

ILLUMINATION

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PRAKASH
Chemicals Agencies



Delivering trust
to the world of chemistry



ISO 9001 : 2015 QMS Certified

Tribute to our beloved Visionary Founder
Late Shri Kumarbhai Shah
on his 18th Death Anniversary

A tribute to Kumarbhai

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"

On his 18th death anniversary the family of
Prakash Chemicals International Private Limited
Prakash Chemicals Agencies Private Limited
Prakash Teleservices Private Limited
pay their homage to this great visionary leader.



Hydrogen has been an upcoming sector across the globe with huge industrial applications. Increasing number of companies across the globe are now exploring the green Hydrogen. Green hydrogen has been labelled as one of the cleanest forms of energy in the world. It is being looked at as the ultimate solution to achieve net zero emissions. Through the process of electrolysis, all that is needed to produce Hydrogen is water, a big electrolyser and electricity. The electric current then splits the water into its two components - Hydrogen and Oxygen. This means no release of greenhouse emissions since oxygen is the only by product of this process. Additionally, if the electricity used comes from renewable sources, it makes the process completely emission free.

In line with India's ambitious green commitments, Prime Minister Narendra Modi aims to transform India into an energy independent nation by 2047 where Green Hydrogen will play an active role as an alternate fuel to petroleum/ fossil-based products.

To keep pace with global companies, National Hydrogen Mission was announced in Budget Speech of FY 2021-22 to produce the Hydrogen from Green Energy sources. The scheme was announced putting Green Hydrogen at the heart of India's energy security and climate change.

According to a report by TERI, in 2020, India's hydrogen demand stood at 6 million Tons (MT) per year. However, studies have shown a tremendous opportunity for growth in this area. It is estimated that by 2030, the Hydrogen costs will be down by 50 per cent. The demand for hydrogen is expected to see a 5-fold jump to 28 MT by 2050 where 80 per cent of the demand is expected to be green in nature. Many Indian companies have already started announcing their plans to dip their toes in the green energy sub-sector.

Recently, India's largest oil and gas sector company, Reliance Industries Ltd (RIL) has announced its plans to go Green. The company has recently announced its plans to become a net zero carbon firm by 2035. RIL has plans to invest in INR 600 billion to build a 5000-acre green energy complex in Jamnagar, Gujarat. The complex will house an electrolyser plant to produce Green Hydrogen.

GAIL (India), a Public Sector Undertaking (PSU) has floated a recent tender to procure an electrolyser. They are looking at locations to finalise a 10 MW plant, one of the biggest plants announced so far. GAIL has taken a step forward and has already started mixing Hydrogen in natural gas on a trial basis in one of the cities. Similarly, NTPC has also shown interest to produce green Hydrogen on a commercial scale.

Larsen and Turbo (L&T) is another Indian entity looking to venture into the green hydrogen sector. According to their latest report, they have set an aim to achieve net zero emissions by 2040 and plan to spend INR 10-15 Bn on its green initiatives.

Both Hindustan Petroleum Corporation Limited (HPCL) and Bharat Petroleum Corporation Limited (BPCL) are planning to use hydrogen for its refineries. Furthermore, Solar Energy Corporation Limited (SECI), is looking to invite bids to build green hydrogen plants using renewable energy sources. .

Establishing India as a global hub for Green Hydrogen Generation, Ohmium International through its subsidiary in India has shipped its first ever unit of electrolyser to the United States. The electrolyser was manufactured in Ohmium's Bengaluru facility which is India's first green hydrogen electrolyser Gigafactory.

India's journey into the Green Hydrogen space has been path breaking. As of now, the industry faces high cost of production but owing to increased demand, technology upgradation and strong government support, the industry will soon establish economies of scale, driving down the cost. In line with India's Make in India initiative and its net zero emission targets, the sector provides tremendous scope for growth and investments.



Mr. Rajeshkumar
Sr. Manager (Mktg)
Editor for the Month

February 2022 - Birthday Wishes to Mr. Nilesh Patel & Mr. Viral Bhatt & Mr. Jayesh Shah (Branch Offices)



Welcome back to Ms. Neelam Sinha on resuming duty after Maternity Leave



CSR Activities - jANUARY 2022

Celebration of "Children Welcome Day" at Anganwadi Centres on 17.02.2023



Fruits and Ladoos distribution for registered benefiariaries (malnourished children & Pregnant mother's at our adopted 14 Anganwadi Centers.



Deworming Day Celebration at adopted Anganwadi Centers



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Market updates

- ❖ Dharamsi Morarji Chemical Company Limited (DMCC) is planning to invest about Rs. 90 crore for ramping up its volumes and expansion capacities at Dahej facility in Gujarat.
- ❖ The Directorate General of Trade Remedies (DGTR) has once again announced an extension in the time required to complete anti-dumping investigations on low density polyethylene (LDPE) imports into the country, by another two months from the current deadline from January 31, 2022.
- ❖ Indian Scientists have developed a method to produce hydrogen with high purity (99.99%) from methanol-water mixture at ambient pressure and temperature that uses only one-third of the electrical energy required in water electrolysis.
- ❖ Godrej Industries Ltd. (Chemicals) has set a new benchmark by becoming the first chemical manufacturing company in the country to achieve a "GreenCo Platinum Rating.
- ❖ The Government has initiated work on the new legislation on Special Economic Zones (SEZs) proposed in the Union Budget by appointing an independent legal think-tank to do the initial research.
- ❖ Rama Phosphates Ltd has acquired land measuring 51.98 acre from Maharashtra Industrial Development Corporation (MIDC), Nardana Industrial Area, Dhule District which is bordered by Madhya Pradesh and Gujarat state and the capital investment for the entire project would be in phase manner.
- ❖ Chemicals have come out of the crisis stronger than the world market, recovering from a 3-year-old TRS (Total Revenue Swap) deterioration and in the last 4 years, industry was staring at a rocky road ahead but since the last 2 years, the fundamental driver perspectives have been very positive, says Obi Ezekoye, Partner & Leader-McKinsey's Specialty Chemicals Service Line
- ❖ Mitsubishi Chemical Corporation and its subsidiary Mitsubishi Chemical Methacrylates have developed a manufacturing technology for MMA (methyl methacrylate) monomers that uses plant-derived materials and have begun designing a pilot plant.
- ❖ Both companies will use new manufacturing technology that applies plant derived raw materials to the existing MMA monomer manufacturing process
- ❖ Expanding options for chemical logistics As the chemical industry grows and the global sized plants are built, they will need world-class logistic service providers, backed by significantly improved infrastructure. Otherwise, efficiencies gained in competent and competitive manufacturing will be lost in the supply chain!.
- ❖ Cosmo Speciality Chemicals, a 100% subsidiary of Cosmo Films Ltd., has launched a range of Organic complexing Agents - Sequest SA and Sequest DM.
- ❖ Clariant IGL Speciality Chemicals to begin supply of 100% bio-based Surfactants and Polyethylene Glycols (PEGs).

- ❖ Indian Speciality Chemicals Sector to sustain strong growth in 202 - A candle Partners analysis of around 70 listed Chemical Companies representing approximately \$20 bn of sales, showed that the Sector had a 10year CAGR of 8% + demonstrating excellent resilience and ability to grow consistently.
- ❖ Assam has attracted 16 Ethanol Projects worth Rs.3290 crore under its Ethanol Production Promotion Policy, 2021.
- ❖ Mumbai based investment banking and consulting services firm, candle Partners, has predicted good times ahead for the Indian Speciality Industry in its latest update, "Indian Speciality Chemical Industry Prognosis 2022.
- ❖ MIDC to relocate 156 manufacturing Units from Dombivli to Patalganga Units to relocate 156 manufacturing Units from Dombivili to Patalganga.
- ❖ Following the appeal by Prime Minister Shri Narendra Modi to farmers for adopting "Natural Farming" and cabinet decision to include the topic in syllabus of Agricultural Universities, The Centre has proposed to increase the registration fee for Chemical Pesticides manifold - from Rs.5,000/- to to Rs.4,50,000/- which even the Agro Chemical Industry has supported.
- ❖ A new report from the Freedonia Group, a market research firm, on the global adhesives and Sealants (A & S) industry, estimates that India will see the most rapid advances of ny major national market globally.
- ❖ The sustainability of the Petrochemical Industry - more specifically, the plastic industry due its dependence on fossil carbon is presently a matter of great concern for governments, NGOs, regulators and industry. One way of breaking the bonds with fossil derived carbon, is to use alternate bio-based raw materials and several approaches are being undertaken.
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- ❖ Covestro recently inaugurated its new production lines for polycarbonate compounding at their Greater Noida Plant.
- ❖ India and Denmark have agreed to initiate joint research and development on green fuels, including green hydrogen, as part of the already adopted "Green Strategic Partnership - Action Plan 2020-2025.
- ❖ Recovery expectations remain subject to further restrictions due to the risk of a resurgence of Covid 19 cases in India with the emergence of new varients, even as the country makes progress in its vaccination plan

CLEVER KING

Long time ago there was a country where the people would change their King every year. The person who would become the King had to agree to a contract that he would be sent to an Island after his one year of being a King.

One King finished his term and it was time for him to go to the Island and live there. The people dressed him up in expensive clothes and put him on an elephant and took him around the cities to say goodbye to all the people. This was the moment of sadness for all the Kings who ruled for one year. After saying farewell, the people took the King with a boat to remote Island and left him there.

On their way back, they discovered a ship that had sunk just recently. They saw a young man Jesso, who survived by holding on to a floating piece of wood. As they needed a new King, they picked up the young man and took him to their country. They requested Jesso to be a King for a year. First he refused but later he agreed to be a King. People told him about all the Rules and Regulations and that how he will be sent to an Island after one year.

After three days of being a King, he requested the Ministers to show him the Island where all the other Kings were sent. They agreed and took him to the Island. The Island was covered with thick Jungles and sounds of vicious animals were heard coming out of them. The king went little bit inside to check. Soon he discovered the dead bodies of all the past Kings. He understood that as soon as they were left in the Island, the animals were killed them.

The King went back to the country and collected 100 strong workers. He took them to the Island and instructed them to clean the Jungle, remove all the deadly animals and cut down all excess trees. He used to visit the Island monthly to see the progress of work. In the 1st month, all the animals were removed and many trees were cut down and in second month, the whole island was cleaned out. The King then told the workers to plant gardens in various parts of the Island. He also took with himself useful animals like chickens, ducks, birds, goats, cows etc. In the third month, he ordered the workers to build big houses and docking stations for ships. Over the months, the Island turned into a beautiful place.

The young King would wear simple clothes and spend very little from his earnings as a king. He sent all the earnings to the island for storage. When Nine months passed, the King called the Ministers and told them: "I know that I have to go the Island after one year, but I would like to go there right now." But the Ministers didn't agree to this and said that he has to wait for another 3 months to complete the year.

3 months passed and Jesso completed full year. The people dressed up the young King and put him on an elephant to take him around the country to say goodbye to others. However, this King is unusually happy to leave the kingdom.

People asked him, "All the other Kings would cry at this moment and why are you laughing?" He replied, "Don't you know what the wise people say? They say that when you came to this world as a baby, you were crying and everyone was smiling. Live such a life that when you die, you will be smiling and everyone around you will be crying. I have lived that life. While all the other Kings were lost into the luxuries of the Kingdom, I always thought about the future and planned for it. I turned the deadly Island into a beautiful Abode for me where I can stay peacefully."

Moral : This story teaches us how we should live our life. The life of this world is to prepare for the life hereafter. In this life, we shouldn't get lost into the deceiving and attractive things of this world and forget about what is to come in the afterlife. So live a simple life like our beloved Prophet (King Jesso) and save all our enjoyments for the lifespan.

How to develop Culture of Trust ?

A culture of trust yields higher engagement, happier employees, greater productivity, and higher profits.

Trust is delicate. It can be broken in an instant. Although repairing trust is highly time and energy-intensive. The restoration process requires patience, time, energy and effort. Therefore, it is of supreme importance to care about and cultivate trust.



Trust is the key to all human relationships. Openness, transparency, active and deep listening, good communication, competence, credibility, fairness, support, and mutual respect build the foundations for trust. Some of the main strategies for building Culture of Trust are :

Communicate regularly, listen actively and demonstrative positive body language : Building a reputation for listening and caring about what others are saying builds trust. Ask questions and encourage employees to elaborate on their ideas. Be genuine and authenticate when communicating. Positive body language paired with skills such as empathy, patience and problem solving encourages employees to build trust.

Solicit and act on feedback : Solicit employee feedback on a regular basis using a variety of strategies such as employee check-ins, staff meetings, and surveys.

Empower your team and show appreciation: Be supportive and show employees that you trust them. Their performance will be measured and encourage employees to reach out to you when they need guidance.

Enhance knowledge and skills through coaching: Coaching is an effective skill development technique which promotes independent thinking, fosters positive communication, encourages open and constructive feedback, and inspires employees to succeed

Be consistent, honest, and transparent : Being consistent in action and behaviour builds trust. Consistency typically makes individuals feel more confident and comfortable about bringing forward ideas/concerns.

Cultural Trust is essential for boosting employee Engagement and Motivation. When trust is present in the work environment, employees feel psychologically safer, are proud of where they work and are more willing to go above and beyond to achieve Organizational Goals

Q.1) Give Answer : $48 + 48 = 564$
 $74 + 74 = 473$
 $58 + 58 = 663$
 $68 + 68 = ???$

Q.2) Which five letter word in english language can be rearranged from given below groups

AHLIN
WRDCO
FIONC
ARWON
DINCO

Q.3) Complete the word with missing letters - O_er_t_o_

Q.4) **I am a word of 8 letters**

If you remove my last 4 words, I'll be a question.

If you remove my first and last 4 words, I will be needed for protecting your head

My 7th and 8th words are same.

5 6 7 word is a liquid in tree ...

.....Guess who am I ?

Q.5) I gurgle but never speak. I am running but never can walk. I never sleep though I have a BedWho am I ?

Puzzle Competition Winner of January 2022 Edition

!! Mr. Harmesh Kshatri - Congratulations !!

Answer to the Puzzles of January 2022

Puzzle No.1) Ans : **495698**

Puzzle No.2) Ans : **SILENCE**

Puzzle No.3) Ans : **WHEEL**

Puzzle No.4) Ans : **SATURATE, WATERLOG**

Puzzle No. 5) Ans : **BREATHING**



- Representing -



- Accredited -



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