

PRAKASH

Chemicals Agencies



ILLUMINATION

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India’s Chemical Industry 2040: From Capacity to Value

BLOG
OF THE MONTH

India’s Chemical Sector: The Road to 2040

India’s chemical sector is targeting a \$1 trillion future. The opportunity, however, is not simply higher production—it is about capturing more value from every molecule.

India is currently the world’s sixth-largest chemical producer, with over 80,000 commercial products. NITI Aayog projects the sector could reach \$850 billion–\$1 trillion by 2040, driven by rising domestic consumption and exports. The key challenge is moving from production scale to higher value capture.

1. Feedstock Security: Strengthening the Upstream Chain

Challenge: Dependence on imported building blocks such as ethylene, propylene, benzene, toluene, and xylene exposes manufacturers to freight costs, duties, currency fluctuations, and supply disruptions.

Solution: Expand cracker capacity and integrated Crude-to-Chemicals (C2C) complexes while maintaining diversified global sourcing. Stronger domestic linkages can provide downstream manufacturers with greater supply and pricing stability.

2. Moving Toward High-Performance Chemistry

Challenge: Commodity chemicals compete largely on volume and price, making margins vulnerable to energy and global market cycles.

Solution: Shift from “tonnes sold” to “performance delivered.” Specialty chemicals command greater value through controlled particle size, viscosity, purity, thermal stability, and reaction selectivity.

Investment in application labs and custom synthesis can convert basic feedstock into high-margin functional materials.

3. Overcoming Scale-Up Barriers

Challenge: A reaction that performs well in a laboratory may behave differently at commercial scale due to heat transfer, mixing, and concentration gradients.

Solution: Use advanced process engineering tools such as:

- Reaction Calorimetry for heat-generation mapping
- PAT for real-time reaction monitoring
- CFD for optimized mixing and reactor design

These capabilities enable higher yields and more reliable commercial manufacturing.

4. Process-Level Sustainability & Infrastructure

Challenge: Standalone facilities increase energy, solvent, logistics, and waste-treatment costs.

Solution: Integrate sustainability into plant operations through:

- Closed-loop solvent recovery
- Shared utilities and co-generation
- Dedicated pipeline corridors
- Shared ZLD infrastructure
- IoT & AI-driven predictive process control

The 2040 Vision: The next decade is not about simply building bigger factories. It is about optimizing the conversion chain:

Feedstock → Molecule → Specialty Formulation → High-Value Application

By combining secure feedstocks, advanced process engineering, specialty chemistry R&D, and integrated infrastructure, India can move from volume-led growth to value-led growth.

The defining question for 2040:

“How much value can we engineer from every tonne?”

Mr. Ashish Patel
Regional Marketing Head
Editor for the Month



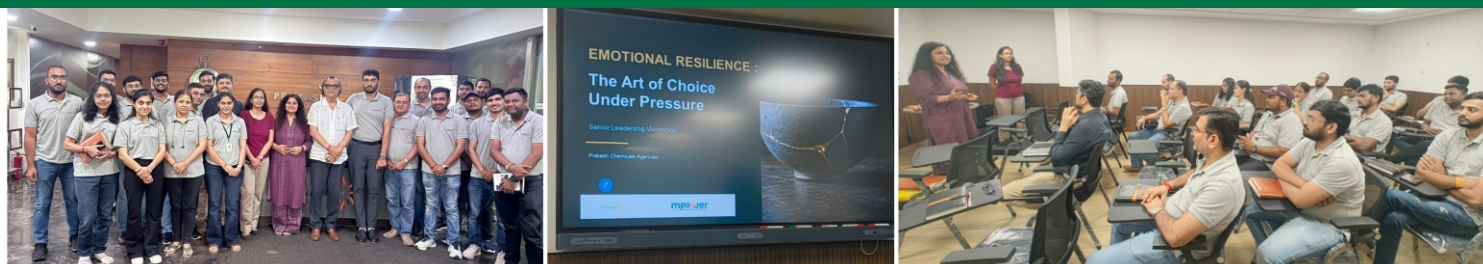
On our MD Mr. Dilip Shah's birthday, we celebrated the special occasion with joy and gratitude, bringing our team together for a memorable celebration followed by a delightful lunch at Prasadam



In honour of our MD Mr. Dilip Shah's birthday, we distributed 52 walking canes to visually impaired girls, extending support and care on his special day



We conducted an Emotional Intelligence session for our Senior Leadership Team, focusing on mindful communication, self-awareness, and effective leadership



Birthday Celebrations at PCAPL



Ms. Sangita Kale



Mr. Anil Rabari



Ms. Rinam Shah

On Teachers' Day, we celebrated the dedicated staff of our adopted Anganwadi with thoughtful gifts and honoured them with sashes



On Janmashtami, we celebrated the festive spirit with the children of our adopted Anganwadi through joyful activities and celebrations



We donated an RO water purification plant to Arpan School, ensuring access to clean and safe drinking water for students and staff



We organised a free general health check-up for the adopted Anganwadi community, promoting health awareness and well-being





- Upcoming Chemicals Sector Policy of Maharashtra will focus on building a stronger ecosystem through a sector-specific framework, integrated chemical parks, and measures supporting innovation and technology-led growth.
 - Chennai-based Tuticorin Alkali Chemicals and Fertilizers Ltd. (TFL), a manufacturer of Soda Ash and Ammonium Chloride, has unveiled a new brand identity and logo, marking the next phase of its evolution towards sustainable manufacturing.
 - Amar Equipments Pvt. Ltd., a pioneer in high-pressure hydrogenation systems, has inaugurated a state-of-the-art flow laboratory to advance continuous manufacturing for the fine chemicals industry.
 - Mumbai-based Hikal, a supplier of ingredients and intermediates to pharmaceutical and crop protection companies, has begun personal care ingredients production at its Panoli site.
 - US-based electronics recycler ERI has entered into a strategic partnership with Mumbai-based e-waste recycling and electronic waste management company Eco Recycling Ltd. (Ecoreco) to launch a jointly owned venture called ERI India.
 - Hindalco has commissioned India's first particulate Aluminium Trihydrate plant at Belagavi.
 - Ultramarine & Pigments has completed an in-house Life Cycle Assessment for Ultramarine Blue pigment.
- Tata Chemicals has announced that its wholly owned subsidiary, Tata Chemicals North America Inc. (TCNA), has been declared the successful bidder in the Chapter 11 bankruptcy proceedings.
- Pune-based Sudarshan Chemical Industries Ltd. has signed a definitive Share Purchase and Transfer Agreement to sell its entire stake in step-down subsidiary VP4 Frankfurt GmbH to Celanese US Holding LLC, a unit of US-based chemicals firm Celanese, for EUR 76.5 million.
 - The biotechnology sector, including biofuels, biochemicals, and biomaterials, has seen a wave of closures, bankruptcies, and significant downscaling due to challenging economic conditions.
 - Gurugram-based Ritco Logistics Ltd. has been awarded a contract worth approximately Rs 334 crore by HPCL Rajasthan Refinery Ltd. (HRRL), a joint venture of Hindustan Petroleum Corporation Ltd. (HPCL), for pan-India transportation of polymer granules.
 - Mumbai-based Aarti Surfactants has incorporated a wholly owned overseas subsidiary, Precision Ingredients USA Inc.
 - Prasol Chemicals Ltd. proposes to open the Initial Public Offering of its equity shares, with a face value of Rs 2 each, on September 08, 2026.
 - Belgian specialty chemicals and materials firm Syensqo is investing in a new compounding line for high-performance aromatic polymers at its Gujarat site to strengthen its capabilities.
 - Gurugram-headquartered Shivlek Spechem Industries Ltd., the flagship company of the Shiva Group of Industries, has announced plans to invest Rs 15 crore to scale up Chlorinated Paraffins (CP) production at its Kurnool facility in Andhra Pradesh.
 - Vipul Organics' ADIMEM unit has acquired a membrane sheet manufacturing platform from Denmark-based membrane technology company Aquaporin through a competitive bidding process.
 - Chennai-based producer Ultramarine & Pigments Ltd. has completed a Life Cycle Assessment (LCA) of its Ultramarine Blue pigment, with the study independently critically reviewed and certified.
 - Surat-based Acutaas Chemicals announced on August 28, 2026, that its South Korean step-down subsidiary, Indichem Inc., has inaugurated a semiconductor materials plant at Gongju, Chungcheong Province, South Korea.

The Sculptor and the River Stone

A master sculptor was once asked to create a statue that represented “Time.” Everyone expected him to carve an hourglass, a clock, or some grand symbol of the passing years.

Instead, the sculptor went to a nearby river and selected an ordinary stone. He brought it to his workshop and spent months carefully working on it. When he finally presented his masterpiece, the people were surprised. There was no elaborate carving, no decoration, and no complicated design—just a perfectly smooth river stone.

The critics were disappointed.

“Is this really your representation of Time?” one asked. “It looks like an ordinary stone. Where is the great work you promised us?”

The sculptor smiled and replied, “Look at the stone carefully. It was not always this smooth.”

He explained that the stone had once been rough and covered with sharp edges. For hundreds, perhaps thousands, of years, the river had flowed over it. No single drop of water was powerful enough to change the stone. Yet the water never stopped. Day after day, year after year, its gentle movement slowly wore away the rough edges until the stone became smooth and beautiful.

“This,” said the sculptor, “is the true face of Time. Great change does not always happen through one powerful action. Sometimes, it happens through small actions repeated consistently over a very long period.”

The critics stood silently, finally understanding the meaning of the sculpture.

The stone was not simple-it was a testament to endurance.

Life is much the same. We often expect immediate results from our efforts. When nothing seems to change, we become discouraged and feel that our small efforts do not matter. But every step, every attempt, every kind word, every day of discipline, and every small act of perseverance adds up.

A single drop of water cannot shape a stone. But a river can. So never underestimate a small effort repeated every day. Time and consistency can accomplish what sudden force cannot.

MORAL : Great things are not achieved in one moment; they are shaped by countless small efforts, patiently repeated over time.



Manage Energy, Not Just Time

MANAGEMENT TIPS

In today's fast-changing workplace, one of the most useful management lessons is: "Don't manage only your team's time—manage their energy and attention."

Traditional management often focuses on schedules, deadlines, meetings, and working hours. But productivity depends not only on how many hours people work, but also on how effectively they use their attention, energy, and skills.

Protect the Team from Unnecessary Work

Managers should regularly ask: "What can we stop doing?" Too many meetings, repeated reports, unnecessary approvals, and excessive communication can consume valuable productive time. Eliminating low-value activities can sometimes improve performance more than adding new targets.

Focus on Priorities

A team cannot treat everything as urgent. Give employees 2–3 clear priorities rather than a long list of tasks. A simple management question is: "If we can accomplish only one important thing today, what should it be?" This encourages clarity and prevents employees from becoming busy without being productive.

Give People Ownership

Instead of giving instructions for every small activity, explain the expected result and allow capable employees to decide how to achieve it. Ownership creates responsibility. Employees are generally more engaged when they feel that their judgment and contribution matter.

Make Feedback Frequent and Simple

Do not wait for an annual performance review to discuss problems. A short, timely conversation can be much more effective.

Try this approach: What went well? What could be improved? What support is needed?

The purpose of feedback should be improvement, not blame.

Recognize Progress

Recognition does not always need to be financial. A sincere "Well done," "Thank you," or "Your effort made a difference" can have a meaningful effect when it is specific and genuine.

Recognize not only final results, but also good work, improvement, initiative, and taking responsibility for outcomes.





PUZZLE YOUR MIND

Q.1) What number gets bigger, when you turn it upside down?

Q.2) There are 4 people in a square room. Each person can see exactly 3 people without moving their head or turning around. How is this possible?

Q.3) I have no voice but I can teach you. I have no Soul but I can move you. I have no life but I can be dead. What am I?

Q.4). OSTRICH = 2 BUFFALO = 3 KANGAROO=?

Q. 5) A full Calendar feeds the schedule but empties the spirit. Define.



No Winners in the month of August

Answer to the Puzzles of August 2026

Q.1) 78

Q.2) If you are determined, you can find a way to succeed.

Q.3) Zero

Q.4) 7

Q.5) Fixing a problem early can prevent a biggest problem later.

*It is during our darkest moments
that we must focus to see the light*

Our Network



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Ahmedabad (Office):	H-110, 1st Floor, Titanium City Center, Nr. Sachin Tower, 100 Feet Ring Road, Satellite Area, Ahmedabad, 380 015 M: 8511126722 8511126720
Ahmedabad (Warehouse):	Plot No.8, Red Flag Business Park, Motipura Chowkdi, B/d Komal World Wide, Narol, Ahmedabad
Surat (Office & Warehouse):	B-119,120 C-119,120 Green Park, Surat Navsari Road, Unn Sachin, Surat, Pincode - 394210
Rajkot (Warehouse):	Khodiya Park Shed No.3, Ruda Transport Nagar, Sokhada Village, Navagam, Taluka: Rajkot, Dist. Rajkot, 360 002 M: 84889 80856 8511166879 63588 08757
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