

PRAKASH

Chemicals Agencies



ILLUMINATION


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*Delivering Trust to the
world of chemistry*





 **Puzzle your mind** ----- **10 Page**

Why we need to capture Carbon Dioxide? Carbon Capture and Storage (CCS) is a way of reducing carbon emissions, which could be key to helping to tackle global warming.

India is the 3rd largest emitter of CO₂ in the world after China and the US, with estimated annual emissions of about 2.6 gigatonne per annum (GTPA). The Government of India has committed to reducing CO₂ emissions by 50% by 2050 and reaching net zero by 2070. Globally, power and industry account for about 50 per cent of all greenhouse gas (GHG) emissions. Carbon Capture, Utilization, and Storage (CCUS) encompasses technologies to remove CO₂ from the flue gas and from the atmosphere, followed by upcycling the CO₂ for utilization and determining safe and permanent storage options, thereby reversing its negative impacts. Enabling circular carbon economy (CCE), the technology helps manufacturers capture carbon at the point of emission, i.e., chimneys, and trap carbon dioxide using a chemical oxidation process, for reuse in the production of fuels (methane and methanol), plastic components, fire extinguishers, pharma, soda ash, food and drinks, building materials and agriculture. The carbon captured is stacked and stored deep inside geological formations such as exploited oil and gas wells.

Challenges faced by CCUS:

Some of the challenges CCUS currently faces in India includes: a. development of sorbents that can effectively bind to the CO₂ present in flue gas or the atmosphere, which is expensive, and b. the demand for CO₂ is limited compared to the vast amount of CO₂ that needs to be removed from the atmosphere, to reduce the detrimental environmental impacts of climate change.

CCUS- Global Scenario:

Globally there are about 21 CCUS facilities, with a capacity of capturing about 40 MTPA of CO₂ or only 0.1% of the 40 GTPA global annual GHG emissions. The first CCUS projects started in the 1970s and 1980s in Texas for capturing CO₂ from natural gas processing plants and supplying it to local oil producers for utilizing the CO₂ for Enhanced Oil Recovery. Since then, CCUS has spread to other regions and countries, viz. Norway, Canada, Australia, Brazil, Canada, China, Saudi Arabia and the United Arab Emirates.

What are Carbon Credits? A “carbon credit” is a tradable certificate. More specifically, it is a permit that gives the holder the right to emit, over a certain period, carbon dioxide or other greenhouse gases e.g. methane, nitrous oxide, or hydrofluorocarbons. 1 carbon credit corresponds to 1 metric tonne of carbon dioxide prevented from entering the atmosphere.

Buyers and sellers can also use an exchange platform to trade, which is like a stock exchange for carbon credits. In some cases though, it can happen that it is cheaper to pay a fine than to buy carbon credits due to their high price.

Mr. Zaid Sakarwala
Marketing
Editor for the Month



A tribute to Kumarbhai

On his 19th Death anniversary **PRAKASH FAMILY** pay their homage to this great visionary leader.

Kumarbhai C. Shah

(1929-2004)

CORE VALUES

Respect

Ownership & Commitment

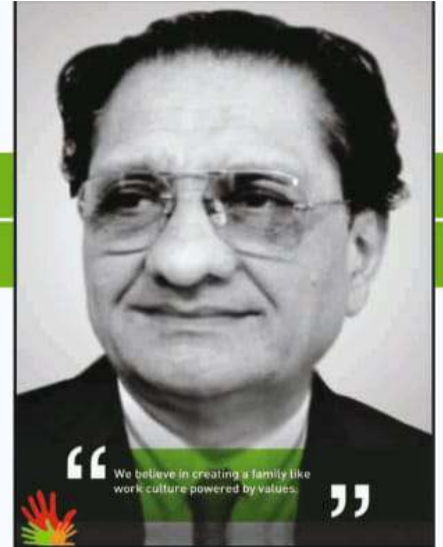
Relationship

Teamwork & Collaboration

You will always be alive in our hearts as the guiding force, through the values and vision that you have embedded within us.

VISION:

"To be an iconic global corporate house powered by values and relationships catalyzing commerce and knowledge across the oceans. An entrepreneurial spirit shall be its signature and the basis of growth and profitability"



Hosted Executive Committee Meet of the Gujarat Chemical Association at "Prakash House"



Mr. Harshal Vani



Ms. Vedika Bargale



Mr. Nilesh Patel



Mr. Jayesh Shah



Zaid Sakarwala receiving Degree at GSFC University Convocation!

HAPPY
Birthday

Mr. Viral Bhatt



Training Session conducted for Govt. School teachers under “Nayi Soch”



Medical Checkup Camp conducted at Adopted Anganwadi Centre



Distributed Nutritional Kit for TB Patients



Screening of Anganwadi beneficiaries



- Chennai-based Sanmar Group arm, Chemplast Sanmar, is planning a Rs. 680-crore capex infusion into its Custom Manufactured Chemicals (CMC) Division.
- The government has set up a task force under the aegis of Fertilizer Association of India (FAI) to find out ways to improve the quality of Single Super Phosphate (SSP) Fertiliser and promote its use as an alternative to Diammonium Phosphate (DAP), Parliament was informed recently.
- Revalyu Recycling (India) Ltd. has announced the start of construction of a 200-tpd (tonnes per day) Polyethylene Terephthalate (PET) Plastic Recycling Plant.
- Crop Care Federation of India (CCFI) the largest manufacturers and exporters of agrochemicals while appreciating the proposed changes in budget have reiterated that the present GST of 18% on Pesticides should be maintained as all the raw material, packing material, containers, Plant & Machinery levy GST of 18%.
- The Board of Directors of SRF Ltd. has approved a project for setting up a range of specialty Fluoropolymers at Dahej, Gujarat, at a projected cost of Rs. 595-crore.
- Meghmani Finechem Ltd. (MFL), a leading integrated chemical manufacturer, has announced that it will be raising its chlorinated polyvinyl chloride (CPVC) resin capacity to 75,000-tpa, by adding another 45,000-tpa of capacity.
- Gujarat-based Meghmani Organics Ltd. (MOL) has announced the commissioning of its Titanium Dioxide (TiO₂) Plant at Dahej, Gujarat. The plant came into MOL's fold with the acquisition of Kolkata-based Kilburn Chemicals Ltd. in December 2021.
- Horizon Industrial Parks, a logistics and industrial parks specialist owned and managed by Blackstone Real Estate funds, has started construction of a 'build-to-suit' manufacturing facility for British construction chemicals firm, Fosroc. The facility will sit within JCK Horizon Industrial Park Kothur, in Hyderabad, which spans 45 acres and has 1.3 million square feet of development potential.
- The overall Ethanol production capacity in India is expected to go up by 25% to 1,250-crore litres by the end of this year, as proactive steps have been taken for faster clearance of the Projects.
- Snowman Logistics, India's leading integrated temperature-controlled logistics service provider, opened its first-ever state-of-the-Art A-Grade dry warehouse for the chemical industry in Shoolagiri, Tamil Nadu.
- The Alkali Manufacturers Association of India (AMAI) is organizing a conference on 'New Developments in Chlor-Alkali industry' and a concurrent exhibition on 16-17 March at Vadodara, Gujarat.
- LANXESS Performance Materials, a leading global joint venture established between LANXESS and Advent International for high-performance engineering polymers presented a range of modern and light weight solutions with high-performance plastics for the automotive, two-wheeler and e-mobility industry at PLASTINDIA 2023.
- The Board of Directors of Gujarat Alkalies and Chemicals Limited in their meeting held on 7th February, 2023 has granted in-principle approval for 'Vision 10K+ 2028' for achieving annual revenues of more than Rs. 10,000 crore by 2028.
- A Perspective Plan (PP) prepared by the Indian Chemical Council (ICC), the Premier Association for the diversified chemical industry here, sees the Indian chemical market – setting aside pharma products, medical devices and personal care consumer products – grow from its present size of between \$110-bn and \$115-bn to a range of \$600-bn to \$700-bn by 2040.
- Surat-based maker of speciality chemicals, Aether Industries, has announced that it has acquired new industrial premises, located at GIDC Industrial Estate, Sachin.
- To ensure that the domestic industry doesn't raise concerns relating to the implementation of the Quality Control Order (QCO) for 10 identified chemicals, including Morpholine, Acetic Acid, Ethanol and Acetone, on the scheduled dates in February and March, 2023, the Department of Chemicals and Petrochemicals has sought industry comments on the enforcement dates, according to a report in the Hindu Business Line.

The Cobbler & The Rich Man

MORAL STORY

Once there lived a cobbler who had his little shop at the end of the church street. He was a very happy man who passed his days working and singing from morning till night and served every customer with a broad smile on his face. His work was the finest in the town and was known for his efficient cobbling skills.

It was a fine morning and the cobbler was finishing some of his assigned shoes, a richest man of the town, who passed by the Cobbler daily felt sad at the sight of this poor man working so hard, wanted to help him and came to his shop. The cobbler welcomed him with a big and bright smile. He asked the Cobbler "Hello Man, I see you working hard daily and wondering how much do you earn in a year ? The Cobbler replied "Sir, I do my work passionately and honestly. Whatever I earn its enough to make both ends meet and I am satisfied with that. I believe in God and I do not envy others. I am content with my shop and my little house behind the shop. I aim to be happy with whatever I do. I respect my work because it earns me my bread. I respect my customers because they are no less than the almighty to me." Hearing his reply the rich man thought that he spent half of his life running after money only and recognized the perfect and wise life of the Cobbler

The next day rich man came again to his shop with a bag of Rs.10,000/- and said to the Cobbler "Look my friend! I have brought Rs.10,000/- for you. Keep this money and remove your distress.

The Cobbler was greatly surprised. At first refused to take the money but the rich man explained him to use this money in times of difficulties. The Cobbler took the money and thanked him.

After taking the money a new fear troubled the Cobbler. He said to himself, "Ten thousand rupees is a big amount and how to keep the money safe ? Finally he dug a hole in his Hut and kept the money there but he thought that his money could be stolen at any time. This thought kept him awake and he lost his sleep every night.

By this stress he lost his smile, happiness and forgot to sing and could not dedicate himself to his work result of which his life became miserable. Peace and happiness vanished from his life. He gradually realized that he had money but no peace of mind.

MORAL OF THE STORY

Money has neither made man permanently happy, nor provide inner peace because there is nothing in its nature to produce happiness. Hence, if we really want to be wealthy and happy, then we should earn Blessings which is our real wealth and will go along with us birth after birth.



What is the impact of maintaining proper business etiquette?

MANAGEMENT TIPS

Good business etiquette allows the business to put its best foot forward and helps to protect business owners and employees from internal and external conflicts by setting a high standard for behavior by all. Business etiquette is a set of standards for behavior in which individuals treat everyone respectfully and display good manners in all interactions.

Business etiquette is a set of manners that is accepted or required in a profession. Often upheld by custom, it is enforced by the members of an organization. It is important because it creates a professional, mutually respectful atmosphere and improves communication, which helps an office to serve as a productive place. People feel better about their jobs when they feel respected, and that translates into better customer relationships as well.

Business etiquette is an agreed-upon list of rules for communication that help to create a healthy work environment; one that fosters respect for colleagues, vendors, and customers. A thorough understanding of business etiquette, and how to institute organizational changes, can help to build trust among employees in the Organization, as well as promote their Professional Growth. It helps us to know how to treat others respectfully and appropriately in any context.

Professional behavior helps to build strong relationships among management, staff and clients because proper etiquette entails honest and fair dealings with everyone. People appreciate honesty in their business dealings. If a manager is honest with a client about a mistake he made instead of trying to cover it up, the client is likely to feel respected and will trust the manager and the business in the future

Proper etiquette in business is about more than merely acting “proper.” It involves honing the emotional intelligence to be more aware and respectful of the people around you. Maintaining proper business communication etiquette does the following:

- Fosters Employee loyalty and overall positive brand perfection.
- Improves Company culture and team morale
- Encourages Internal engagement
- Prevents frustration, confusion and mishaps due to misunderstandings
- Promotes productivity and harmonious collaboration
- Helps you to build and maintain positive business relationships and make helpful connections.

Educating your team about proper business etiquette can improve employee retention by up to 50%. Taking business etiquette seriously will help to prevent misunderstandings because proper etiquette requires everyone to interact professionally with one another and to communicate clearly and honestly. A confident approach helps the company's marketability. Customers feel more secure dealing with a manager or other staff member who displays exceptional business manners. Confidence also boosts the morale of workers who feel they can accomplish more and react positively to change.





PUZZLE YOUR MIND

Q1- Please give your answer :

$$\begin{aligned} 3 + 9 &= 78 \\ 4 + 8 &= 88 \\ 6 + 7 &= 110 \\ 7 + 8 &= ??? \end{aligned}$$

Q2- He's not a strange creature, part man and part tree, hates the termite as much as the flea. His tracks do not match, and his limbs may detach.....
Who is he ?

Q3- I can generate fear and some say I come out of your ears. I'm quiet as a mouse but not welcomed in the house.
What am I ?

Q4-

$$\begin{aligned} 27 \times 75 &= 16 \\ 33 \times 62 &= 18 \\ 34 \times 44 &= 19 \\ 49 \times 76 &= ?? \end{aligned}$$

Q5- One tooth to fight, As all Norse know, One tooth to bite, He's the forest's foe. What is He ?



Winner of Puzzle Competition - January 2023 Edition

!! Mr. Mayur Sant - Congratulations !!

Answer to
the Puzzles of
January 2023

Puzzle No.1) Ans : 44
Puzzle No.2) Ans : River
Puzzle No.3) Ans : -
Puzzle No.4) Ans : Apple
Puzzle No.5) Ans : -

(Puzzle No.3)

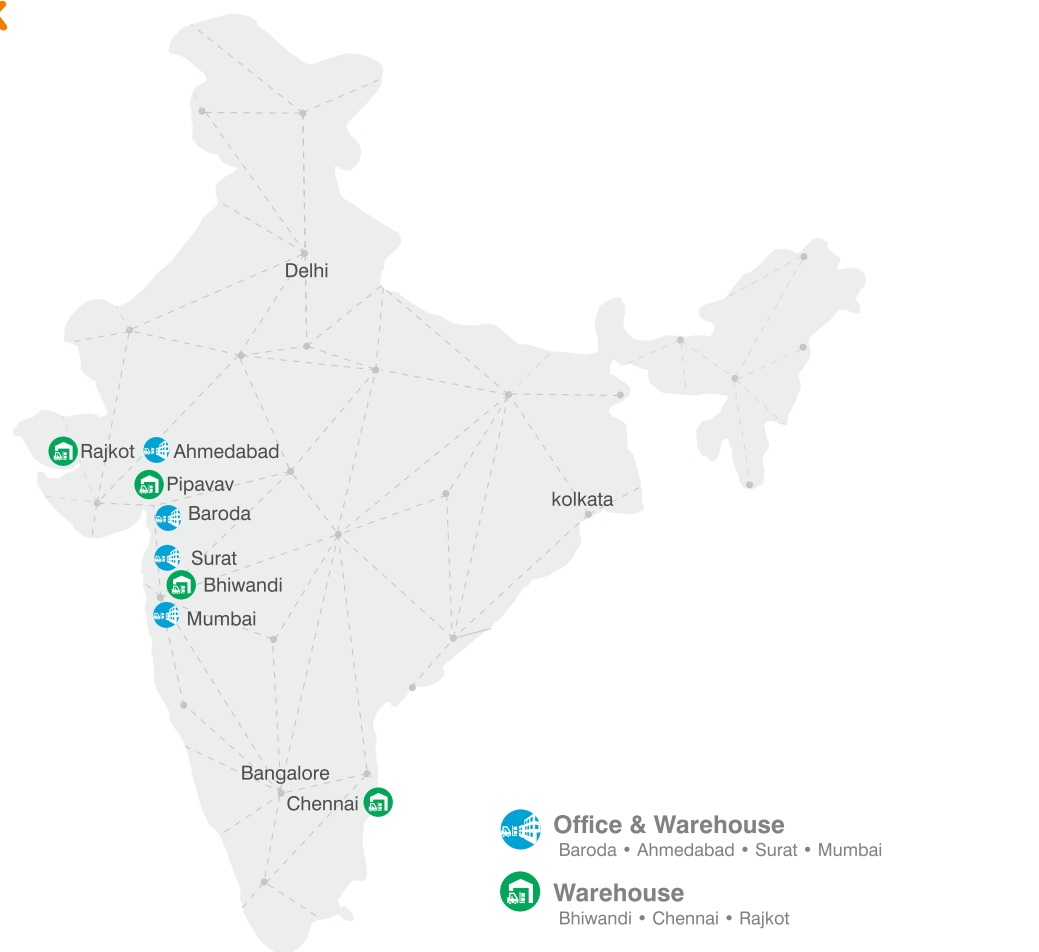
8
8
8
8 8
8 8 8
1000

(Puzzle No.5)

2+2 = 4 (4x2 =8) = 48
3+3 = 6 (add 4 from above) = 64
4+4 = 8 (add 6 from above) = 86
6+6 =12 (add 8 from above) = 128

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No matter how people act, keeping our feelings pure for them helps to keep our minds at ease. If we treat everyone like our family, life will always be simple and enjoyable.

Our Network



Authorized Distributor of

Accreditation



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