

**PRAKASH**

Chemicals Agencies



# ILLUMINATION

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world of chemistry*





✓ Blog of the month	-----	03 Page
✓ Business Plan 2024-25	-----	04 Page
✓ Celebrations	-----	05 Page
✓ CSR activities	-----	07 Page
✓ Market update	-----	09 Page
✓ Moral Story	-----	10 Page
✓ Management tips	-----	11 Page
✓ Puzzle your mind	-----	12 Page

India is the highest milk producer and ranks first position in the world contributing around 25% of global milk production. India's dairy sector has evolved from traditional practices to a dynamic and multifaceted industry.

Several factors have propelled the growth of India's dairy and cheese industry. Firstly, the country's diverse agro-climatic conditions support year-round milk production, bolstered by a vast network of dairy cooperatives and private players. Moreover, technological advancements in dairy farming practices, animal husbandry, and processing have enhanced productivity and quality standards.

### Cheese Production Process Involves :

Milk Sourcing → Pasteurization → Culturing → Coagulation → Cutting and Stirring → Heating and Cooking → Draining and Pressing → Salting → Aging → Packaging

Cheese is a concentrated source of essential nutrients such as protein, calcium, phosphorus, vitamins A and B12, and zinc. These nutrients are important for bone health, muscle growth, immune function, and overall well-being. While cheese is relatively high in saturated fat, it also contains beneficial fats such as monounsaturated and polyunsaturated fats.

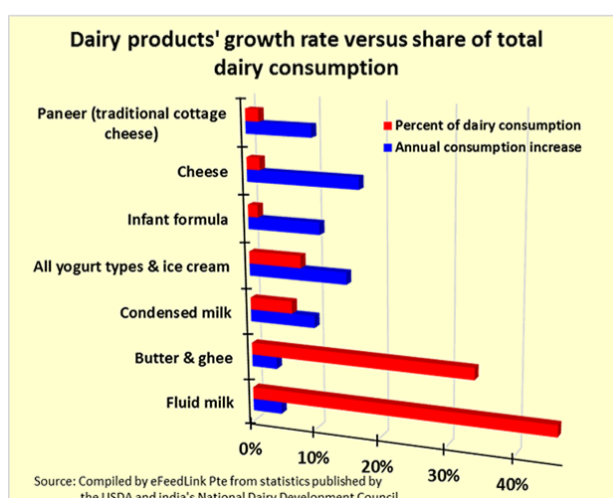
The market encompasses various types of cheese, including soft cheese (e.g., brie, Camembert), semi-soft cheese (e.g., cheddar, Gouda), hard cheese (e.g., Parmesan, aged cheddar), and processed cheese.

Technological advancements in cheese production, processing, and packaging are expected to drive efficiency, quality, and safety in the industry. Automation, robotics, data analytic, and AI-driven solutions may streamline cheese manufacturing processes and enhance product consistency and traceability.

Despite the growth potential, the Indian cheese industry faces several challenges, including infrastructure limitations (in maintaining consistent quality), supply chain inefficiencies (cold storage facilities and transportation network), quality control issues, and fluctuating milk prices. Additionally, there is a need for more awareness and education about cheese among Indian consumers, especially in non-metro areas.

The demand for convenience foods, including cheese-based products like processed cheese slices, cheese spreads, and ready-to-eat meals, has been on the rise.

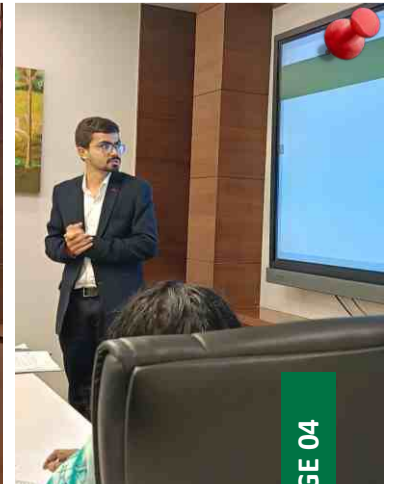
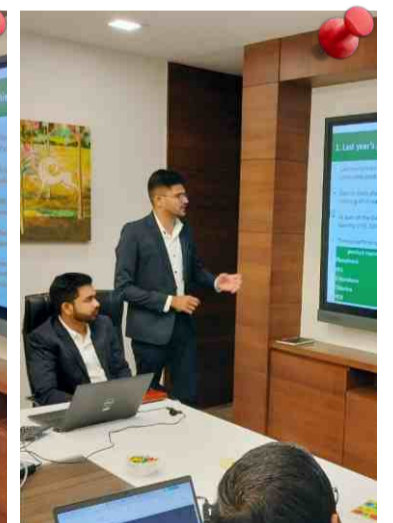
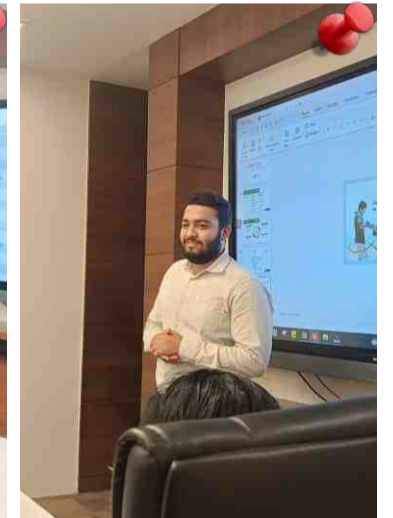
Some of the prominent cheese manufacturers in India : Amul, Mother Dairy ,Britannia Industries Limited, Parag Milk Foods, Prabhat Dairy, Gowardhan etc.



**Mr. Jayesh Shah**  
Executive (Marketing)  
*Editor for the Month*



**PCAPL Business Plan 2024-25**





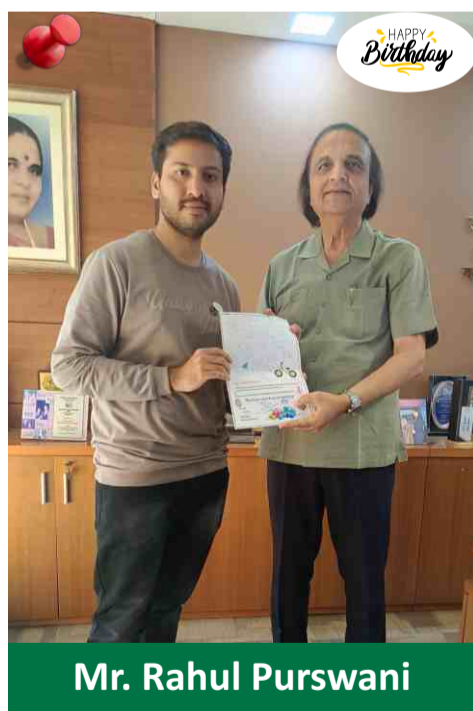
**Employee appreciation day celebration with PCAPL Team**



**Women's day celebration at Prakash house**



**Ms. Riddhi Panchal**



**Mr. Rahul Purswani**



**Ms. Miti Thakkar**

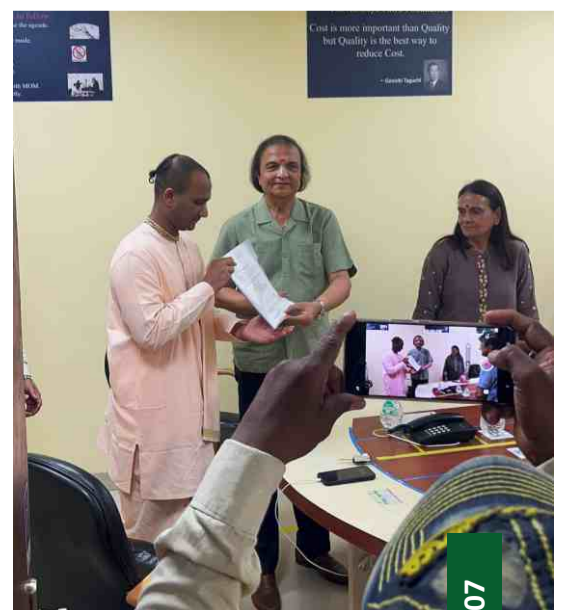


**Ms. Simran Vishnani**



**Mr. Hardik Rajpara**

Our MD Mr. Dilip Shah (PCAPL) donated a MEAL VAN to Hare Krishna movement foundation - Akshaya Patra near Nandalay Subhanpura Vadodara under their CSR initiative





**Awareness drive conducted on "No Smoking Day"**



**Session with Cervical cancer**



**Participated in CSR/HR forum**



**Workshop on kuposhan Mukht Vadodara Organized by ICDS**



**Women's day celebration with Anganwadi staff**

**Stall exhibition in Nari Vandan program**





- Jubilant Ingrevia has announced the commissioning of its state-of-the-art, multi-purpose, agrochemical active & intermediates plant at its manufacturing facility at Bharuch, Gujarat.
- Pondy Oxides and Chemicals Ltd., a Chennai-based manufacturer of lead, lead alloys, zinc oxide and plastic additives, is set to invest around Rs. 570-crore in greenfield and brown-field capacity expansion programmes.
- Gujarat Alkalies and Chemicals Ltd. (GACL) hosted a sectoral workshop on 'Best Practices in Energy Efficiency in Chlor-Alkali Sector: A Path for Decarbonisation' at its Dahej Complex in Gujarat on February 27, 2024.
- Germany-based International Chemical Investors Group (ICIG), has acquired a majority stake in Hyderabad-based Vasant Chemicals.
- Grasim Industries Ltd., the flagship company of the Aditya Birla Group in its Chemical business, formally inaugurated the expansion project for epoxy resins and formulated products at Vilayat, Gujarat on January 30, 2024..
- Hindustan Zinc on February 26 incorporated a new subsidiary, Hindmetal Exploration Services Pvt. Ltd., to develop strategic, deep-seated and offshore minerals.
- Vipul Organics Ltd., a BSE-listed specialty chemicals company in the pigments and dyes segment, has announced the receipt of environmental clearance for its proposed expansion plans at its existing site in Ambarnath, in the outskirts of Mumbai.
- Asian Paints (Polymers) Pvt. Ltd. (APPPL), a wholly-owned subsidiary of Asian Paints, has entered into agreements with Gujarat Chemical Port Ltd. (GCPL) for setting up an ethylene storage and handling facility at Dahej, Gujarat.
- Meghmani Crop. Nutrition (MCNL), a wholly-owned subsidiary of Meghmani Organics Ltd. (MOL), inaugurated its nano urea plant at Sanand, Ahmedabad, on March 6, 2024.
- In a significant milestone for the domestic oil & gas sector, the inauguration ceremony of the Surfactant-Polymer (SP) Pilot Injection Plant by ONGC was held on February 27, 2024 at its Ahmedabad asset.
- Hyderabad-based pharma excipient specialist, Sigachi Industries Ltd., has announced the incorporation of a joint venture in UAE to tap opportunities in the region's food and pharma market.
- Diversified chemicals producer, Atul Ltd. recently inaugurated a Process Engineering Research Laboratory at its site in Atul, District Valsad, Gujarat.
- Fragrances & flavours firm, Ultra International, has announced a new partnership with Ecospice Ingredients, a Kerala-based maker of essential oils, oleo resins, and herbal extracts processed from materials procured directly from farmers.
- Sweden-based specialty chemicals company, Perstorp, has built and commissioned a state-of-the-art, ISCC Plus certified, plant in western India to meet growing market demand for Pentaerythritol (penta) chemicals. Located in Sayakha, Bharuch, in Gujarat, the facility was officially inaugurated on February 20.

# The Three Billy Goats

## MORAL STORY

**Once** upon a time there were three Billy-Goats Gruff; Little Billy Goat, Young Billy Goat and Great Old Billy Goat, who lived in a field in a Green Valley. The three of them loved eating fresh green grass, but sadly their field was now brown and barren because they'd eaten every last piece of grass. One day they were still hungry. Far away in the distance, they saw a field across the stream that was full of lush sweet scrummy grass. "Let's go graze in that field!" they exclaimed in excitement, but alas there was only one way to get to it, by crossing a rickety bridge over the stream. But under the bridge lived a terrifically terrifying terrible troll called Trevor – he was always hungry too. And his favourite food to eat was a nice juicy billy goat. "We need to tread carefully and be as quiet as we can!" said the old Billy Goat, cautioning the others about the troll.

The Little Billy Goat was the first to reach the bridge. Gingerly, he put one hoof and then another onto the bridge and started walking across. But because the old bridge was so rickety, his hoof still went trip trap, trip trap on the wooden planks of the bridge however hard he tried. Suddenly there was a huge roar. "Who's that trip trapping over my bridge?" Quaking in his hooves, Little Billy Goat Gruff managed to squeak, "It's only me. I'm only going to look for some grass to eat." "Oh no you're not! I'm going to eat you for my breakfast, lunch and tea!" "Oh no!" said the Little Billy Goat Gruff, completely terrified. "I'm just a little Billy Goat Gruff. Why don't you wait for my brother? He's bigger than me and much tastier." "He agreed and said Fine, I'll let you go, and wait for the bigger goat!". The Little Billy Goat Gruff crossed the bridge and began to eat the fresh green grass on the other side.

The other goats saw Little Billy Goat Gruff eating the fresh green grass and were jealous because they wanted some too. So young Billy Goat Gruff went down to the bridge and began to cross the stream. Trip, trap, trip, trap went his hooves. Again the Troll loomed out from under the bridge. 'Who's that trip trapping over my bridge?' he roared. Quaking in his hooves, Young Billy Goat Gruff managed to say in his softest voice, 'It's only me. I'm following my brother, Little Billy-Goat Gruff, so I can eat the sweet grass.' 'Oh no you're not! I'm going to eat you for breakfast, lunch and tea!' 'Oh no, Mr Troll, Young Billy Goat said I am not the one you want to eat. I'm just an average-sized Goat. I'm not big enough to fill you up. Wait until my big brother comes; he's much bigger and tastier than me.' 'Oh all right,' said the Troll and let the young Billy-Goat Gruff go and he began to eat the sweet green grass with Little Billy-Goat Gruff.

Big Bold Billy-Goat Gruff was jealous and couldn't wait to get across the bridge and join his brothers. So boldly, he put his hooves onto the bridge. Trip, trap, trip, trap. Suddenly the Troll loomed out from under the bridge. 'Who's that trip trapping over my bridge?' he boomed. 'It's me. Big Billy-Goat Gruff. Who do you think you are?' 'I'm the Troll and I'm going to eat you for breakfast, lunch and tea!' 'Oh no, you're not!' 'Oh yes I am – you'll see!' Then the Troll rushed at Big Billy-Goat Gruff, who bent his head and bravely charged at the Troll, catching him up in his horns and tossing him into the stream below. The Troll disappeared under the rushing water, never to be seen again. From then, the goats happily grazed the fresh green grass across the stream whenever they liked.

### MORAL OF THE STORY

*It inspires the importance to be strong and brave against any circumstances. Also teaches the importance of not being greedy. It teaches to be contented and grateful for what they have, rather than taking risks for things they don't have and want out of greed.*



Performance Dialogue (PD) is a documented and time-sensitive conversation between the supervisor and the employee that ensures organizational effectiveness and staff engagement. The conversation provides an opportunity to:

- Identify work objectives and evolving priorities
- Explore developmental/training options
- Recognize successes and determine areas for improvement
- Discuss career aspirations

It is a regular, structured, face-to-face conversation between managers and their direct reports about organizational performance—arguably one of the most powerful management tools at a leader's disposal. PD is an opportunity for professional and personal development. It also focuses on clarifying objectives and expected performance.

PD provides an important opportunity to review the achievements and work performance of staff during the past reference period and to set mutually agreed-upon objectives. It is an occasion to align employee developmental goals with emerging Unit or Faculty needs and directions. Performance conversations are essential to help employees reach their full potential and foster strong relationships within the workplace. These one-on-one discussions allow managers and employees to engage in active listening, personalized professional development, and rapport-building.

PD should be a priority for managers and employees. It helps ensure that everyone's personal goals are aligned with the company's objectives and provides valuable insights on ways the employee and the manager can improve. When evaluations are put first, the entire company can benefit.

The PD process is an opportunity for candid feedback and to agree on a plan for achievement and job satisfaction. It is important that both the employee and supervisor recognize that PD is a mutually beneficial discussion and that the outcome impacts both of them. Facilities Services are committed to supporting the professional development and career advancement of all staff at every level. To that end, the PD process is expected to be a candid and objective process, free of biases and discrimination.

Performance Dialogue ensures work focus and work quality because it is a discussion about work, not an economic evaluation. By utilizing the PD process, a leader can work closely with each employee to successfully clarify and set expectations, track and measure performance, diagnose problems, and produce joint solutions focused on reaching specific goals.

It is very important for us as human beings to bear good and solid moral values like helping others, honesty, righteousness, decency, and even self-decency. People who have great moral values are very indispensable assets to others and even the society at large.





# PUZZLE YOUR MIND

Q1- 0 1 2 = 10  
1 2 3 = 40  
2 3 4 = 90  
3 4 5 = 160  
4 5 6 = ???

Q2- What is the definition of Given Equations :  
5C in an OF

Q3- Arrange the words in a meaningful sequence  
Door - Lock - Key - Car - switch - Room

Q4- Two Fathers and Two Sons came to a Cake shop to buy small  
cakes individually. They buy cakes worth Rs. 35/- & spent  
Rs. 105/- How is that possible?

Q5- Generally I am sitting dry and get wet when in use and become  
stronger when in longer time. What am I ?



## Answer to the Puzzles of February 2024

Q1- Germany

Q2 - 153

Q3 - No colors or colors of the stairs is non-existent

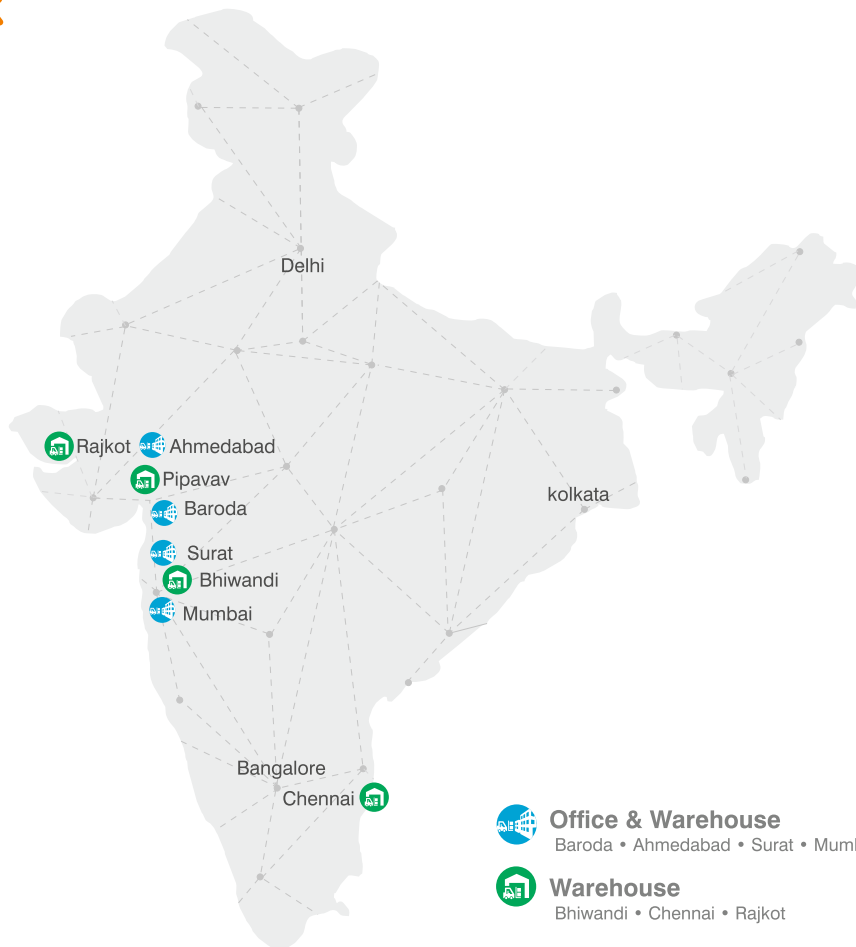
(No colors will be there as it is a one story house so there will be no stairs in this house)

Q4 - 27

Q5 - Because all the people on the boat are married so boat is filled  
with people who are not single.

*“With faith in the divine guidance and  
our courage, we can conquer any challenge  
that comes our way.  
God helps those who help themselves.”*

# Our Network



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