

# VALADHWAN



वसुधेव कुदुम्बकम् ONE EARTH . ONE FAMILY . ONE FUTURE

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Energising Kochi Refinery



**EDITORIAL** 

## FOR GREENER PATHS

#### STEADFAST ON NETZERO MISSIONS

At the Annual Business Meet of Kochi Refinery, the steadfast resolve to continue aggressively towards the Net Zero mission of BPCL was underlined in bolder ink. The Refinery leadership led by Director (Refineries), Mr. Sanjay Khanna, delved on the plans ahead for the year and felt their energies and thoughts resonate with the participants of the two-day meet. The Meet not only recaptured the highlights of the previous year, but also celebrated the all-round excellence that included the highest GRM and NRM put forth by Team KR.

The rounds of enthusiastic applause for exemplary performance exhibited by different teams was a reminder of the promise to deliver more in the coming year. Read more about this meet, which is slowly gaining ground as the most sought after event of the year, on page 7.

The Oil and Gas Conservation Fortnight, SAKSHAM, that was earlier observed in the month of January is now shifted to April. We have therefore dedicated this issue of *JwalaDhwani* to the greener perspectives of the business and the awards received on our perseverance in those directions.

All this and more in your chronicler this month. Have a happy read!

Warmly, **Editor** 

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## MESSAGE FROM CHAIRMAN & MANAGING DIRECTOR

Dear Colleagues,

As I assume charge as our company's Chairman & Managing Director, I am conscious of BPCL's history and its illustrious legacy. In my 36 years at BPCL, I have seen the company grow from strength to strength to its prominent position today. This wouldn't have been possible without the contributions of our people and leaders over the years, and I thank them for leading and guiding our company to these heights.

We've always been pioneers in the marketplace and in Nation Building. Our contribution to the nation is something I am immensely proud of - whether it is fuelling the first aircraft that flew into India or being the first to create 'trust' for our customers through the 'Pure for Sure' promise at our Retail Outlets, or being the first large Indian company, 20+ years back to adopt an ERP solution. Where needed, we've worked with partners to enter new areas by forming JVs like IGL, PLNG etc. and vertical integration thru our upstream foray. On the Refinery front, the major projects like state-of-the-art CDU4 at MR, IREP expansion & PDPP at KR and expansion from 6 to 7.8 MMTPA at BR hold us in good stead. We've also taken measured steps to strengthen our operations and infrastructure, our big push on the gas business or the massive roll-out of Project Anubhav to create the next level of customer engagement.

While these moves have helped us enjoy enviable success and prolific growth, we should not rest on our laurels. The onus is now on all of us to collectively ensure that we build on this robust foundation to take the organisation to the next level. One of the ingredients of a successful company is the ability to anticipate future trends and act. My priority will be to ensure that we stay true to our DNA and accelerate the momentum of the past while sowing new ideas which will serve as future launchpads, thus ensuring growth for the future generations of BPCians.

Our organisational values have underpinned a lot of our success. What will stay constant will be our deeply instilled values of Collaboration, Innovation, Trust, Ethics, Customer Centricity, and above all Development of People that were guiding us in all our thoughts and actions. These are values that form the very foundations of our company and have been instilled into our culture by our predecessors. We should continue to re-iterate their relevance to today's context.

Our People have given us the competitive edge to be successful. Being people-centric is what makes our company what it is. I want to see a smile on your face with each of us taking pride in being a BPCian. When you are happy, the organisation grows. We've seen incredible achievements when a skilled and motivated team works together. As we set out on a growth path, I want to put you at the centre. I would like each of us to aspire and work towards impossible goals. I am confident that our culture, which helps us experiment, share our learnings, and celebrate our successes, will help us maximise our potential. In doing so, let's not stop at just ourselves; we must take this forward and empower our network as they are our connect with customers.

Today the external environment is presenting us with several challenges. But within each challenge is a hidden opportunity. While we have been energising the lives of the people and society thru our various initiatives, now is the time to step on the pedal and move towards Transforming Lives. In doing so, we will remain steadfast in our commitment towards climate change in the form of our Net Zero commitment by 2040 while continuing to focus on our six strategic pillars, viz, Gas, Upstream, Petrochemicals, New Age Mobility, Renewables, and New Business. These will continue to remain growth pathways as we transform into an Integrated Energy Company. At the same time, we must continue to excel in our core business of Refining and Marketing, for which rigorous evaluation, making choices, cost efficiency, and agile & relentless execution will be critical to achieving this transformation. While we forge ahead in this transformation, our commitment to Safety should be unwavering and paramount at all our Refineries, Plants, Installations and in all spheres of our activities with no compromise.

We must believe in the impossible and avoid apprehensions about our future. This starts with clarity on what we want to do and how we want to achieve it. I am confident that if we focus on (a) Remaining Pioneers in everything we do (b) Remaining Steadfast in our values (c) Continuing to invest in our people, we will continue to set benchmarks for competition to follow, as we have demonstrated in the past.

In the days ahead, I will interact with you through various platforms to gain insights into your thoughts on many topics. I am eagerly looking forward to these interactions, and I'm sure that they will help shape our future growth story - one which depends not on any one of us, not on some of us, but on all of us collectively.

I wish you and your families the very best and look forward to our days together.

**G Krishnakumar** 





Petroleum Conservation Research Association In collaboration with











## SAKSHAM 2023

## **Energy Conservation Towards 'Net Zero'**













The Ministry of Petroleum and Natural Gas launched a month-long fuel conservation campaign of the PCRA, 'SAKSHAM' aimed at reducing fuel consumption in India. The campaign aims at highlighting the adverse health and environmental impacts of increasing carbon footprints and convince consumers to switch to cleaner fuels.

With a view to create awareness among the consumers of fossil fuels, Petroleum Conservation Research Association (PCRA), Ministry of Petroleum and Natural Gas has launched a month long campaign, highlighting the adverse health and environmental impacts of increasing carbon footprints. 'SAKSHAM's idea is to convince consumers to switch to cleaner fuels and bring in behavioural change to use fossil fuel intelligently.

The campaign through various pan-India activities such as Cyclothon, Farmer Workshops, Technical Seminars, Painting Competition, etc. will spread awareness among masses about the advantages of using clean fuels. The campaign will also spread awareness about 7 keydrivers that collectively would help India move towards cleaner energy.

The key drivers include moving towards a gas-based economy, cleaner use of fossil fuels, greater reliance on domestic sources to drive bio-fuels, achieving renewable targets with the set deadlines, increased use of electric vehicles to decarbonize mobility, increased use of cleaner fuels like Hydrogen, and digital innovation across all energy systems.

Several enabler programmes and contests are being organised for employees at Kochi Refinery by the Energy team. Earlier, the SAKSHAM message was delivered by Mr. Ajith Kumar K, Executive Director I/c (KR) and the SAKSHAM pledge was administered by Mr. Abhai Raj Singh Bhandari, Executive Director (KR) on 24 April 2023.













BPCL's unwavering commitment to energy conservation and achieving a Net Zero future was recognized today by Petroleum Conservation Research Association (PCRA) during the inauguration function of SAKSHAM 2023, a fortnight long campaign, which aims at highlighting the adverse health and environmental impacts of increasing carbon footprints and convince consumers to switch to cleaner fuels.

On behalf of the organisation, Shri Sanjay Khanna, Director (Refineries) received the citation from Shri Rameswar Teli, Hon'ble Union Minister of State, Petroleum & Natural Gas and Labour & Employment, in presence of Shri Pankaj Jain, Secretary, MOP&NG and other officials from MOP&NG.

Later Shri Santosh Nivendkar, State Level Coordinator, Maharashtra, was also felicitated for conducting the maximum number of activities during the SAKSHAM campaign last year.

During the event, Shri Rameswar Teli, Hon'ble Union Minister of State, Petroleum & Natural Gas and Labour & Employment, also reviewed our Bharat Hi-Star Stove, which higher thermal efficiency of 74 percent, than the normal LPG stove available in the market.

These recognitions fuel our drive to continue our hard work towards these important goals, and we thank everyone who's supported us along the way!



The refinery's exceptional performance and commitment to safety, effective leadership, and other parameters have been widely recognized by the International Research Institute of Manufacturing (IRIM).

NAMC is a highly respected platform for evaluating the top manufacturing units in India and recognizing excellence in non-conventional approaches and tailormade strategies of organizations. The award process rates manufacturing organizations based on their ability to evolve the right competitive strategy and their capability to implement it.

The award, which was received by Mr. Ajith Kumar K, ED(KR), is a testament to our commitment to excellence, and it inspires us to continue to strive towards achieving greater heights in the manufacturing industry.



Reliability, profitability and Cost reduction will play key role in achieving all Business targets envisaged for 2023-24. The senior leadership of Kochi Refinery led by Director (Refineries) BPCL, laid out the way forward for 2023-24 at the Kochi Refinery Business Meet that concluded on 29 April 2023.

In the keynote address, Director ( Refineries) congratulated team KR on breaking many records and urged the team to keep the momentum for a bigger performance in the new financial year. Mr. Ajith Kumar K, Executive Director I/c, Kochi Refinery delivered the way-forward on both days stressing on our Net Zero commitment and priority to Safety. Mr. Abhai Raj Singh Bhandari, Executive Director (Kochi Refinery) also addressed the team on both days sharing his insights from Bina Refinery model as a company and a Refinery on a rapid path of growth.

The Business Plan 2023-24 was presented by Mr. Sankar M CGM (Operations), who listed out the areas of focus in the coming a year and the need to be ready to think and work on our toes as change was the only constant in all parameters. The presentation was followed by an open Q&A with the Refinery Council led by ED I/c (KR) on Day 1 and Director (Refineries) on day-2. From Net Zero, to Reliability, to new Projects and Production Planning and the new trends in work-life-balance post transfers, the questions were addressed in detail by the Refinery Council that and included Mr. Abhai Raj Singh, ED(KR), CGMs Sankar M(Ops), Suresh John (RPO), Senthil Kumar G (Technology), Sarah Thomas, (HR), Rajashekar K (Inspection), George Thomas, GM(HR) and Laxmi N, GM(I/c (Finance).

On both days, the context of the new-format Business Meet was set by Ms. Sarah Thomas, Chief General Manager (HR). DARPAN 2023, the short film captured Kochi Refinery highlights of 2022-23. Mr Senthil Kumar GR and Mr. Rajasekhar K, proposed the vote of thanks on the respective days. The event was organised by the HR Dept in close coordination with the Operations Dept. Roughly 300 officers attended on each day.

On both days, the meeting ended with the grand KR Annual Awards ceremony. On day-one, 9 awards were distributed and 10 awards were presented on day-two. Individual award comprising of the cash prize of Rs. 5000 and a citation; and team award of Rs. 25000 and citation, recommended by a committee appointed by ED (KR) were distributed by members of the Refinery Council.

The Business Meet and Annual Awards 2023, which is a convergence platform for all officers of Kochi Refinery was organised at the BPCL Marine Drive Complex auditorium during 28 & 29 April 2023, with house-full attendance on both days. On both days the senior management and a cross-section of BPCL officers devoted their time to taking a closer look at the business plan for 2023-24, challenges, and expectations.

**JWALADHWANI** 

### PRICELESS MEMORIES AT THE ANNUAL AWARDS 2023

#### **EXCELLENCE AWARDS: TEAM**

INNOVATION: INNOVATIVE BLENDING OF CRUDE PARCELS TO PROCESS URALS & BASRAH CRUDE AND TIMELY IDENTIFICATION OF ORGANIC CHLORIDE IN CRUDE PARCEL: Chachappan C Manamail, Haneesh P S, Anand R, Pooja Baliga, Chagalamarri Sudheer Kumar, Hareesh V M and Anish Chakraborty.

**NET ZERO INITIATIVE:** INSTALLATION OF SRU-3 PLATE TYPE HEAT EXCHANGERS AND COOLING TOWER PUMP DRIVE CHANGE TO MOTOR FROM TURBINE: Sengottaiyan P, Divin K, Bolisetty Chandra Sekhar, Venkata Sudhakar, Abhilash K A and Balasubramanian S.

**DIGITAL INITIATIVES:** FOR PROPYLENE PURITY PREDICTION - OPTIMIZATION IN REALTIME USING MACHINE LEARNING IN PFCCU & FOOD GRADE HEXANE INFERENCE DEPLOYMENT IN MSBP.: Saurabh Gupta, Akash Shukla, Soosai Raj V, Baghel Shrikant Rajkumar, Jitendra Kumar Verma, Alok Tripathi and Suraj S.

**PEI IMPROVEMENT:** OPTIMISATION OF PERSONAL EFFICIENCY INDEX (PEI) IN KR: John Bosco J, Kamble R J, Sajeev D, Rajesh K, Shiny Sarah Varghese, Baby V P and Santosh P Tajne.

**OUTSIDE BOUNDARY MANAGEMENT:** FOR IMPROVEMENT OF BPCL BRAND IMAGE IN SOCIAL MEDIA AND TO LOCAL COMMUNITY: Vineeth M Varghese, Vinu T Mathew, Kavitha Mathew, Kishor Kumar E K, Anand G and Vinod T Mathew.

**ENERGY IMPROVEMENT**: PFCCU WGC HP STEAM EXTRACTION MAXIMISATION SCHEME: Anoop D Bhat, Dileep Kumar V N, Raviteja Thota, Anilkumar Loya, Vaisakh A Menon, Adharsh R and Pratik Sambrani.

AUGMENTATION OF SYSTEM EFFICIENCY: FOR IMPROVEMENT IN RELIABILITY OF ACRYLIC ACID UNIT THROUGH MODIFIED LOGIC IN PLC BY INTRODUCING OFF GAS AT 50% LOAD, PREVENTION OF PLUGGING OF INHIBITOR SPRAY NOZZLES OF COLUMN BY INSTALLING SPECIALLY INHOUSE DEVELOPED CONICAL FILTER IN ALL THE 4 COLUMN'S INHIBITOR LINE IN PDA UNIT and AGITATOR MODIFICATION WITH INDIGENOUS SPARE IN PDE UNIT: Prasanth Karthic, Prabhul P, Vignesh Siva, Ankit Biyani, Anuroop V, Eric Thannikuzhippil and Yadukrishnan G.

#### **PROACTIVE MANAGEMENT DURING IREP TA:**

- VGO-HDT REAC EXCHNAGER LEAK IDENTIFICATION AND RECTIFICATION: Aravind R, Ramaprasad Baral and Jenin Jacob
- SRU-3 THERMAL OXIDISER REFRACTORY REPAIR WORK : Vijayaraghavan PJ, Gopinathan M and Sankpal Avinash.
- NITROGEN MANAGEMENT DURING IREP TA: Ritesh Karmakar, Vinodkumar P U and Suresh K P.

**EII IMPROVEMENT:** DHDT CHARGE HEATER REVAMP FOR EFFICIENCY IMPROVEMENT: Dekate M, Ashish Sharma, Sammeta Sai Saran, Ajith D, Saifuddin A H and Ajay Murali.

**JAL HI JEEVAN HAI** - EXCELLENCE IN WATER MANAGEMENT: ETP HANDLING DURING IREP TA: Rajendra Prasad K G, Biju M P, Jawale N S, Gourav Priyadarshini, Vaishakhan V S and Gopalakrishnan Unnithan T.

**SWACHH BHARAT ABHIYAN AWARD:** BEST HOUSE KEEPING AREA -PDO UNIT: Ramalingam V, Bose Arkajyoti, Rajesh E R Monish B S, Zakir Ahmed and Megha Mohan J.

**HSSE PERFORMANCE:** P&U UTILITIES TEAM: V K Gokuldas, Rone Daniel, Kommoju Siva, Sidi Mohsin, U V Anil Kumar and Smit Pal

#### **INDIVIDUAL AWARDS**

- IMPROVEMENT IN ELECTRICAL SYSTEM: Amon T C R
- STAKEHOLDER CHAMPION :Alamgeer Khan & Mohammed Fasil M
- NOTABLE INDIVIDUAL CONTRIBUTIONS: Prasad B S, Rajasekhara Babu M, Ramesan P R, Thulasidas N and Aravind P S.
- **DIGITAL CHAMPIONS :** Pradeep Ranjan and Pranav Banabakode
- MANAGEMENT ACCOUNTING CHAMPION: Balagirish J





## **NATIONAL FIRE SERVICES DAY IN KOCHI REFINERY**

Chief General Manager (Operations) I/c, Mr. Sankar M, flagged off the procession of Fire Trucks at the National Fire Services Week observance at Kochi Refinery on 14 April 2023. Earlier he paid respectful homage to the brave fire fighters of the Nation in a befitting ceremony. Addressing the gathering, Mr. Sankar highlighted the contribution of firefighters in ensuring safety of the community. He also appreciated the efforts of the Kochi Refinery fire crew in maintaining the highest standards of safety and professionalism.

The chief quest awarded certificates and cash awards for exemplary service and commitment to duty. Mr. MK Ramachandran, GM(HSE)i/c briefed the importance of fire service day and spoke about the various initiatives taken by the Kochi Refinery to enhance safety. Mr. MR Yatheendran, GM(Electrical/Contract Safety) and the KR Fire crew were also present. Mr Bimal Raj V L, Chief Manager (F&S), read out the 'FIREMANS PRAYER'. Mr. Girish Kumar, Sr (LFM) expressed gratitude. National Fire Service Day is observed on 14 April in memory of the brave fire fighters who laid done their lives fighting the fire at Mumbai Victoria Dock on this day. Several contests including online quiz and awareness programmes were organised for employees.





The commissioning experiences report of the Motor Spirit Blending Project (MSBP) in Kochi refinery was released by Director (Refineries) Mr. Sanjay Khanna in the presence of Mr. Ajith Kumar K ED I/C (KR), Mr. Chacko M Jose, then ED (OPS),RC members and commissioning taskforce representatives from Kochi Refinery. The MSBP project is a crucial initiative for Kochi Refinery, which helps us increase production capacity and meet the BS-VI guidelines which came into the fore with effect from 1st April 2020.

The successful completion of this project is a result of years of hard work, dedication, and perseverance by the team who worked tirelessly to ensure its success. The project was executed with utmost precision and adhered to the highest safety standards, despite the challenges posed by the pandemic. This is evident in the fact that the project was commissioned with nil LTA.

Mr. Ajitkumar K, Mr. Chacko M Jose , Mr. Sankar M, CGM (Ops), and Mr. Shaji Kumar MR, GM (Mfg) were the driving force behind the team for ensuring the successful completion of the project.

The commissioning report of the Motor Spirit Blending Project (MSBP) in Kochi refinery is not just a record of the successful completion of the project, but also an aspirational document that aims to share the experiences of the team and help others in the commissioning process. The report documents the challenges faced by the team during the execution of the project such as COVID pandemic, etc and how they overcame them. It also details the various stages of the commissioning process and the best practices followed by the team to ensure the smooth functioning of the project. The document is a comprehensive guide that can be used by other teams and organizations to learn from the experiences of the team and implement them in their own commissioning projects.

The MSBP project was commissioned successfully with NHT becoming the first unit to come online on 24th March, 2021, closely followed by CCR on 4th April, 2021. Both the units had been commissioned two months ahead of schedule, setting precedent of a feat presumed to be unachievable until then. Commissioning of PENEX on 18th June, 2021, served as the epilogue for the glorious project that MSBP was. The document is a valuable resource for anyone involved in the commissioning process, whether they are a novice or an experienced professional.

#### **MSBP MILESTONES**

- This project has achieved many milestones within one year of commissioning and operations, a few of them are listed below.
- Commissioned the project ahead of schedule despite challenges like COVID-19.
- Successfully and safely completed the catalyst loading activities of PENEX unit during the monsoon without any moisture ingress to reactor.
- Commissioned the project with NIL LTA.
- Operated CCR2 Netgas Compressor in DOL mode while VFD was unavailable leading to savings of more than 30 Lakhs per day.
- Production of FGH with minimal capital investment, resulting in an yearly saving of around 32 Crores.
- Conducted PGTR within 6 months of commissioning, meeting all the guaranteed parameters. Max run test also conducted during PGTR successfully.
- Devised two mode operation for NHT splitter and PENEX unit for production of FGH and isomerate.
- MS Block Project achieved the 12th CIDC Vishwakarma Awards 2021 for /Best Practices in Construction Health, Safety & Environment
- Successfully implemented scheme to route Penex DIH bottoms to CCR1 to increase production of Benzene for the refinery

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## **CONGRATS ON CROSSING** YOUR CAREER MILESTONES

#### 25 years

Vears



TAMARAISELVAN M MAINT



**SUVITHA C** 



**ROSHNI L PROJ** 



**BINDU S** CPO-KR



SAJI KUMARY P K CPO-KR



**GOPALAKRISHNAN V** O/o CGM(Ops)

## **SUPERANNUATION**

#### BEST WISHES TO OUR COLLEAGUES SUPERANNUATING THIS MONTH



AJITH KUMAR K joined the Technical Services Department in 1989 and and is retiring as Executive Director (Kochi Refinery) this



SASIDHARAN K joined Maintenance Department in 1984 and is retiring from P&U Electrical Dept this month.



**SANTOSH CD** this month.



**RAGHUTHAMAN T V** Department in 1988 the CPO-KR Dept this



**SHAJI A T** joined Lab Department in 1989 and is retiring from OM&S Dept this



**SURESH K P** joined the S&OM Department in 1984 and is retiring from the P&U Dept this



RADHAKRISHNA PILLAI B joined Maintenance Department in 1986 and is retiring from the same Dept this



**BANERJI P K** joined P&A Department in 1988 and is retiring from Maintenance Dept this month.



SENGOTTAIYAN P and is retiring from Tech-Energy Dept this month.



**GOPINATHAN M** joined Materials Department in 1987 and is retiring from CPO-KR Dept this





COME WISH KOCHIREFINERS CELEBRATING THEIR SPECIAL DAY IN MAY 2023. LOG ON TO KOCHI REFINERY <u>you-tube</u> channel to view the team members CELEBRATING THEIR BIRTHDAY THIS MONTH.



The Summer Coching camp was organised for the students of CRS in various events like Athletics, Badminton, Basketball, Baseball, Cricket, Football, Throw ball. The camp started on 13th March, 2023. 165 Students of CRS attended the camp. The session was conducted from morning 7.00 am to 8.45 am. Football, Badminton and Basketball classes were handled by Resource persons from outside. Athletics, Baseball, Cricket and Throw ball was handled by CRS Physical Education Department.





## **ADIEU TO ANOTHER BATCH OF SENIORS**

The batch of 2023, waiting to take flight on the wings of their dreams was given a beseeming farewell by the students of class 11.

Principal Ms Mala welcomed the gathering . Mr Shine P Jose and Mr. Suresh, representing class teachers of Std 12, Mrs. Rachel Thomas, and Ms Saritha offered their felicitations. The light from the Mother lamp, which symbolised their fervent promise to uphold the values of their Alma Mater was distributed to every student. Before embarking on their journey to the brighter tomorrows, the school song was sung one more time by students of Std 12 with honour and pride. Assistant Captain Devika Lakshmi proposed the vote of thanks.



## NCC CADETS TRAIN AT CRS



A 10-day joint Annual Training Camp of NCC started at Cochin Refineries School, Thiruvaniyur under the auspices of 22 Kerala NCC Battalion. Col. Vikrant Adhikari (Sena Medal), performed the inauguration ceremony. He told the cadets that through systematic training, cadets will acquire basic qualities like punctuality, discipline and social responsibility. Classes on Drill, weapon training, firing, map reading and expert classes on various subjects were organised in the camp. In the evenings, the cadets' art performances were also held.

Col. Rajeevan, Major KS Narayanan. Lt. Akhil J, Lt. Radhi, Capt. Sandhya, Lt. Rajni, Second Officer Stanley Arun CA (ANO Refineries School), Third participated in the camp.





## **#MAKING LIVES BETTER**

Calling all engineering students in India! The Medhaavi Engineering Scholarship Program 2023-24 is now accepting applications from students enrolled in engineering courses (any year) at selected NITs. Selected candidates will receive a one-time grant of INR 50,000.

Don't miss out on this incredible opportunity to receive support for your educational journey. Last date of application acceptance is 7th June 2023.

Click here to know more: https://bit.ly/3Aw1Jog



Editor : George Thomas, GM(HR)