombay Exhibition Centre, Mumbai
2	Expo Paint and Coating	June 27-29, 2024	Pragati Maidan, New Delhi
3	CIPI	TBD	Mumbai, India
4	Chemspec Europe	TBD	Germany
5	ChemUK Expo	May 21-22, 2025	NEC, Birmingham, UK
6	American Coatings Show	2026	Indianapolis
7	China Coat China	Dec-24	China Import & Export Complex, Guangzhou
8	Interdye China	TBD	Shanghai, China
9	Paint Expo Germany	Apr 14-17, 2026	Messe Karlsruhe Germany
10	India Chem	Oct 17-19 2024	Mumbai Exhibition Centre, India
11	Water Expo 2024	Feb 26-28 2025	New Delhi
12	Inacoating 2024	July 30-Aug 1, 2024	JIExpo Kemayoran, Jakarta - Indonesia
13	Expo Paint & Coating	Sept 19-21, 2024	ICC Dhaka, Bangladesh



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Vitamin-E Acetate Details : Cosmetic Grade - Vitamin-E Acetate Make-BASF Application - Cosmetic use . Gaziabad, Uttar Pradesh, India	100 Kgs	None
Dilute Acetic Acid CAS#- 7585-20-8 Details : Need it on a regular basis. Mumbai, Maharashtra, India	30 Tonnes	None
Copper Sulphate - CAS# 7758-99-8 Details : Need it on a regular basis. Mumbai, Maharashtra, India	10 Tonnes	None
Titanium Dioxide TIO2 - CAS#: 1317-70-0 Details : Anatase Grade. Mumbai, Maharashtra, India	5 Tonnes	Chemical
XANTHAN GUM FOOD GRADE 80 MESH Details : Shipping location:- CIF offer to Mombasa Port. Currently in need of this item to support our operations, and we would like to know if your company can supply this product. We value quality and require suppliers that can provide us with consistent and reliable products that meet our stringent standards. Ellesmere Port, Cheshire West and Chester, UK	40 Tonnes	Not Applicable



How can Indian acetic acid producers can turn the tide and compete with China

Introduction:

Have you caught the wind of the news, that China is solidifying its dominance in the acetic acid market and controlling about 60% of the global acetic acid production capacity? This has an impact on our nation and they are facing crucial crossroads. This rapid evolution of China from a net importer in 2019 to a leading exporter by now underscores their technological advancements and cost-efficient strategies. For now, Indian companies are battling their way up in the competition in terms of acetic acid production front. Can Indian companies survive the onslaught without embracing cutting-edge technologies like process automation, bio-based production and innovative catalysis? Probably not. The article comes up for the Indian acetic acid sector to turn this global shift into an opportunity and lead their way up through innovation and strategic moves. Let's begin.

Importance and demand of Acetic acid:

Acetic acid is an industrial chemical that is utilized across several fields and used primarily in the production of the material used in several applications including the production of photographic films. This cellulose acetate is known for its qualities such as transparency, toughness, and flexibility. Therefore, the material remains relevant in various modern applications including textiles, and coatings.

Likewise, acetic acid is used in the production of Polyvinyl acetate, which is then used in the production of wood glue. The strong adhesion to the porous surfaces like wood, water-based and non-toxic characteristics gains traction for the chemical. The involvement of

acetic acid helps in creating a polymer that is water-soluble in its emulsion form and further makes the glue easier to apply and non-toxic. Now, polyvinyl acetate plays a significant role in the production of synthetic fibres and fabric.

Acetic acid is also used in the production of acetic anhydride which is used in the production of pharmaceuticals, perfumes and agricultural chemicals.

On the other hand, acetic acid is utilized as a descaling agent itself at the household level. Therefore, the versatile applications and growing demand of the sectors that involve the chemical compound that is derived from acetic acid ensure a steady demand for acetic acid.

The tremendous growth of these sectors is going to impact the demand for acetic acid on a larger scale. For instance, the Indian pharmaceutical industry is expected to grow \$65 billion by 2024 and \$130 billion by the year 2030. The backing of Ayushman Bharat Digital Mission to support the nation's integrated digital infrastructure is expected to further propel its growth.

Likewise, other sectors such as the food and beverage industry, biochemicals and green alternatives are also growing at their respective pace and effectiveness. These factors are expected to keep the demand for acetic acid at a high level and support the production requirements.

China accounts for about 60% of the global capacity of acetic acid- its impact on Indian industries:

China saw a huge shift in the production

capacity of acetic acid which accounts for about 60% of the total production capacity. They were standing as a net importer in 2019 and now possess the largest acetic acid capacity.

How has this affected the Indian PTA producers?

The growing dominance of China in the production of PTA has created challenging situations for Indian companies such as Reliance Industries. The Indian companies are suffering to set up or compete on price, especially in the marketplace like Southeast Asia, and Africa.

Domestic price pressure is another factor that concerns Indian producers as cheaper imports affect margins and market share. At the same time, China is entering global markets with their cheaper market price.

The impact of raw material, Paraxylene on Indian companies is affecting the demand and pricing of Paraxylene globally. Although companies like reliance industries are major producers of paraxylene, the increased PTA capacity has affected the market to either stabilize or even rise. This influence of the cost structure for the Indian producers and traders is considered a big stumbling block to counter.

What about the other downstream industries like textiles and packaging?

PTA is a key component in the production of polyester that is widely used in the textile industry. Now, the cheaper imported PTA benefits the textile industries of India, however, the finished polyester products in the global markets are inducing stiffer competition



and fertilizers has caused their demand to increase and has created export opportunities for Indian agrochemical companies. Especially the ones that are thinking about expanding their presence globally.

Food processing industries:

The growing food processing sector in India and the country is focusing on the development and production of products such as margarine, baked goods and snacks have benefited from the competitive price of palm oil as a leading importer.

Latin American exports grow and Indian food processing companies benefit from the competitive palm oil prices which has lowered the input costs for the food manufacturers. On the other hand, the situation has improved the supply chain resilience for India.

Stabilize raw materials supply for the chemical industries across India:

The situation has created opportunities for Indian chemical companies to look for ways to establish stronger trade with Latin American Producers. This will eventually reduce their dependence on



Southeast Asian suppliers.

For instance, palm oil is a major raw material for the production of oleo

chemicals that are utilized in products such as detergents, cosmetics, biodiesel etc.

The increase in the production of palm oil in Latin American regions has created opportunities for India to stabilize their palm oil supply, reduce price volatility, and ensure a consistent supply of oleochemical inputs.

Final thoughts:

Latin America's rapid expansion of palm oil production is a mix of good news and challenges for India as a leading importer. The benefits such as diversified supply chains, competitive pricing, and reduced dependency on Southeast Asia and others are massive and they lie in strategizing or channeling the benefits toward the growth of the country. Now it's time for India to rethink of the import strategies and invest in more sustainable and innovative practices across their industrial sectors.

Source : Vinodini Harish

The future of Indias Energy sector Indias Ambitious Plan to Expand Crude Oil Refining Capacity by 2030

Introduction:

India's energy sector is undergoing significant expansion to meet the growing domestic demand and the prime focus is on enhancing energy security, balancing domestic consumption and competing in the global energy market. This transformation has come at a time when the world is moving towards cleaner energy and sustainable options. How is the country going to deal with the critical decisions and how will this global shift move the country towards cleaner energy? In this article, we have

explored different sections associated with the topic and let's begin.

The current status in the Indian energy market:

India is currently considered one of the fastest-growing energy markets in the world and is facing huge demand for crude oil due to its expanding economy and growing population. Therefore, there is a higher consumption of energy resources like coal, oil and natural gas. Russia faced sanctions due to its war with Ukraine and the global oil prices rose sharply. This condition has led to

redirecting most of its exports including crude oil to Asian countries, including India which did not impose sanctions. Therefore India has been able to buy oil from Russia since then at discounted prices thereby increasing the imports from 950,000 barrels per day in June 2022 to about 2 million barrels per day by May 2023. These factors throw light on the fact that India relies on imports for 85% of its crude oil needs. Therefore it has to focus on other affordable sources.

India now is planning to boost its oil refining capacity which will eventually



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