

# पेट्रो प्लस PETRO PLUS

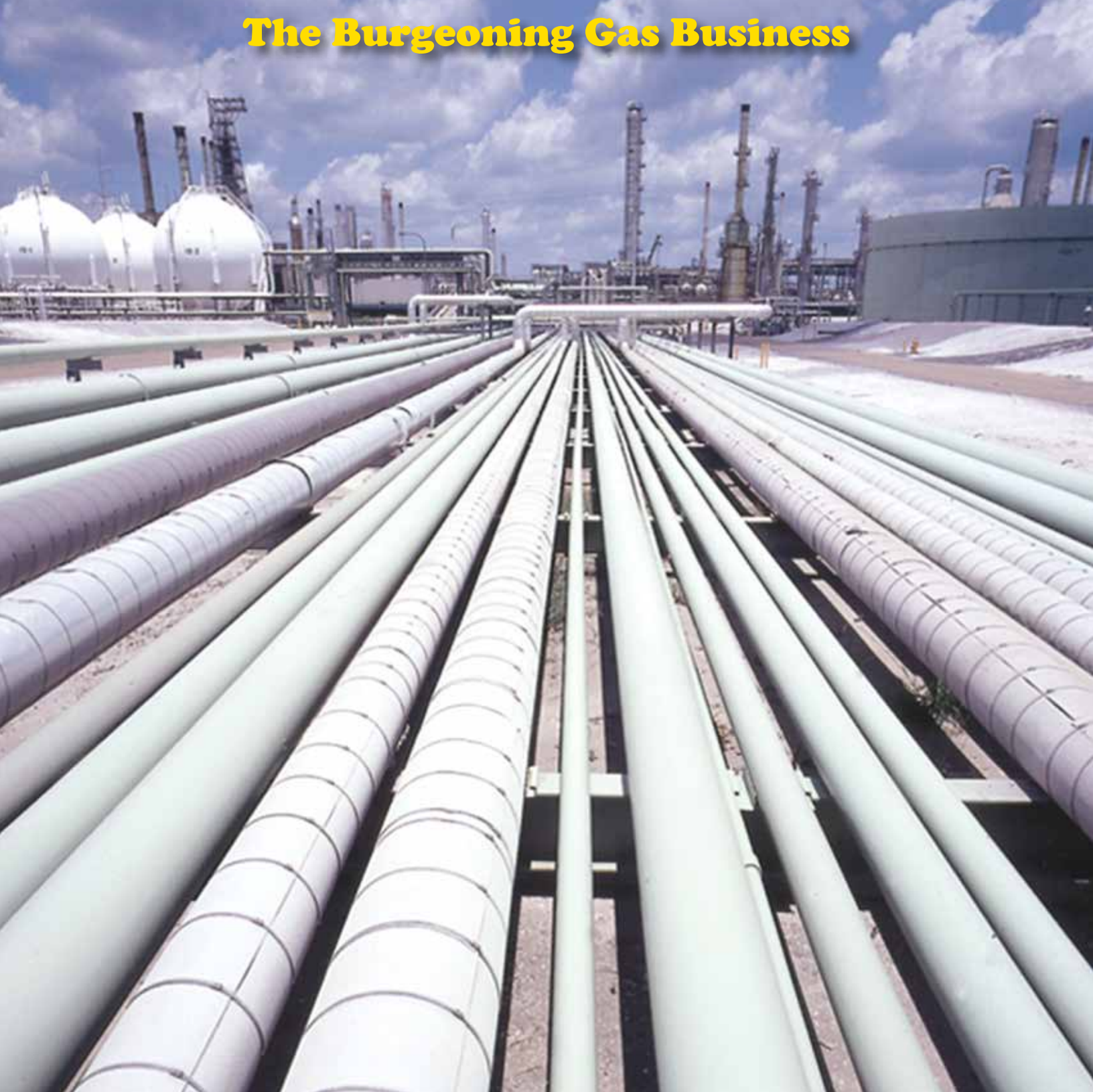
*Star Amongst Maharatnas*



Energising Employees

VOL-VIII / Issue 2 / 2018-19

## The Burgeoning Gas Business



# Editorial

“**N**ew discoveries and production of resources like Shale Oil and Gas are dramatically altering our energy supply outlook and the entire global geopolitical landscape. And the pace of change – particularly in the past few years – continues to accelerate,” observed Fred Upton. Echoing these sentiments is Nancy Pelosi, Speaker of the US House of Representatives, saying, “I believe in natural gas as a clean, cheap alternative to fossil fuels.” BPCL has demonstrated tremendous foresight and visionary planning, as it set out on its Gas journey years ago. Under the stewardship of our C&MD, Mr. D. Rajkumar, BPCL decided to establish a firm footing as a leading player in the Gas industry in India, by incorporating Bharat Gas Resources Limited (BGRL) as its Wholly Owned Gas Subsidiary, for dedicated focus on this rapidly expanding Gas Business. Read about BPCL’s plans and noteworthy successes in this illuminating feature article.

Our Director (Marketing), Mr. Arun Kumar Singh and Director (Finance), Mr. N. Vijayagopal have taken charge, guiding BPCL’s performance and urging our talented people to work with enthusiasm and commitment.

Our numerous awards and accolades bear testimony to our winning ways and acclaim earned in diverse spheres. We should sustain the momentum and even venture on new paths to reach new horizons. Challenges are what makes life interesting and overcoming them is what makes life meaningful. Let us aim to be real winners, who are continuously converting our problems into opportunities. Believe in yourself and follow your dreams, meshing them with the Company’s goals, to take BPCL to lofty heights !

## PETRO PLUS

VOL-VIII / Issue 2 / 2018-19

### Editor :

Ms. Marianne Karmarkar

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# Contents

1

Feature

8

News

13

Snippets

14

Awards

19

Appointments

20

People

23

Retirements

27

Health

28

Family

29

Safety

30

समाचार

32

सुरक्षा

34

चिंतन

36

स्वास्थ्य

39

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## The Burgeoning Gas Business

*“We’ve recognized that natural gas would be the fastest-growing of the conventional fuels: oil, natural gas, coal. And so, we see the important role that natural gas will play globally in terms of meeting future energy demand,” said Rex Tillerson, former CEO of ExxonMobil.*

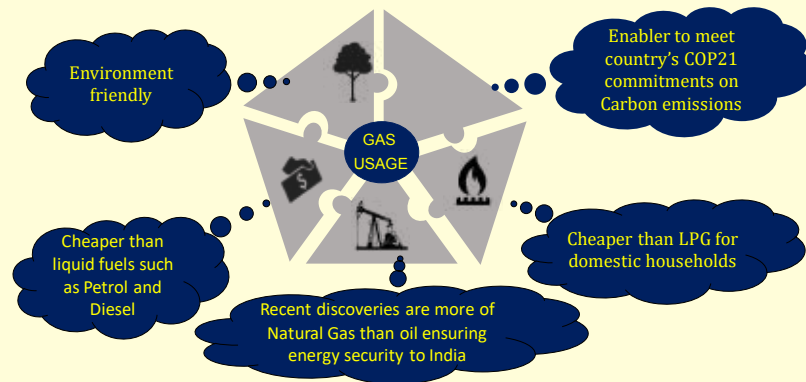
‘The future is Gas !’ This aphorism has long past its sell-by date, as there’s a growing clamour for Gas to play a dominant role in our present... or else we may not have a future at all ! India is slowly reaching its threshold limits where air pollution is concerned, with many cities being enveloped in a thick blanket of smog. Grave health warnings are being issued, as they battle the scourge of pollution, which is worsening day by day. The silver lining in the mushrooming cloud is that the Indian government is taking proactive steps to alleviate this problem by using more natural gas in the energy mix as an alternative to coal and oil.

### India’s Energy Scenario

India, home to more than 17% of the world population, stands at a primary energy consumption level of merely 5.5% of the world consumption. The good news is that India’s impetus on infrastructure development and manufacturing, increased economic activity, urbanization and industrialization will enable India’s energy consumption to grow at a rate faster than all major economies in the world, the energy growth ranging between 4 - 5% per annum. It is also imperative for India to balance the twin objectives of expanding energy supplies and sustainable

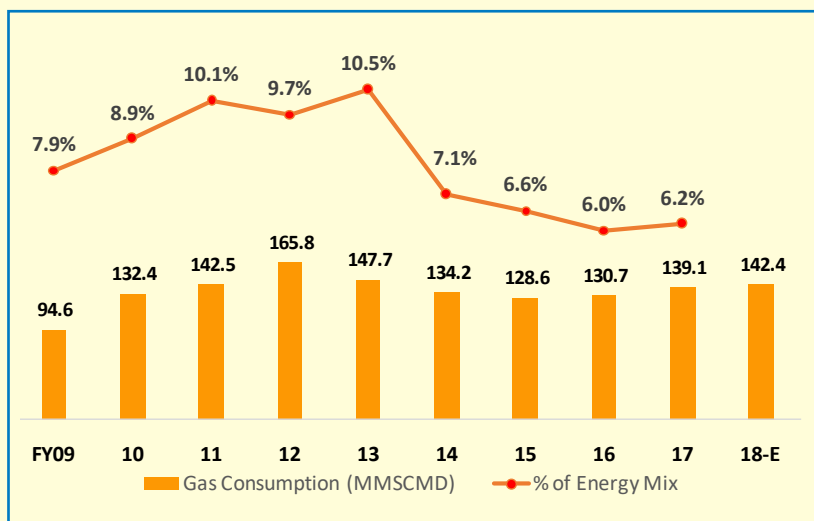
growth, by promoting the use of cleaner energy sources and development of a green transportation network.

### Natural Gas

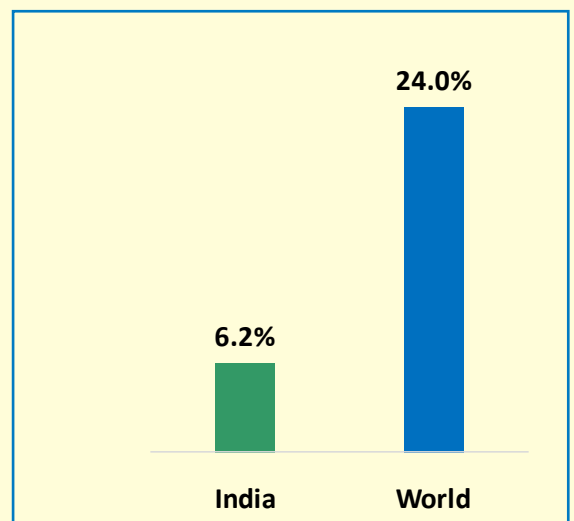


Similar to oil, natural gas is found underground or under the sea. It is a tasteless, colourless and odourless gas, that chiefly consists of methane. It's oft said that Natural Gas is the fuel of the 21st century and is one of the cleanest forms of energy. Its usage and applications are vast – ranging from cooking our food, heating our homes and powering our appliances, to generating electricity and fuelling our vehicles, even as a feedstock for manufacture of fertilizers and petrochemicals. This versatile and abundant resource is helping to drive a manufacturing revolution and contribute to emission reduction drives all over the world. Consequently, India’s push for more natural gas is also part of a strategy to ensure the country’s energy security. Expanding the use of gas is particularly important, given

**Natural Gas Consumption in India and its Share in Energy Mix**



**Natural Gas Share in Energy Mix (2017)**



## Mr. R. P. Natekar Executive Director (Gas)

Establishing a new company is a challenge in itself ! Doing it in an ever-expanding field full of competition adds to the thrill !

Competition with both public and private sector companies – more than 30 of them, working without the comforts of one's own infrastructure, a volatile market, ability of customers for an easy switch, raising large amounts for the project, safety and above all, an interface with the common man in B2C interactions – Gas is full of juice! And you need to have safety on top while doing all this.

I am really excited to head BPCL Gas / BGRL teams at this crucial juncture. It's a full challenge to all skills learned so far – finance, sourcing, marketing and strategy !

Gas is the future ! We intend to be in every aspect of the Gas chain. We are existent in imports, marketing, transport and CGD. This exposure will be increased. Further, we would be looking at uncovered areas like regasification of LNG. We will also take positions to bring in new technology including inter-alia LCNG, LNG buses and trucks. This would give a large boost to the Natural Gas sector.



In many ways, we are looking at framing the lives of millions of customers in the days to come. Their factories, their vehicles and above all, their kitchens would be dependent on you. You cannot falter ! Service, economy and safety are the pillars of our working. With a great mixture of wise experience and enthusiastic youth, my team is poised to go places !

Go BGRL –the future awaits you !

the rising hunger for energy in a country of more than 1.3 billion people.

India's energy future has four pillars - energy access, energy efficiency, energy sustainability and energy security. The flexibility of Natural Gas as a fuel, together with its energy security, environmental attributes and affordability, make it an attractive fuel for sustainable growth.

As our Hon'ble Prime Minister averred, "The National Gas Grid or Pradhan Mantri Urja Ganga has been created to have a gas based economy and enhance the share of gas in the energy basket."

### Key Policy Enablers

- Regulatory interventions
  - CNG in public transport in certain cities
  - Ban on Petcoke and FO - Delhi, Haryana, Uttar Pradesh and Rajasthan
- Domestic gas allocation for Domestic PNG and CNG
- Reducing import duties on LNG by 50%
- Augmenting efforts to increase domestic exploration and production of gas
- Designated CGD as "Public Utility"
- State governments' commitment for facilitation of CGD Networks:
  - a. Nodal officer, Single Window Clearance
  - b. Standard restoration charges by Municipalities
  - c. State Road Transportation on CNG
  - d. Land for CNG Stations

Government of India reiterated the target to increase the use of natural gas by 2.5 times by 2030, which pushes its share to 15% of India's energy mix, from the prevailing 6.5%. Shift in use from Diesel and Petrol to Compressed Natural Gas (CNG) for vehicles will reduce CO<sub>2</sub> emissions, which would be a significant step towards India's COP-21 (Climate Change Conference) commitment i.e. cutting carbon emission intensity (a measure of carbon emissions per unit of economic activity or GDP) by 33 - 35% by 2030. CNG is cheaper by 60% and 45% as compared to Petrol and Diesel respectively. Domestic Piped Natural Gas (PNG) is cheaper by 40% as compared to market priced LPG and almost matches with the price of subsidized LPG.

With domestic production growth lagging demand increase, India has sketched out plans to increase its imports of LNG with additional investments in gas infrastructure (Pipelines, Terminals and CGD Networks).

### The BPCL Gas Journey

BPCL has been in the Natural Gas arena for a considerable time now. It started its journey as a consumer for Natural Gas emanating from the Mumbai High field. Over the years, BPCL has been a keen advocate of this important component of the energy basket. Partnering OMCs, BPCL played a key role in investing in infrastructure to bring Natural Gas to the doorsteps of customers.

India's energy future has four pillars - energy access, energy efficiency, energy sustainability and energy security

## Joint Venture Companies (JVCs)



PETRONET LNG LIMITED

### Petronet LNG Limited (PLL)

PLL was formed in April 1998 for importing LNG and setting up an LNG terminal with facilities like jetty, storage, regasification etc. to supply natural gas to various industries in the country. The company has an authorised capital of ₹3,000 Crores and paid up capital of ₹1,500 Crores. PLL was promoted by BPCL, IOCL, ONGC and GAIL, each holding 12.5% of the equity capital of PLL. BPCL's equity investment in PLL currently stands at ₹98.75 Crores. As at 31.3.2018, PLL had net worth of ₹9,811.29 crores. As at 30.9.2018, PLL has recorded a revenue of ₹19,949.49 crores and earned a net profit of ₹1,149.92 crores. PLL has declared a special interim dividend of ₹5.50 per share.



### Indraprastha Gas Limited (IGL)

IGL, a JVC with GAIL as the other co-promoter, was set up in December 1998 with an authorised capital of ₹220 crores for implementing the project for supply of CNG to the automobile sector and PNG to households in Delhi. The paid up share capital of the company is ₹140 crores. BPCL invested ₹31.50 crores in IGL for 22.5% stake in its equity. As on 31.3.2018, IGL has 446 CNG stations and approx. 8.92 lakhs domestic PNG customers in Delhi and NCR. The company is also extending its business in the geographical areas of Rewari, Karnal and Gurugram in Haryana. IGL has earned revenue of ₹2,991.08 crores and earned a profit after tax of ₹363.17 crores.



### Sabarmati Gas Limited (SGL)

SGL, a JVC promoted by BPCL and Gujarat State Petroleum Corporation (GSPC), was incorporated on 6th June 2006 with an authorized capital of ₹100 Crores for implementing the CGD project for supply of CNG to the household, automobiles, industrial and commercial sectors in the districts of Gandhinagar, Mehsana, Aravali, Sabarkantha and Patan of Gujarat. The paid up share capital of the company is ₹20 crores. As at 31.3.2018, BPCL has a stake of 49.94% in the equity capital of SGL. SGL has set up 77 CNG stations and given connections to 4521 domestic customers. As on 30.9.2018, SGL has earned a revenue of ₹171 crores and earned a net profit of ₹45.48 crores.



CUGL

### Central UP Gas Limited (CUGL)

CUGL is a JVC set up in March 2005 with GAIL as the other partner, for implementing the project for supply of CNG to the household, industrial and automobile sectors in Kanpur and Bareilly in Uttar Pradesh. The company was incorporated with an authorised share capital of ₹60 crores. The joint venture partners have each invested ₹15 crores for an equity stake of 25% each in the company, the balance 50% being held by IGL. CUGL has set up 25 CNG stations. As on 30.9.2018, CUGL has achieved revenue of ₹42.38 crores and earned profit of ₹25.26 crores.



MNGL

### Maharashtra Natural Gas Limited (MNGL)

MNGL was set up in January 2006 as a JVC with GAIL for implementing the project for supply of natural gas to the household, industrial, commercial and automobile sectors in Pune and its nearby areas. The company was incorporated with an authorised share capital of ₹100 crores. The paid up capital of the company is ₹100 crores. BPCL and GAIL have invested ₹ 22.50 crores each in MNGL's equity capital. MIDC, as a nominee of the Maharashtra Govt., has taken 5% equity in June 2015. The balance 50% is held by IGL. The company has set up 52 CNG stations so far. As at 30.9.2018, MNGL has achieved revenue of ₹278.32 crores and earned a profit after tax of ₹49.21 crores.



### Haridwar Natural Gas Private Limited (HNGPL)

BPCL has signed a Joint Venture Agreement with GAIL for implementation of a CGD project in Haridwar and formed a JVC, HNGPL on a 50:50 basis. HNGPL was incorporated on 20th April 2016. So far BPCL has paid ₹ 7.50 crores as equity contribution.



### Goa Natural Gas Private Limited (GNGPL)

BPCL has signed a Joint Venture Agreement with GAIL for implementation of a CGD project in North Goa and formed a JVC on a 50:50 basis. GNGPL was incorporated on 13.1.2017. The project cost for the first five years is ₹120 crores, which will be funded through 30% equity and 70% debt. So far BPCL has paid ₹9.50 crores as equity contribution.

BPCL entered the Gas Business with a small beginning in 2000-01, as a promoter of Petronet LNG Limited (PLL) and Indraprastha Gas Limited (IGL). Thereafter in 2004, with the commissioning of the PLL terminal at Dahej, BPCL started marketing Gas to various customers across India. In 2008, BPCL carved out the Gas Business from I&C, envisaging a major role for Gas in India's economy. BPCL now enjoys the status of a 'major player' in the Industry. Subsequently, other JVs were formed over the course of time to ensure delivery to the end customer.

**BGRL was incorporated as BPCL's Wholly Owned Gas Subsidiary on 7th June 2018**

BPCL's exploration arm, Bharat Petro Resources Ltd. (BPRL) also struck gold by discovering large finds of Natural Gas in exploration ventures abroad. With its edge in understanding this rapid growth sector globally and realizing that India can uplift the quality of life of its people by using clean and green energy for household and industrial purposes, BPCL nurtured a lofty vision of emerging as a prominent player in the Indian gas market.

### Formation of BGRL

The challenges with the large expanding business required BPCL to:

- Ensure dedicated focus on the gas business with speedy decision making, both in strategic and operational areas.

- Exercise complete control over the entire gas value chain to reap the benefits from an integrated view of asset positions and contracts.
- Create strong financials for the gas business to facilitate investments in CGD bids, gas sourcing contracts and other capital intensive growth levers.
- Effectively manage the risk and volatility that's inherent in the gas business.
- Judiciously plan allocation and application of resources and development of competencies within the business.

Keeping the above in mind, on 7th June 2018, Bharat Gas Resources Limited (BGRL) was incorporated as BPCL's Wholly Owned Gas Subsidiary, with its Registered Office at Mumbai and an authorized capital of ₹2,000 crores.



The BPCL Board has also approved transfer of all assets and liabilities of the Gas business to BGRL on a slump sale basis. The transfer includes inter alia, assignment of existing Natural Gas Purchase and Sales agreements, Gas transportation agreements and Regasification agreements to BGRL, transfer of equity stakes in each of the existing gas related JVs (PLL, CGDs, Pipelines etc.) to BGRL and novation of PNGRB approvals/ authorizations for existing CGDs in four locations won by BPCL on its own, to BGRL. The process is in progress and we expect the same to be completed shortly.



Sitting from left to right are Mr. Prashant Kulkarni, Mr. Aditya Kumar, Mr. Priyotosh Sharma, Mr. R.P. Natekar, Mr. P. Sudhahar and Ms. Jayashree Nair. Standing are Mr. Anurag Kumar, Mr. Rishikesh Thakre, Mr. Shubham Shrivastava, Mr. Shripad Mandake, Ms. Nirmala Dhuru, Mr. Deepak Parmar, Mr. M.S. Sujindh, Mr. Chetan Kumar Mishra, Mr. Aditya Maheshwari and Mr. Bhavesh Sharda.

## The Business of Gas

The Gas Business has two major dimensions, namely Bulk RLNG/ LNG Marketing to Industrial customers and CGD Project Implementation. Bulk RLNG Marketing is trading activities involving sourcing LNG and marketing the same to customers through major pipelines. CGD Project activities involve implementing pipeline and other allied infrastructure for marketing of CNG & PNG in the GAs (Geographical Areas) which have been won in the bidding by BPCL/BGRL. It also involves bidding for new CGD Locations declared by PNGRB after detailed analysis and evaluation.

## Bulk Gas Marketing

This is a highly competitive business, as BPCL has no owned infrastructure; yet, consistently targets are met in terms of volume and profitability with proper planning and sourcing of the product at the right time. Earlier, all product purchases from international parties were channelized through PLL in tripartite agreements. Long term agreements with Ras Gas, Qatar and Exxon Mobil were effected, where BPCL's share was 10% and 40% respectively. From October 2016 onwards, BPCL has started importing parcels on its own and currently imports one cargo a month.

Most of the Gas is transported through pipelines, so servicing customers effectively is the main criterion. Capacity in pipelines has to be booked with the Gas transporter (presently GAIL) every fortnight, with estimates v/s consumption and schedules for customer requirements made on a daily basis. The challenge is in billing. Unlike other products, where payment is made in advance, in Gas, supplies are made against a Bank Guarantee and customers need to make payment within four days of receipt of the fortnightly bill. The unit of measurement is Million Metric British Thermal Unit (MMBTU) and the Flow Meter measures in m<sup>3</sup> volume of Gas, the quantity being certified by a Joint Ticket between GAIL and the customer.

Asserts Shripad Mandake, Chief Manager Sourcing (Gas), CO, "Sourcing LNG, entering into short and long term contracts with international parties like Shell, ExxonMobil and Qatar Gas, as well as PLL are my job responsibilities. Marketing is difficult due to the price dynamics, where a change of even 20-30 cents makes a huge difference ! We use information from the Platts Report, FGE and Market Insider and study prices in the international market, prices of competitive fuels like FO & Naphtha, storage position at the Inventory Terminal etc. The contract with sellers is on a 'Take or Pay' basis and with the Terminal, it's on a 'Use or Pay' basis; thus, the procurement strategy has to be fine-tuned. A single cargo has a value of ₹250-300 crores and a decision is to be taken within a short span of 24-48 hours ! Our Refineries require more than 3 Million Metric Standard Cubic Meter Per Day (MMSCMD) LNG per day to be used as fuel and feedstock. So far, PLL, GAIL, IOC, GSPC were the only companies sourcing long term LNG from the international market, but for the first time, in 2019 BPCL signed a long term contract with Mozambique LNG directly. Our credibility in the market has increased substantially."

## Mr. Priyotosh Sharma CGM (Sales) Gas

Gas being a new business venture for BPCL and a totally different one from oil, it was highly challenging and I consider myself lucky to have got the opportunity to work in this new business from the very beginning. To start with, I was singlehandedly managing the purchase, sales and pipeline transmission. Although the task was herculean, it gave me full exposure to the business. I got the opportunity of getting involved in the finalization of agreements with RasGas, PLL, Exxon Mobil, GAIL including the lenders of PLL.

For supply of Gas I had to coordinate with PLL, the customers and the pipeline operators. Each contract was different and merging all the three contracts involved a lot of study and analysis so that there were no loopholes and exposures for the company and the associated risks mitigated. BPCL started the business with a small volume of 0.25 MMTPA in 2004-05 which has grown to 1.8 MMTPA in 2017-18. In 2016, we started importing our own cargoes, which was altogether a different experience for us.

During the last 15 years, I have been associated with the finalization of four long term LNG Sale Purchase Agreements (LNG SPA) along with PLL, IOC and GAIL and have recently concluded the 5th one with Mozambique LNG. This has provided me great insights into the LNG business and knowledge on how to mitigate the risks in international deals. Every day brought in new learning for me and I thoroughly enjoy my job.



Mr. Prashant Kulkarni, Chief Finance Manager (Gas), handles the portfolios of embedded Finance, HR and Legal. He explains, "My role involves both, providing support for smooth conduct of business and also ensuring proper governance and internal controls; it includes activities like profitability analysis, budget management, tender evaluation, statutory compliance including taxation etc. With the natural gas business expected to grow and evolve in the coming years and with the incorporation of a new company - BGRL, these are exciting times to work in the BPCL Gas Business. Particularly for finance professionals, we will be involved in the rare opportunity of setting up an entirely new entity, right from the foundation including designing and implementing new ERP systems, getting all statutory registrations and certifications, developing policies and strategies etc. for the new company."

Mr. M. S. Sujindh, Asst. Mgr. (Sales) says, "We handle bulk sales, offering the product to various industrial

customers. Pricing is fixed, based on inventory position, competition, alternate fuel prices etc. The Sourcing team organizes imports and the Logistics team handles product movements from the terminal to the customers' premises. We have increased sales by 9.5% in 2017-18, using the new pipelines' catchment area, and we crossed 1 MMT for the first time. The challenge is building an image in the market, so customer relationship plays a huge part. We have close coordination with the Logistics team, on an hourly basis, to ensure timely delivery of product. This is an exciting new field of fuel with tremendous growth potential."

Exclaims Mr. Gaurav S. Tiwari, Asst. Mgr. (Logistics), "I'm working in a 365 day job ! As there's a continuous flow of gas, it needs continuous monitoring. My work involves managing of import of cargoes, documentation, SAP payments, Customs duty etc. Gas is stored in the LNG Terminal at -163°C in liquefied form and has to be evacuated within 21 days. Spot cargoes need to be tendered 3 months in advance, so market analysis has to be done to assess demand and evacuation planned. We have to monitor 73 customers, out of which about 30-35 are active, as well as Mumbai and Kochi refineries."

### City Gas Distribution (CGD)

Under CGD, Natural Gas is supplied to all segments i.e. Industrial, Commercial, Transport (CNG) and Households (PNG). CGD projects involve a network of gas supply & handling infrastructure within a Geographical Area (GA) to supply gas to various establishments or sectors. One GA consists of one to three adjacent districts. A typical CGD project requires laying of few thousand inch-kilometre steel and polyethylene pipelines, compressors, decompression units of various capacity, CCG cascades, CNG stations to meet the city's demand and PNG connections to thousands of households. Natural gas is also transmitted to various customers in commercial and industrial segments like glass, steel, paper, food processing, fertilizer, power, refineries, petrochemicals etc.

The CGD network will also use compressed biogas from the city waste which will be converted to energy for use. This initiative will help India to reduce its dependency on crude import. The CGD project also helps in generating an average of 70 to 350 jobs in a GA.

### Role of PNGRB

Petroleum & Natural Gas Regulatory Board (PNGRB)'s focus areas are:

- To increase share of Natural Gas in India's Energy basket
- To create infrastructure to support higher consumption of Natural Gas in India
- To establish a transparent and vibrant Natural Gas market in India
- To balance the interests of Consumers, Transporters and Producers of Natural Gas

### Mr. Mahesh Narain

CGM (Gas Projects), Delhi



With Government's focus on cleaner and affordable fuel, BPCL has entered into City Gas Distribution Business initially on its own & subsequently formed the wholly owned subsidiary Bharat Gas Resources Limited (BGRL).

I joined BGRL in April 2018 and immediately, the Gas BU participated in the IXth CGD bid round. It was a challenge to bid for 53 GAs out of a total of 86 GAs on offer as BGRL was a newly formed company. The CGD team crossed all hurdles and achieved the target successfully by getting authorisation of 11 GAs.

From an earlier bid round, BPCL has obtained authorisation for CGD Networks in Yamunanagar, Saharanpur, Rupnagar & Rohtak districts. These projects are in an advanced stage providing CNG & PNG infrastructure.

I also monitor the progress of projects where BPCL holds a share, like IGL, MNGL, CUGL, SGL, GNGL and HNGPL and a few of them are pioneers of the CGD business in India.

As safety is most important for operations of a CGD network, the team is committed to maintain high safety standards as per the norms. I found the job very exciting and challenging and am thankful to the company for providing me such an opportunity.

The nation is poised to embark on a novel energy journey. The IXth bidding round of PNGRB envisaged investment of about ₹70,000 crores in the CGD field alone. BPCL, through its subsidiary BGRL, was successful in winning 11 GAs out of the 86 GAs that were put up for bidding. BGRL's total commitment in these 11 GAs is to the tune of 12.54 Lakh PNG connections & 285 CNG stations with Capex outlay of ₹6,545 crores within a time frame of 8 years.

Keen to cut emissions through a greater share of environment friendly natural gas as auto and cooking fuel, our Hon'ble Prime Minister also launched the Xth round of bidding for award of city gas licenses in 124 new districts, which have been clubbed into 50 GAs. At the launch event, he announced the ambitious target of setting up a natural gas trading exchange. This would ensure transparency in terms of the pricing of natural gas. This is an important step in developing infrastructure and once the Xth round is completed, Natural Gas as fuel will cover 400 districts and about 70% of the population. The Government also intends developing an additional 15,000 km of gas pipeline network.



Declares Mr. Deepak Malik (GM-CGD Projects), “CGD projects are unique in nature, having a project development period of 25 years. There are various challenges in terms of extensive approvals, NOCs, clearances and safety aspects, as most of the work is executed in public areas surrounded by population. They are also different, in the sense that after the initial two years of project work, safe operations & robust maintenance take centre stage and project execution becomes expansion, but they complement each other.”

“It has been very exciting & challenging to work in CGD Projects,” opines Mr. Umesh Gautam (GM-CGD Projects). “Currently, my team is executing CGD projects in Saharanpur (U.P.) & Yamunanagar (Haryana). As per the work programme, we would be providing approximately 42,000 PNG connections to domestic consumers and setting up CNG stations for supplying Natural Gas to commercial & industrial consumers.”

Mr. Nitin Yadav, Sr Manager-CGD Projects states, “Access to energy is shaping India’s future. It spurs progress and plays an essential role in economic and social development. I am fortunate to be a part of the Gas business, where we are working for the transformation of lives of common people and developing the gas based economy as envisaged by Hon’ble Prime Minister. Natural Gas is currently the best available and technologically viable option to address the challenge of climate change and replacing more polluting fossils. More specifically I have been involved in developing the Natural Gas market and also being part of the team where we have secured authorization of 15 GAs. Currently I am developing the CGD Network in Rohtak District as a Project In-charge.”

## Future Outlook

BGRL has plans of increasing its presence in CGD development, promoting use of LNG as fuel in trucks/buses by setting up LNG/CNG outlets and leveraging BPCL’s existing retail outlet network and exploring other business opportunities like bunkering.

BGRL is likely to double the current volume handling of bulk supplies to customers from around 2 MMTPA of LNG to about 4 MMTPA. Additional demand is likely to come by way of the petrochemical units of BPCL at Mumbai and Kochi, as well as expansion of capacities and addition of petrochemicals at BORL’s Bina Refinery and new customers along the pipelines that are currently under construction.

BGRL is looking at various measures to meet this demand. To start with, long term supplies are being tied up with reliable suppliers. Recently BGRL has concluded an agreement for 1 MMTPA supplies with a reputed supplier at favourable terms, both on the commercial and contractual side, as compared to contracts with current purchasers. BGRL is also looking at putting up a regasification terminal at a suitable port in India, involving an investment of about ₹3000 crores in phases.

The pipeline joint ventures of GSPL India Gasnet Ltd. (GIGL) and GSPL India Transco Ltd. (GITL) will help BGRL to move natural gas to its customers. Alternatively BGRL would also be looking at hiring capacities in existing pipelines. This would take BGRL to a turnover of about ₹20,000 crores in the next 5 years.

City Gas Distribution is the second focus area for BGRL. Earlier, BPCL had developed the CGD networks on the basis of joint ventures. Six JVs of BGRL control 18 GAs. However, in future, BGRL has decided to develop the CGD networks in-house as the requisite technical expertise is now available. BGRL has presence in 33 CGDs on our own or through JVCs. The coverage spreads over Punjab, Haryana, Uttar Pradesh, Madhya Pradesh, Maharashtra, Karnataka and Orissa.

BGRL sees itself as a significant player in the Indian Gas Industry and aims to be in the top three slots. It plans to participate in the entire value chain of gas marketing including imports, Re-gas, transportation, Bulk Sales, CGD etc. Gas is the fuel in vogue and BGLR is poised to take full advantage of it.

**BGRL  
sees itself  
as a significant  
player in the Indian  
Gas Industry**



The CGD Delhi Team : From left to right are Mr. Nitesh Kumar, Mr. Ankush Bhandari, Mr. Abhinav Neb, Mr. Dipankar Saha, Mr. Umesh Gautam, Mr. Mahesh Narain, Mr. Deepak Malik, Mr. Brijesh Verma, Mr. Shishir Choudhry, Mr. Nitin Yadav & Mr. Vipul Arora.

# News

## A Noteworthy Visit



Mr. D Rajkumar, our C&MD, Mr. R. Ramachandran, Director (R), Mr. N. Vijayagopal, Director (F) along with Mr. Prasad K Panicker, EDI/C (KR), Mr. P.S. Ramachandran, ED (Projects), Mr. Jayesh Shah, ED (HR) and Mr. Murali Madhavan P, CGM (Ops) KR extended a warm traditional welcome to Petroleum Secretary, Dr. M. M. Kutty, IAS on his maiden visit to Kochi Refinery on 3.11.2018. "A very learning experience at a well managed facility," he wrote in the visitors' book. He also shared, "The projects of fuel quality improvement, petrochemicals project and the proposed polyols projects are of great relevance in today's context."

## Fusion of High End and Green Technology

On 26th December, 2018 BPCL commissioned a 72 station Flex Speed Carousel at Loni LPG Plant. An engineering marvel, the carousel exemplifies cutting edge technology, minimum human intervention, robust downstream facilities culminating in seamless filling of cylinders, less downtime, safe operations, environment friendly and expected realization of break-even in a very short span. The rated production of the carousel is a staggering 4200 cylinders per hour, with about 95% weight accuracy, trebling the bottling capacity of a regular carousel.

## Solar Power Plant Inaugurated



A 260 KW photovoltaic technology based Solar Power Plant was also inaugurated at Loni LPG Plant. With 790 solar modules with 9 inverters of various capacities, the plant will result in substantial saving to the Corporation and mitigate global warming.



## MoU Signing With Common Service Centres (CSCs)



Having provided LPG to 5.73 crore citizens through the Ujjwala scheme, Oil Marketing Companies (OMCs) and Common Service Centers (CSCs) have agreed to help the beneficiary to scan/upload the KYC documents for verification of identity, provide the facility for booking and delivery of refills and other services through CSCs for the last mile access at their doorsteps. Our ED (LPG), Mr. I.S. Rao signed an MoU for collaboration with Dr. Dinesh Tyagi, CEO, CSC e-Governance Services India Ltd. on 3.11.2018 at Delhi in the presence of Shri Ravi Shankar Prasad, Hon'ble Minister Law & Justice, Electronics & IT, Shri Dharmendra Pradhan, Hon'ble Minister of Petroleum and Natural Gas and Skill Development & Entrepreneurship and other dignitaries.

## Engineers Day Celebrations at CRDC



On the occasion of the 156th Anniversary of Sir Mokshagundam Vishweshwaraya on 14.9.2018, CRDC celebrated Engineers Day with zeal, lauding the role of engineers in India's industrial development. A Quiz was held on scientific facts (application of principles and discoveries), identification of famous scientists and logos of different companies in the Oil & Gas sector. A Working Model Competition was conducted, to fabricate a free-styled self-driven prototype covering maximum distance within limited time. Incredible models were designed with creativity and excitement by all teams.

## Nurturing the Future



A workshop for New Operators was held at the Southern Regional Office to engage with them, understand their experiences and expectations, help them build personal effectiveness and assess their knowledge levels of the day to day operations at their respective locations. Sessions were on developing a passion for excellence, building a positive attitude, overcoming the generation gap and being an effective contributor through creativity and innovation. Next, they shared their learnings in certain vital areas like operations, safety and storage.

## Food Grade Quality – Hexane Launched



With the primary aim of promoting agro-processing, Kochi Refinery has launched the specialty product - Food Grade Quality Hexane (FGQ Hexane) that could turn out to be a boon for the agricultural sector of Southern India. Mr. D. Rajkumar, our C&MD, flagged off the first truck carrying FGQ Hexane, which is being produced in the Isomerization unit of KR, part of the IREP. This is the first time that KR is producing a 'Food Grade Quality' product, which is mainly used as a solvent in the solvent extraction units for spices and vegetable oil, also by the drug and pharmaceutical industry as well as a solvent in other specialty applications. KR currently has the capacity to produce 5000 MT per year. This would help the food processing industry and the farming community and be a shot in the arm for the 'Make in India' initiative.

## Expanding BPCL's Global Footprints



MAK Lubricants has always been the torchbearer of BPCL's overseas aspirations, taking bold and aggressive strides when it comes to international expansion and doing business beyond borders. On 21st September 2018, MAK Lubricants took another giant leap forward when the maiden consignment of a combination of high end synthetic engine oils, gear & transmission oils, greases and other grades meant for new generation vehicles was sent to UAE. This would hit the market shelves in Abu Dhabi, Dubai, Sharjah, Al Ain and Fujairah.

MAK Lubricants has also been making its presence felt in select GCC countries like Kuwait, Oman, and Bahrain for the last few years and has now launched the new MAK packs. Along with its exclusive distributor in the UAE viz. M/s Oiltek Trading, MAK started a fruitful dialogue with ADNOC Distribution, part of the Abu Dhabi National Oil Company. MAK also renewed ties with M/s Jassim Transport & Stevedoring Company, KSCC (JTC) our sole distributor, which is a \$1.8 billion, multinational business house with interests spanning across Oilfield Services, Port Management, Energy Solutions, City Transport and Fleet Management across Kuwait, Qatar, Saudi Arabia and Jordan.

## Kochi Refinery receives "Own Crude"



On 22.10.2018, Dr. M. Beena, IAS, Chairperson, Cochin Port Trust switched on the pumping of the first parcel of BPCL's "own crude" at Kochi Refinery, marking another far-reaching step of BPCL towards enhancing energy security of the country. The arrived parcel of 7,00,000

Barrels of Das blend crude oil from the Lower Zakum Concession is part of the equity crude oil cargo of BPRL, which has been set up with an aim to provide partial supply security of crude and hedging of price risks. This is the first delivery of BPRL to the parent company.

## Journey of the GTU Reactor



The Gasoline Treatment Unit (GTU) Project team achieved a remarkable feat of transporting the Selective Hydrogenation Unit (SHU) Reactor, which is the longest consignment (40.5m length & 3.3m Dia.) to enter Mumbai Refinery. The SHU Reactor is a 2 bed reactor weighing 101 MT which was manufactured by M/s Technoprocess Equipments at Bharuch. It was transported in a specially designed multi axle trailer and faced several hurdles along the way like high tension wires, short radius turns over flyovers, lighting poles etc. The journey of the reactor inside Mumbai refinery from East Gate to the GTU Project site was an even bigger challenge and was done phase wise.

## Exponential Technology and our New Future



Eminent speakers offer a different perspective, inspiring the audience and introducing them to a real world life experience. As part of Employee Engagement, Mumbai Refinery invited Dr. R. A. Mashelkar, former DG of CSIR and internationally renowned speaker, to deliver a talk on 'Exponential Technology and our New Future' on 25.10.2018. He shared his powerful idea of 'Technology for All' which dwelt on the challenge of making low cost high end cutting technology for the poor. Our constant endeavor to impact the life of people who are at the bottom of the pyramid is a reflection of our core value i.e. "Innovation is our daily inspiration". Our apprehensions of machines taking over humans were also negated as now we look to the future as not "Man vs Machine" but "Man and Machine" complementing each other in every strata of life. Technology has become vulnerable today, as it has come into the hands of everybody. Thus, it becomes equally important to embrace empowerment with accountability. Proper standardization and regulation of using technology is the need of the hour.

## Mumbai Refinery CCTV Surveillance System



A critical component of a comprehensive security plan is to implement a robust Closed-Circuit Television (CCTV) Surveillance System that can remotely monitor and record the snapshots across the 6.5 km Mumbai Refinery Perimeter, all Refinery Gates and strategic locations. The new CCTV System was inaugurated by Mr. C.J. Iyer, ED (I/C), MR and Mr. R.R. Nair, ED HR (MR & JV Refineries) on 12.9.2018. The system is capable of automatically

analyzing video to detect & determine temporal & spatial events which enable CISF to monitor the area more prominently and proactively. The project involved Advance Video Analytics, High Definition Cameras for better viewing, Ninety Days Centralized Recording, Full coverage of Perimeter Recording (No Blind Spot), Scalability of Solution and a Hi-Tech CCTV Control Room.

## Haridwar Natural Gas Signs MOU with Uttarakhand Govt.



7th October 2018 marked a high watermark for Haridwar Natural Gas Pvt. Ltd., a Joint Venture of BPCL and Gail Gas Ltd., with the formal signing of MOU with the Govt. of Uttarakhand for facilitating faster execution of the CGD project, against the backdrop of Hon'ble Prime Minister, Shri Narendra Modi's visit at Dehradun. The MOU was signed by Mr. R.M. Bhardwaj, CEO, Haridwar Natural Gas and Mr. Anand Bardhan, Principal Secretary, Food & Civil Supplies, Govt. of Uttarakhand for CGD Projects in Haridwar District in the august presence of Shri Trivendra Singh Rawat, Hon'ble Chief Minister of Uttarakhand at the Uttarakhand Investor Summit 2018.

## Launch of Solvent D 80

Time stood still for a moment on 19th October 2018 as the first Tank Lorry of Solvent D 80, a De-Aromatised Solvent was flagged off by Mr. C.J. Iyer, ED I/C (MR). De-aromatized solvents are among the most versatile petroleum products used in a wide variety of applications owing to sweet odor, very low aromatic content and negligible reactive impurities. Predominantly, these solvents find applications in low odor alkyd resin, mosquito repellent, architectural coatings, printing inks & ink cleansing, cosmetics, metal degreasing, adhesives, wood preservatives etc.



## First ATF truck to Kannur Airport flagged off from KR

The first truck carrying 29 Kls of ATF for Kannur International Airport was flagged off from BPCL Kochi Refinery on 19.10.2018 by Mr. V. Thulasidas, IAS, MD, Kannur International Airport Limited (KIAL), in the presence of Mr. Prasad K. Panicker, ED (KR), Mr. Vijay Ranjan, CGM (Ops.& JV - Aviation), Mr. Prasantha V. Kamath, Aviation Manager (West) & CEO of BKFFPL.

## Umang Connects Customers Galore

Launched in 2016, 'Umang', a Rural Market Place Initiative under Project Nishchay, taps the immense rural economic opportunity to further leverage it in fuel retailing. Umang offers value added services like Financial Inclusion, State/Central Government services to citizens along with allied services like mobile and DTH recharge, bill payments, assisted e-commerce and agri advisory etc. right to the doorstep of rural India. Umang has scaled up to 328 touch points across Maharashtra, MP, Rajasthan, UP, Tamil Nadu and Odisha along with a few locations in AP & Telangana. Umang has touched more than 1,00,000 customers in October 2018 with a turnover of ₹ 44 Crores. Cumulatively Umang has crossed ₹ 170 Crores turnover in the current financial year with footfalls at Umang touchpoints increasing by 15% month on month.

## MAK Lubricants Partner with TATA Motors

MAK Lubricants and TATA Motors have been in collaboration since 2004 for providing cutting edge Genuine Oils to the TATA commercial vehicle and passenger car segments. On 12.9.2018, Mr. V. Anand, our ED (Lubes) and Mr. Ganesh Shetty, Head Customer Service, International Business, Tata Motors signed an agreement for distribution of Genuine Oils in Nepal, Bangladesh and Bhutan.

## I&C Propel MOU For Propylene With TNPPL

On 14th December 2018, BPCL signed an MOU with M/s. Tamilnadu Petroproducts Ltd.(TNPPL) for sale of about 15 TMTPA Polymer Grade Propylene ex our Kochi Refinery to their plant in Manali, Chennai and to their sister concern unit, M/s. Manali Petrochemicals, Chennai.

## Launch of MAK Honda Power

MAK Lubricants was proud to fly with Honda "Wings" with the launch of MAK Honda Power - extra premium 4-stroke 2-wheeler Engine Oil on 25th October 2018. MAK Lubricants was the selected partner for Honda Motorcycle and Scooter India Pvt. Ltd. (HMSI) for marketing their co-branded genuine oils - MAK Honda Power 4T 10W30 MA - Motorcycle Engine Oil and MAK Honda Power 4T 10W30 MB - Scooter Engine Oil across India. BPCL is the first and only co-branded 2 wheeler offering in the lubricants market, with maximum number of original equipment tie-ups in the 4T segment.

## ATF Business Boosted at Ahmedabad

For the first time ever, this year BPCL has been awarded the entire business of Haj flights (through Garuda Indonesia) at Ahmedabad, refuelling about 100 Flights from Jeddah-Saudi Arabia to Solo Airport-Indonesia involving around 6000 KL from 28th August to 25th September, 2018. Ahmedabad AFS has risen to this challenge with the encouragement of WR Aviation and HQ Teams.

## Physiorelieve -Freedom From Aches

A session on Physiorelieve was organized by ESE at CO on 24.10.2018 by Physiotherapist, Dr. Ketaki Shingare More. The office based job, which involves working for long hours on the computer, often leads to various kinds of aches and joint pains. It is essential to have frequent movement, postural change and follow the right ergonomics. She explained Repetitive Stress Injury (RSI) and its treatment through physiotherapy, exercises and other life style changes. She also explained the symptoms of tennis elbow, neck pain, back pain/lumbar disc pain and gave corrective postures in each condition. She also addressed the issues that arise due to lack of proper alignment between the eyes and screen and on account of poor mouse alignment or wrong wrist position, along with ways to correct them.

# Awards

## BPCL Wins Six PRSI Awards



From left are Mr. Arun Kumar Singh, Director (Marketing), Mr. R. Ramachandran, Director (Refineries), Mr. D. Rajkumar, C&MD, Mr. K. Padmakar, Director (HR), Mr. N. Vijayagopal, Director (Finance) and Mr. N. Prabhakar, CGM (Brand & PR).

BPCL has won six prestigious awards in various categories at the Public Relations Society of India (PRSI) National Awards 2018. Of prime importance among them was the First Prize for the Best Public Sector Organisation. The other awards were for the Annual Report, Best Communication Programme (Internal Public) - Brand Quiz Baadshah, Best use of Social Media Campaign, Best Employee Communication Program - BPC Tarang (Internal Radio programme) and Best PSU Implementing RTI. The awards were presented by Hon'ble Chief Minister of Uttarakhand, Shri Trivendra Singh Rawat and Dr. Ajit Pathak, National President, PRSI at the 40th All India Public Relations Conference, which was organised by PRSI from 8th-10th December, 2018 at Dehradun.

## BPCL Receives SKOCH Silver Award

BPCL's CSR flagship project i.e. Project Boond was awarded the Order of Merit as well as the Silver Award by SKOCH in the Oil and Gas Category. Project Boond on water conservation has been implemented in 4 States & 196 villages. The Awards Ceremony was organized by SKOCH Agency on 6th December, 2018. The program was inaugurated by Mr. Anand Kumar, Secretary, New and Renewable Energy, Government of India.



## Mumbai Refinery Bags FIPI 'Project Management-Company of the Year' Award



On 31st August 2018, BPCL's Mumbai Refinery Team was awarded the prestigious FIPI (Federation of Indian Petroleum Industry) 2017 trophy for completing the Diesel Hydro Treatment (DHT) Project ahead of the time schedule with cost savings, while maintaining quality and safety standards during its implementation. The award was presented by Former DG, CSIR & Padma Vibhushan Shri RA Mashelkar to Mr. C. J. Iyer, ED (I/C)-MR & Mr. M. B. Pimpale, ED (Refinery Projects – Rasayani) at a glittering function in Taj Palace Hotel, New Delhi. MR had bagged the same award in 2016 for the CDU 4 project, making it twice in a row.



## Project Management Institute Award for Mumbai Refinery

The BPCL Mumbai Refinery Project Team was once again recognized with the Runner-up Award in the category 'Project of the Year-Large Category' (Project costing more than ₹1000 crores) by the Project Management Institute (PMI), India. Shri. M Damodaran, Former Chairman, SEBI presented the award, which was hotly contested amongst 127 entries from many sectors of the economy like oil & gas, steel, infrastructure, automobile, IT etc.



## Technology Excellence Award for Kochi Refinery



BPCL's Kochi Refinery won the Technology Excellence Award 2018 in recognition of the significant interdisciplinary engineering contribution to the commissioning of the Integrated Refinery Expansion Project positioning KR as the largest public sector refinery in India, enabling it to manufacture auto-fuels complying with required BS IV (Euro IV/V) specifications. Mr. Prasad K. Panicker, ED (KR) I/C received the award from Hon'ble Chief Minister of Karnataka, Mr. H.D. Kumaraswamy at the 6th Indian Technology Congress 2018 in Bengaluru on 5th September 2018.

## Mumbai Refinery Bags ICC Awards



ICC Award For Excellence in Energy Conservation and Management

BPCL Mumbai Refinery has been conferred with two prestigious awards for Excellence in Energy Conservation and Human Resources Management by Indian Chemical Council (ICC), Mumbai. Established in 1938, ICC is



ICC Award - "Certificate of Merit" For Excellence in Human Resource Management in Chemical Industry

dedicated to the growth and promotion of the Chemical Industry in India and annually presents awards to chemical/processing industries under various categories.

## Dun & Bradstreet Infra Awards for Mumbai Refinery



Mumbai Refinery received the prestigious Dun & Bradstreet - Infra Award 2018 in the Industrial Plants category for its DHT project. The Award from the US based global firm, which was presented by Mr. Amitabh Kant, IAS, CEO, NITI Aayog, signals international recognition for BPCL in the field of Project Management & Execution. It is pertinent to note that MR has already bagged 4 other awards for the DHT Project – IDEAS 2017, FIPI - 2017, CIDC Vishwakarma Awards 2018 and PMI India Awards 2018.

## Mumbai Refinery Receives IMEA Award 2018



Mumbai Refinery was recognised with the Gold award in the India Manufacturing Excellence Awards 2018 (IMEA) instituted by Frost & Sullivan under the Process Sector, Mega Large Business category. The award was presented by Mr. Panduranga Prabhu, Regional President, Power Train Solutions, Bosch Ltd., India and Mr. K R Srivastava, CEO, UPL Ltd. on 6th December 2018.

## Mumbai Refinery is Conferred with the NAMC Gold Award

In recognition of Mumbai Refinery's commitment towards Business Excellence and Manufacturing Competitiveness, International Research Institute for Manufacturing (IRIM) has conferred Mumbai Refinery with the Gold Award - (Special category) under the prestigious 'National Awards for Manufacturing Competitiveness (NAMC) 2017-18', along with a special award for 'Strategic Leadership'. The assessment process involved shortlisting of organizations, carrying out on site evaluation using a 'Priority Adapt Technique' exercise and arriving at the final ranking. This year, out of 92 organizations shortlisted, around 50 organizations were bestowed with NAMC Awards under various categories. Mumbai Refinery won the Gold award while the Apex awards were bagged by Reliance Industries, Maruti Suzuki, L&T and UPL. Ms. Christina Ruggiero, CEO of Hindustan Coca Cola, presented the awards.



## Golden Peacock Award for BPCL

One more golden feather in the already decorated crown of BPCL was added on 25th October 2018, when the 'Golden Peacock Award 2018' for 'Excellent Corporate Governance' was presented to BPCL. This reflects BPCL's stellar achievement in meeting a high level of commitment to all stakeholders, while conducting its governance in a fair, transparent and ethical manner. This also is a tribute to BPCL's care for the environment and service to society as a responsible corporate citizen. The Director General of the Institute of Directors presented the award at their global convention in London.



## BPCL's Market Leadership Appreciated



BPCL was recognized by India Inc. with the 'SKOCH Award for Corporate Excellence 2018' under the category 'Market Leadership', for maintaining its market share and brand equity as high as ever, warding off threats of de-carbonization, deregulation and privatization. High performing culture, a customer centric approach, particularly last mile delivery and proactive marketing initiatives are some of the factors that have contributed to this recognition.

## Kochi Refinery wins Kerala State Energy Conservation Award 2018



Kochi Refinery has been conferred with the highest award in the State for Energy Conservation - the Kerala State Energy Conservation Award 2018 – which was presented by Shri MM Mani, Hon'ble Minister for Electricity, Govt of Kerala on 27th December 2018. The Government of Kerala is the first to establish an Energy Management Centre (EMC) at the State level in India, aiming primarily to remould and instrumentalise energy sector as a catalyst in promoting a development process which is econo-ecologically sustainable. Instituted by the EMC - Kerala, Kochi Refinery received this award in the category of Large Scale Energy Consumers in Kerala. This is in recognition of the commendable achievements in energy conservation and management measures including steam optimization in a larger way (70 TPH) and the innovative use of plate type exchanger for increasing CDU-2 charge rate by one million ton per annum without additional fuel, a first time in any Indian Refinery.

## Best Innovative Practice Prize



BPCL won the First Prize for 'Vizdome – The Video Learning platform' as the Best Innovative Practice in the domain of Learning and Development at the first L&D Symposium of the Oil Industry at IIPM, Gurugram on 4th and 5th October, 2018. The initiative stood out for its uniqueness of leveraging employees as content developers, creating a rich repository of learning videos and as an innovative and effective medium of learning. BPCL was declared the winner of the LEAP Award for the most innovative training initiative of the year. The participants to the symposium were from IOCL, ONGC, HPCL, BPCL, EIL, OIL, GAIL, E&Y, Deloitte, Franklin Covey, Blanchard International etc.

*“ Paint a masterpiece daily. Always autograph your work with excellence. ”*

## Hat-Trick of Safety Awards for Bhubaneswar AFS

Bhubaneswar AFS won the Kalinga Safety Award - 2017 (Gold) in the category of Oil Depots across the state of Odisha. It was presented by His Excellency, Prof. Ganeshi Lal, Governor of Odisha, during the Odisha State Safety Conclave 2018 held on 2.11.2018 at Bhubaneswar. The conclave was organized by Institute of Quality & Environment Management Services, Bhubaneswar and was supported by Ministry of L & E, Govt. of India and Dept. of Labour & EI, Govt. of Odisha. Earlier this year, Bhubaneswar AFS won the Odisha State Safety Award for the lowest weighted frequency rate of accidents for the year 2017 organized by Department of Factories & Boilers, Govt. of Odisha. They also won the award for 'Excellence in HSSE: Aviation' Throughput more than 15 TKL/ Annum organized by Corporate HSSE.



## CRDC bags Seven Awards in Frost & Sullivan's PREP 2018



Frost & Sullivan's Project Evaluation and Recognition Program (PREP)-2018 applauds establishments with revolutionary success stories, who actively achieve business goals, create competitive businesses, innovate and integrate sustainability principles into their business culture. On 6th December 2018, seven projects undertaken by CRDC were lauded – Winners in the Environment Leadership, Additive Manufacturing and Quality Enterprise Leadership categories, Jury's Special Mention in Digital Modeling and Certificates of Merit in the Cost Leadership, Environment Leadership and Additive Manufacturing categories. BPCL bagged the highest number of awards amongst all companies.

## Woman Executive of the Year



Ms. K. Shreya Chaudhary, Chief Manager Ops. (HCU/ LOBS) was recognised with the 'Woman Executive of the Year – 2017' Award in the category of service experience of more than 20 years. This award was presented by former DG, CSIR and Padma Vibhushan, Dr. R. A. Mashelkar

at the FIPI Oil & Gas Awards 2017 held on 31.8.2018 at New Delhi. Ms. K. Shreya has been responsible for maximization of all speciality products from the refinery like toluene, benzene and hexane. She was involved in the "Use of BPCL base oil in the Cosmetic Industry" which won the Chairman's award in 2010. She was instrumental in optimization – in process as well as projects, the grass root continuous catalytic regeneration reformer and the conversion of the existing semi regeneration reformer to an isomerization unit. This unit has made India the first in the history of refining to produce very stringent quality hexane as a byproduct along with MS and to install the world's first top Divided Wall Column. The unit has also modified the product slate of Mumbai Refinery by moving from production of 'food grade' hexane to 'pharmaceutical' and 'polymer' grade hexane, thereby increasing BPCL's market share. It was these achievements and the journey from commissioning of the first hydrogen generation unit in 1999, to being the first woman to take charge in an operating unit at Mumbai Refinery in 2018, that helped her in clinching the award.



## Mr. Arun Kumar Singh Director (Marketing)

A Mechanical Engineer, ranked first, from NIT, Patna (Formerly Bihar College of Engg., Patna), Mr. Arun Kumar Singh has headed various senior positions in BPCL - Retail Engineering, Operations, Sales, Distribution, LPG, Pipelines and Supply Chain Optimization - in a career spanning over 33 years, including 3 years with Bharat PetroResources Limited (BPRL).

He was a key member of the Strategy team during organization restructuring, his keen acumen and vast experience underpinning many of the decisions taken during the transition phase. Post SBU formation, he took over as SIM, Sewree, followed by TM (Retail) Mumbai, making a marked difference in the basket of offerings to customers. Thereafter, in Retail Engineering, Mr. Singh was the driving force for implementing new RVI and Automation in Retail Outlets, which gave BPCL the first mover advantage and the cutting edge in the marketplace. He was also instrumental in creating the Central Procurement Office (Marketing), which he steered for almost three years, effecting many pathbreaking innovations in systems and processes geared towards transparent tendering activities.

As President (Africa and Australasia) BPRL, Mr. Singh was part of the Apex decision making body of the Mozambique, Indonesian and Australian assets and also on some important sub-committees, where he contributed towards the progress and monetization initiatives of these projects. While spearheading the LPG SBU, the SBU registered record profits and the plethora of Government initiatives were successfully implemented and duly appreciated. As Retail Head, the SBU enjoyed the market leadership position in both MS & HSD, a tribute to his foresight and strategic planning.

Mr. Singh took charge as Director (Marketing) of BPCL on 1st October, 2018. Presently, he is a Director on the Board of Bharat Gas Resources Ltd., a subsidiary of BPCL. Mr. Singh has a keen interest in listening to Indian music and is a voracious reader. His wife, Gita, is a homemaker. Their sons, Nishit and Manas, are currently working after completion of their studies.



## Mr. N. Vijayagopal Director (Finance)

A joyous personality and an astute finance professional, Mr. N. Vijayagopal has vast experience of 31 years in various facets of Finance covering Refinery/Corporate Accounts, Treasury Management, Risk Management, Taxation and Budgeting, Fund Management etc. He took over as Director (Finance) of BPCL on 17th December, 2018. He is a member of the Institute of Chartered Accountants of India and a Bachelor of Law. Before his elevation, he was holding the post of ED (Corporate Finance) and Chief Financial Officer of BPCL, where he was responsible for Corporate Accounts, Risk Management, Compliances, Statutory & Government Audit, Shared Services and Budgeting.

Mr. Vijayagopal started his career in 1987 in the erstwhile Kochi Refineries Limited (KRL). He has held various senior positions in BPCL, including its upstream and pipeline subsidiary companies and has a rich experience in handling board matters and a regulatory environment.

As the Finance head of Bharat PetroResources Limited (BPRL) from 2010 to 2013, he played a pivotal role in charting the upstream strategy of the company and making many valuable acquisitions within India and abroad. He has also served as Managing Director of our erstwhile pipeline subsidiary company, M/s. Petronet CCK Limited and was instrumental in enabling the recent merger of the company with BPCL.

He had been involved in many strategic initiatives of the Corporation like Project WIN, KR IREP and Petchem project, etc. Employing his financial and tax acumen, he has led the rearrangement with the utility vendor at Kochi Refinery under the GST regime and in another case, had proposed and driven the restructuring of Kerala turnover tax, converting the irrecoverable tax to recoverable tax, resulting in substantial savings to the Corporation. While in BPRL, he explored innovative and cheaper ways of funding and instituted a facility for raising up to US \$ 2 billion without any parent company guarantee, which won the Award of Thomson Reuters-Best Oil and Gas Deal in Middle East and Africa in 2012. Enabling sustainable value creation, pursuing growth with governance, leveraging technology, nurturing talent and fostering the culture of proactive business partnering comprise some of his priorities.

Mr. Vijayagopal hails from Aluva, Kerala and is an avid reader and soft music enthusiast. His wife, Sujaya is a homemaker. Their daughter, Vismaya, works in a private bank and is married. Their son, Vishnu, is pursuing a B.Tech. degree.

# People

## AIMA National Management Quiz 2018



**Vedhi Velayudhan and Joseph Augustine**



**Girish Periwal and Abhishek Saha**

Over 100 teams of both private and PSU companies participated in the All India Management Association (AIMA) Quiz in Bangalore, Kolkata, Mumbai and New Delhi. Two teams from BPCL qualified for the grand finale on 30.10.2018 :

- Vedhi Velayudhan, Territory Coordinator (Retail), Kozhikode and Joseph Augustine, Manager (Gas) Kochi - 1st Runner Up in Southern Region.
- Girish Periwal, Manager Finance (SS) East and Abhishek Saha, AM (Indl), Kolkata - 1st Runner Up in Eastern Region.

The finals had the sharpest young minds tackling tough questions with a copious flow of knowledge and intelligence packed in exciting rounds. Both our teams put up a good show and lost out by a few points to the winners.

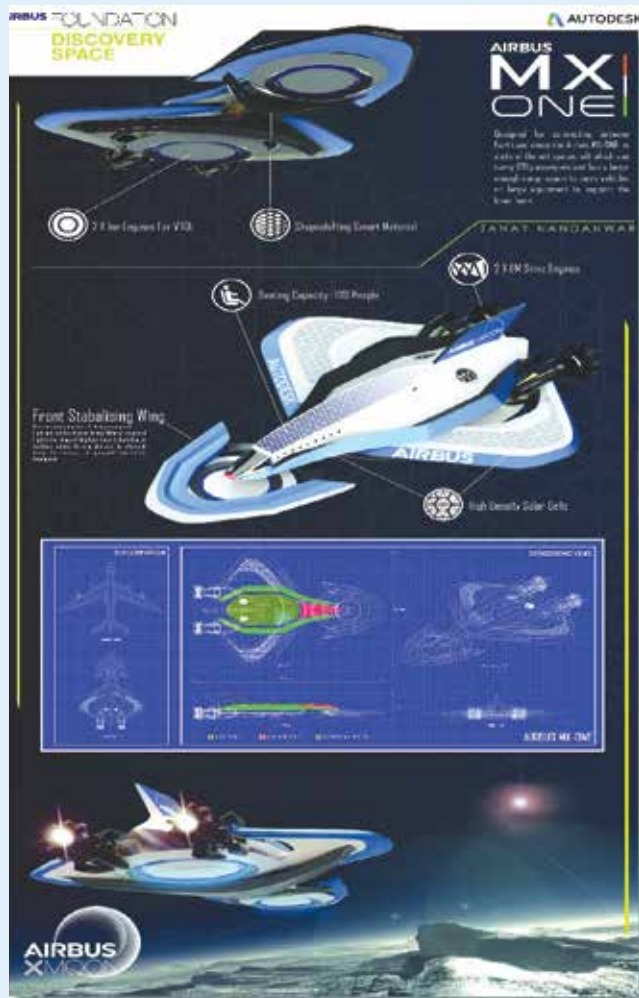
## Tanay Succeeds in Mission Moon



Tanay, 18 year old son of Dr. Makarand V Nandanwar, TC LPG Solapur made India proud by coming second in the world in the Design Innovation Challenge launched by Airbus and Autodesk. The brief was to design a spacecraft for frequent travel between the earth and the moon. The competition was held at the world level with over 700 entries from all around the globe.

Tanay's concept, called 'Airbus MX-One', featured next-gen technologies such as High-density Solar Panels, VTOL (Vertical Takeoff and Landing) capabilities via 2 Ion engines and body panels made of smart shape-shifting materials, to name a few. The spacecraft aims to take 120 passengers and large cargo to the moon. Apart from designing, candidates also had to 3D model their spacecraft using Fusion 360 Software by Autodesk.

The concept was highly appreciated for its innovation and inventiveness and was adjudged second in the age group of 18-25 years, making it the only Indian project on the podium. Tanay will be awarded prize money of US \$ 750 and a Skype interview with the judges critiquing him on design concepts. This is a rare opportunity for him to interact with world class mentors and learn from them. Tanay is pursuing Transport Design from Rubika Institute, France at their Pune campus.



## Manjunath Shet's Whistling Enthral



Mr. Manjunath Shet, who retired from BPCL as Chief Manager Corporate Brand, was the proud occupant of the hot seat of the Kaun Banega Crorepati (KBC) program hosted by Amitabh Bachchan (AB) on 24th October 2018. MV Shet, as he was popularly called, used the KBC platform to throw light on the work he's doing for Envisions Institute of Development, an NGO which works closely with UNICEF and State Health Departments in the field of public health. Shet is actively involved in conducting training programs in communication for health workers to promote routine immunization to save neonatals and children from fatal diseases. Quoting the powerful dialogues of AB from an emotional scene in the hit Hindi movie, Baghban, he requested AB to impress upon the youth to respect their parents and give them love and affection. Shet's whistling of the popular song from the AB & Jaya starrer, Abhimaan, left AB spellbound. Amitabh appreciated Shet, who used logical analysis to crack some of the difficult questions in the game, which enabled him to ultimately win a prize money of ₹12.5 lakhs in Episode no 38 of KBC season 10.

## Youphoria Corporate Photography Contest

As part of a MoP&NG HR task force, an industry wide platform - YOUPHORIA was created for engagement of Millennials of Oil PSUs. Under the YUVANTAGE initiative of this platform, a Corporate Photography competition was organized for young officers to demonstrate their creativity and photography skill. Overall 5100 photographs were received from HPCL, BPCL, IOCL, ONGC, OIL, GAIL and EIL, of which 998 were submitted by BPCL. The winners were judged by internationally acclaimed photographer, Vicky Roy based on criteria of creativity, inspirational power, technical execution, clarity and quality of submission etc. The winners were selected in two categories – Expert (top 5 photographs in each theme) and Popular (one in each theme based on maximum votes received). There were 5 winners from BPCL among the 25 winners across the industry.

S No.	Theme	Category	Employee Name	Location/ SBU
1	Culture	Expert	Indra Jeet	IS Services, Sewree
2	Culture	Expert	Tamoghna Tripathi	LPG Sales, Raiganj
3	Street	Expert	Samarjit Chowdhury	Petchem, Kochi Refinery
4	Wildlife	Expert	Nishantajit Choudhury	Retail Fleet Sales, Solapur
5	Street	Popular	Subhadeep Debnath	LPG Sales, Bhubaneshwar

**Winning photos are on the Back Cover !**

## Matilda Excels

Matilda Alva, Manager (IS GRC), Sewree participated in the Maharashtra State Masters Open Athletic Meet – 2018 on 4th November 2018 at Mumbai University Sports Pavilion, Mumbai and won 3 Silver Medals in the 50+ Women's Category in the 100 metres, Long Jump and Triple Jump events. Matilda had also won the Best Women Athlete Trophy for 2 consecutive years in the Inter Region Athletics Meet organized by BPCL in 2008 at Pune and 2009 at Bhubaneshwar. She recently won Gold Medals for the Relay events (4x400m and 4x100m) for Women 50+ in the India Masters Athletics held at Nashik.



## Affairs of the Heart


**Hello. I am your heart.**

I beat 100,000 times a day and 36 m times a year.

With each beat, I pump approx. 200 ml of blood at the rate of 80 beats a min.

I send 4 to 6 liters of blood a distance of 100,000 km through your vessel system at the rate of 1,440 times a day.

**Please take good care of me and celebrate World Heart Day on 29 September.**



To commemorate World Heart Day, HRS (West) in association with Fortis Hospital Mulund, organised a health talk by Dr. Atul Limaye MD (USA) MRCP (UK) on 'Prevention of Heart Disease' at Sewree on 27.9.2018.

## Shreya Scintillates !



Shreya, daughter of S. Sanjay, Chief Manager (E&C)-BBA, Kochi Refinery secured All India Rank 263 in IITJEE Advanced and has joined Computer Science in IIT Delhi. She also got 97.8% in her 12th CBSC board, a score of 425/450 in BITSAT, stood 11th in her KEAM Entrance exam. and was selected for NTSE and KVPY scholarships. She was first in the state for the Mathematics Olympiad has gone up to the international level finals for the Spelling Bee competition conducted in Malaysia. A Bharatanatyam dancer, she has performed for new year celebrations and other events. She has also taken part in painting, debates, quiz and various other competitions winning prizes regularly. She has played volleyball at the school and college level.

## Clean and Green is his Mission



In line with Government's Swachh Bharat Mission & Namami Gange Program, Nrapendra Singh, Manager Ops. (LPG), Allahabad regularly conducts clean up drives at Sangam – Confluence of Ganges & Yamuna. During these visits, he collects bagfuls of garbage from the river banks and also creates awareness among the boatmen & devotees to refrain from polluting the rivers.

## Resolutions

*Come 1st January, every year we make them  
As yet another New Year on us dawns  
With a hope and determination to keep them  
Our best efforts we put on.*

*We focus all our attention  
We strive with conviction and direction  
We set a goal, we seek to feel whole  
To complete well the task in question.*

*We resolve to do our best  
To work hard and achieve success  
To exercise more, to eat healthy  
To be punctual, to learn and grow  
To be better than the year before.*

*However, often along the way  
We lose ourselves, we go astray  
We'd rather quit, it's easy to pack  
Instead let's give ourselves a much needed whack  
And stick to the task, come what may  
Else our unfulfilled dreams is the price we'd pay  
We must display the courage we lack  
Get back at once...get back on track.*

*New heights of achievement we'll scale  
As we fulfil our resolutions, not break them  
And earn our pride of place, in our own eyes  
As we compete with ourselves.*

*We'll end the year on a happy note  
We've learnt and grown and experienced wellbeing  
Mindful of the opportunities that we have seen  
Faced the challenges that struck at our core  
Glad that we accomplished something more.*

**Sharon Pires, LPG-WR**





## Mr. Damien Gracious K. D.

After completing his graduation in Mechanical Engg. from Govt. Engineering Collge, Thrissur, Mr. Damien joined the then CRL as an Engineer Trainee in September 1981. CRL was expanding its capacity to 4.5 MMTPA and adding the FCC unit at that time. He was then posted to Inspection & Safety after working in the service departments of the refinery like Maintenance, Materials Management, etc. in various roles and capacities. Later, he headed Advisory Services, Procurement & Contract Services, Power & Utilities and Fire & Safety before being assigned as Chief General Manager (HSE), Kochi Refinery in 2017. He retired from this post in November 2018. He was associated in the implementation of ISO:9001, Asset Integrity Management System, e-work permit, Behaviour Based Safety (BBS), etc. as well as the various refinery expansion and modernization projects including the IREP. He adds, "Kochi Refinery gave me freedom at work and encouragement for learning and experimentation. BPCL has also provided opportunities to learn through work and interaction with experts in various fields and statutory authorities. Working at BPCL has been quite enriching and gratifying. I remember all my seniors with gratitude for providing me with the right learning atmosphere, guidance and opportunities to enhance my professional and technical approach and caliber." His wife, Rani is a homemaker and is interested in painting. Their daughter, Gitanjali, is a B.Tech. / PGDM, married to Anoop Stanley and is working with an MNC in Gurgaon. They are blessed with a son. Their son, Arun is a B.Tech/ MSc and is currently working in the Netherlands.



## Mr. G. Sivaprakasam

Having joined the erstwhile CRL in February 1988, Mr. G. Sivaprakasam worked in various departments like Finance, OM&S, Projects, Technical, Director (Refineries)'s Office and GM(I/C)'s Office. In 2006, he was posted to Procurement & Contract Services, handling Miscellaneous Contracts, Fire & Safety, Maintenance and Instrumentation. As he says, "I always believe, one's attitude determines one's altitude in life! Life is a series of variegated experiences. Everyone will have ups and downs in the journey of life. If one understands - Who am I ? Why was I born ? - one can easily overcome any situation and lead a comfortable, meaningful & peaceful life. If we do our duty sincerely and honestly without any expectation, Almighty God will take care of the rest, as quoted in the Bhagawat Gita ! My kind advice to all youngsters – accept and face any challenges & take responsibility ! Be positive and do the best!" He retired as Sr Manager (Procurement & Contract Services), Kochi Refinery on 31.8.2018. His wife, Malar is a commerce graduate and housewife. Their son, Vignesh is a Chemical Engineer from NIT, Warangal and works in BPCL. He is married to Gayathri, a Software Engineer in CTS. Their daughter, Niranjana is also a Software Engineer in M/s. Oracle, Trivandrum. His hobbies are reading spiritual books, meditation, listening to music, travel, etc.



## Mr. Osburg D'Souza

Osburg's first appointment was with the Taxation Dept. in January 1983. He considers it to be an enriching and interesting experience. His next posting was as Personal Assistant to DGM (Credit & Area Accounts), coordinating with the Regions for Credit, Payroll & Retirement Benefits at HQ level. After a long stint with Treasury, he then moved to Finance (WR), coordinating for Housing and Tender files (his boss being the signatory, it was a change of communicating with Divisions falling under the purview of WR). In 1996, he worked for CGM (Finance), Retail HQ where he brought out the best of his capabilities and retired in October 2018. He states, "It has been a different work rapport with bosses, requiring me to adapt, accept and understand each of them. Most importantly, BPCL took exceptional care at levels of work, personal and financial. It is my prayer that the Company scales from heights to heights, brilliantly radiating streaks of success at the helm always. Travel, gardening and cooking are my dreams to be accomplished."



### **Mr. V. Badrinath**

Mr. Badrinath joined BPCL on 1/12/1983 in Chennai as Audit Officer. As he states, “BPCL provided a wide range of exposure in Internal Audit, Management Accounts, Inter Company Settlements, Stock Accounting, Inventory Valuation, Finance Northern Region, Retail HQ and Region, ERP CC, BORL and Taxation. This gave me tremendous knowledge and experience.

There were several milestones achieved, the most important ones being stock reconciliation in the legacy system before moving to ERP environment, deputation to BORL and establishing the process from project mode to manufacturing and implementation of GST on 1st July 2017.

At the end of this exciting BPCL journey, I leave with a deep sense of satisfaction and carry with me fond memories, strong relationships and lots of friendships. My hobbies are mainly travelling and reading. My wife Uma, daughter Preethi and son Prashanth join me in thanking each and every one and pray for the tremendous growth of this great organization.” He superannuated as GM Finance (Taxation) in October 2018.



### **Mr. Romeo James**

Mr. James joined BPCL on 3.11.1987 at ECE House Delhi as a sports person and played for the BPCL Hockey team till 1993. From 1993 to 2008, he was the Coach of the BPCL Team, which won most of the All Indian premier tournaments and boasted of being one of the top Hockey Teams on the Indian Circuit. Our BPCL Team contributed to the Indian National Hockey Team about 20 players during this period. He also had the privilege of coaching the Indian Hockey Team for three stints from 1993 to 1994, 2005 to 2006 and 2008 to 2011, which included the World Cup, two Asian Games, Commonwealth Games and various international tournaments. He was also the Coach of the winning Indian Junior team when they won the Junior World Cup 2016. He adds, “All this would not have been possible without the support and backing of the Senior Management of BPCL who gave me opportunities to pursue my passion for sports.” He was awarded the Dhyan Chand Award by the President of India in 2015. He superannuated as Sr. Manager Fleet Sales (Retail), North in September 2018. After retirement, he intends playing golf, swimming and coaching the younger generation.

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### **Ms. Theresa Mukherjee**

After her Master’s Degree in Sociology from Nagpur University, Theresa had stints in companies like Avery India and Johnson & Johnson, before joining BPCL in Personnel in 1984. Here she handled recruitment for Management staff, housing loan & scholarships. In 1991, she was posted in Cables (Oilcomnet /telex) and in 1993, she was transferred back to

HRD, with a portfolio of transfers, postings, PMS, SAP, Disciplinary/Vigilance cases, resignations, Ideas etc. In 2012, she took over as Secretary to ED (HSSE) at Sewree and in 2017, she worked for ED (HSSE & Biofuels) till her retirement in October 2018. She says, “I have some very beautiful memories of working with so many knowledgeable people from different backgrounds, experience and culture which made my journey enjoyable.” Her husband was working as Branch Manager for National Rubber Mfrs. Ltd./Incheck Tyres when they met. They enjoyed 30 years of marriage before he passed away in 2012. Her son, Samron Jude is a musician - the Vocalist of his own heavy metal band, System house 33, which has toured USA and Europe. He is also a guitarist and producer of the Electronic rock band, Paratra. Samron and his wife, Mariel (photographer) have their own advertising company, Mediastinct. They are both animal lovers, helping street animals through Great Indian Street Dog and Great Indian Street Cat (NGOs). Her daughter, Nivedita has done her Masters in Health, Safety and Environment from Sunderland University, UK and is a passionate HSE Practitioner with over 7 years of experience in Qatar, Brunei and UK. Recently married, she will be settling down in Wales.



## Mr. Shashi Mahindrakar

His journey in BPCL started on 8th October 1982 in the Project Cell of Mumbai Refinery, when the Secondary Processing Unit was under construction. Subsequently, he worked as Staff Officer looking after the Non-Management Canteen and staff benefit claims, followed by Sr. Operations Officer at TDU. In 1993, he moved to Marketing and worked in S&D and Corporate HRS (Sports). In 2007, he was posted to HRS (West) looking after Guest Relations and Admin. Services. In April 2014, he took over as Chief Manager (Admin Services) West, a position he retired from in September 2018. His hobbies include playing Badminton, listening to music and exploring new cultures. He has represented BPCL in PSPB Badminton Tournaments. His wife, Sheetal works with MTNL and has been a pillar of support throughout his career. Their son, Ankeet, is a Bachelor of Computer Engineering from Mumbai University and an MBA in Marketing from SP Jain, currently working with Accenture Strategy in the CFO and Enterprise Value practice. Their daughter-in-law, Meenakshi is a B.Sc. from Delhi University and an MBA in Finance from Symbiosis International University. She currently works with Ernst & Young in the Financial Risk Advisory.



## Mr. S. Anujan

A graduate in Chemical Engg. from Govt. Engg. College, Thrissur, Mr. Anujan joined CRL in 1981 as an Engineering Trainee, inducted for commissioning the FCC Unit. In his long career, he was transferred to most of the departments of Kochi Refinery (including HR). He also had four assignments to Delhi including to Ministry of Petroleum, Dept. of Public Enterprises (MoU cell) and to EIL. He was posted to Corporate Planning, Process Optimisation and Oil Economics, where he was involved in preparation of the first Corporate Plan document of CRL, configuration of the first DCS, and installation of the first DMC controller in KR. He retired as GM (Training IREP) in September 2018.

His hobbies include trekking, bird watching, star watching, Carnatic music and photography. His favorite travel destination is Garhwal Himalayas and he has visited the Badrinath shrine at the Indo-Tibetan Border nine times. He has trekked to Kedarnath, Valley of Flowers and the south side of Annapoorna ranges in Nepal. He was a regular member of the college Cricket team and was also selected to represent Cochin University in cricket. In college, he was also a member of the team for badminton and lawn tennis.

Besides being a recipient of the 'Award of Excellence' of KR in 2003, four of his training videos were selected in the top 10 learning videos of BPCL in 2017. He is currently pursuing a few online courses with IIT Madras under NPTEL. Mr. Anujan hails from the Royal Family of Cochin; his father was a Chartered Accountant and mother was a school teacher. His wife, Prasanna Varma, a homemaker, is into translation of English literary works into Malayalam and her translation work, 'The Ivory Throne' (original by Manu S Pillai) was published by DC books in 2017. Prasanna has done the 28 day trek of Kailas Mansarovar in 2014, the Everest Base camp trek in 2017 and Mount Kilimanjaro in 2018. Their daughter, Krishna, did the 5 year integrated BS/MS from IISER Pune. She is currently doing her PhD in Ecology, Environment and Evolutionary Biology at Columbia University, New York.



## Mr. Gouri Prasad Tata

Having joined this Corporation on 21/10/1983 in the erstwhile EDP Dept. at CO, he then worked in ADM Set-up, Maker Towers, Vigilance and Internal Audit. Thereafter, he was posted in Secunderabad Divisional Office, Vizag Divisional Office, Kondapalli TOP, Ongole Depot and from 2002 onwards, he was in Hyderabad Retail Territory. He finally retired as Assistant Manager (Retail) ARB, Hyderabad in October 2018.



## Mr. Bharat Bhushan Darnal

After graduation from St. Xavier's Calcutta, Mr. Darnal worked for a short while before joining BPCL on 4th May 1981 at Calcutta. Later, he completed his PG diploma in Management. He worked at Budge Budge, Dhanbad, Maurigram, Sambalpur, Calcutta Area office, Calcutta division, Mumbai LPG division, Uran, Piyala and finally, LPG HQ. He avers, "BPCL has played a greater role in my life and whatever I am today and whatever I have it's because of BPCL. I was fortunate to have received training under Burmah Shell people. The two value system which they taught was that "learning never ends" and "care for others". "You are the face of the company" created a deep impact in my life and has helped me in dealing with various issues. The journey has been wonderful and every posting has been a great learning for me, which also gave me the opportunity to make many friends. I had the opportunity to have worked with great stalwarts like Mr. S. Behuria, Mr. Radhakrishnan, late Mr. S.Ramesh, Mr. K.K. Gupta, Mr. George Paul and now Mr. Arun Singh, Mr. Natekar and Mr. I.S. Rao. The support and direction from the late Mr. J.M. Oza provided great confidence. I had excellent bosses who imposed full trust and confidence in me and my colleagues have been ever supporting. I was able to handle the critical cases effectively in LPG HQ and Mr. Ramadurai guided me in RTI. When I look back, a sense of great satisfaction sets in for having been surrounded by wonderful people and I find myself highly enriched with such lovely memories at the end of this wonderful journey. I am involved in providing accommodation for cancer patients who come for treatment at Tata Hospital. My plan is to conduct workshops, sessions to inspire and motivate people and make them better human beings." He finally retired as DGM (Complaint Redressal) HQ, LPG in November 2018.



## Mr. Rajeev Sharma

In a career spanning 36 years, Mr. Sharma worked 18 years in Operations, 10 years in Marketing, 7 years in RO and one year in HQ. As he says, "I thoroughly enjoyed my journey and created a disciplined work culture wherever I worked. Being very fond of nature, I left a long lasting impression at all the Plants by converting available vacant land to high quality greenery. Accreditation of Jaipur Plant with ISO 9002, the first plant in Oil Industry to get this honour, hosting of the World LP Gas Forum delegates' visit to Piyala, successful display of RMV operations to African officials at Lalru Plant, transforming beaten down plants to performing ones, creating Nil suspense locations (rare in early 2000), procurement of land for Ajmer and Bikaner plants were some of my achievements that I am really proud of. I got tremendous support from my subordinates and peers, that helped me to deliver all the above." He superannuated as Head, Distributorship Selection Cell, Noida in November 2018. He intends spending his time in doing something associated with nature. He has keen interest in the share market also. His wife was in teaching earlier but is now a homemaker. Of their two daughters, one has completed Hotel Management and the younger one is pursuing her MBA degree from Amity University, Noida.



## Mr. Dason Joseph

In 1982, Mr. Joseph started his career in BPCL in Product Accounts, CO, then moved to Refinery Accounts Bills, Trivandrum LPG Plant and Depot in 1995, where certification of PFS was achieved. Next at Karur Installation, certification of PFS and Model Location and many accolades on Environment and Safety, including two consecutive Chairman's Awards for Green Location and All India No. 1 HSE Location were received during 2004-2011. Chairman's Award for All India No.1 HSSE Location and HR Pinnacle Award was then received at his next posting at Cherlapally Installation in 2012-13. Standards of both OSTs at Madurai were enhanced making them the "Pride of BPCL" and "Paradise of Customers" for fueling, professionalized service standards and 10 kadam. Numerous training programs imparted to thousands of PCV Crew, Contract workmen, Dealers, Transporters, I&C Customers, Company Staff, Management Trainees, School, College and Engineering Students spread the operations and safety culture being practiced in the company. He retired as Manager OSTs (Retail) BP-Madurai in August 2018. He has two daughters and one son who are all married. He also has two grandsons and two granddaughters.



# Slimming Tips

*Strengthen your body, mind 'n' spirit, and shine on!*



## Start Smart

Begin lunch and dinner with a veggie-rich salad or broth based soup. That lets you fill up first on a big volume of low calorie food.

## Sneak a Snack

10 minutes before each meal, eat some healthy fat (around 70 calories or fewer): a handful of nuts, a few slices of avocado, or a spoonful of peanut butter. That helps activate ghrelin, a hormone that lets you know you're full.

## Try the 3 – Hour Rule

The secret to losing weight comes down to keeping your metabolism alive and active. How do you do that? By eating every three hours, give or take 10 to 20 minutes, which translates to three moderate meals with three snacks (100 calories each) between meals. It can keep your blood sugar level steady, your energy up, and keep you from over-indulging.

## Have Liquid Assets

If you're going to drink anything with calories (i.e. fruit juice, soda, sweetened coffee and tea, alcohol), you need to consciously adjust your diet to accommodate those extra calories. And if you want to replace sweetened drinks with their calorie-free counterparts, rethink it. Some research suggests that people who drink no or low-calorie drinks might actually end up eating more. The best thirst quencher - and a dieter's best friend - is still plain old H<sub>2</sub>O.

## Cut Out This Combo

Skip those munchies made with white flour and sugar, like white bread, cookies and pretzels. They signal the body to produce more insulin and set the stage for turning calories to fat.

## Pare Portions

Everything from beverages to sandwiches is two to five times bigger today. So if you grab a sandwich or eat out, chances are you'll be served double of what you need; so cut the amount you eat in half.

## Choose Your Pals

Most of us base how much we eat on what others around us eat. So steer clear of the big eaters in your social circle.

## Be an Early Bird

Eat the most food earlier in the day. Many dieters try to trim calories from their breakfast and lunch and then get hungry. Research shows the calories you eat earlier in the day help you eat less at night – a good idea since you probably won't be active after an evening meal.

## Step It Up

Start walking. To keep the weight off forever, the goal is to take 11,000 to 12,000 steps (around 90 minutes) a day. You don't need to do it all at once. Start with 2,000 steps a day or about 15 minutes of walking. Add another 5 minutes (500 steps) each week. There are lots of other sneaky little ways to add more steps to your day, too : Use a cordless phone and walk while you talk, or get up and walk during TV commercials.



## Think Thin

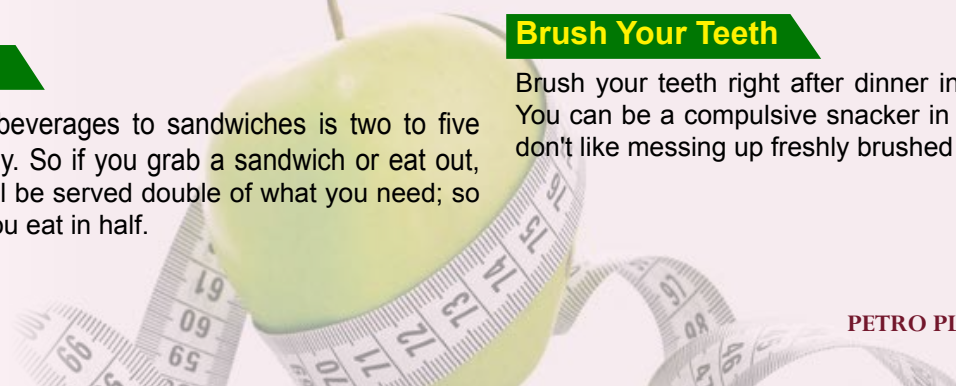
Seeing is believing. You have to picture yourself thin if you want to become thin. Visualize what you're wearing, where you are, who you are with, and how you feel. The more vivid the picture, the more real it will feel to you and the more likely it will take form.

## Fill Up On Fibre

Crowd out calorie-dense foods by ratcheting up on fruits and veggies. Start by eating one more serving of fruit and one more vegetable a day. Hitting that mid-afternoon slump? Reach for carrots - the carbs will give you a lift. Not only does munching on nature's bounty become a good habit, but it'll also help you tap into dozens of disease-fighting phytochemicals and vitamins. The biggest fibre bulker-upper: Beans. Just a cup of black beans nets you nearly 15 grams of filling fibre.

## Brush Your Teeth

Brush your teeth right after dinner instead of at bedtime. You can be a compulsive snacker in the evening, but you don't like messing up freshly brushed teeth.



# Family



## Family Traditions

There is a reason we have holidays and traditions that span generations and millennia—these habits and rituals give our lives meaning and connect us to our roots and loved ones. Traditions can also be useful tools in scheduling time together that is not frittered away by homework and electronics. If you have cherished family traditions, invest in making those a central part of your family's weekly routine or invent your own rituals and put energy into making them special.

Traditions help in binding a family together; they also strengthen the ties in society and cement bonds that stand the test of time. Dates, occasions or rituals may be personal to your family, and they are observed/celebrated in the traditions handed down through the years. Research has found that having family traditions can be a healthy and beneficial experience for family members of all ages.

**Families are the compass that guides us. They are the inspiration to reach great heights, and our comfort when we occasionally falter.**

### Here are some of the things we love about family traditions:

- **They give us a chance to reconnect**

Busy lives mean we don't often get to see friends and family as often as we'd like. But traditions bring us together. Whether it's an annual summer barbecue or a festive get-together, knowing that an occasion is coming up is a great reason to meet up with loved ones.

- **They build links between the generations**

Long-standing family traditions are a great way to bring different generations together. Children can meet their older relatives and everyone benefits from

the feeling of being part of a unit. Even when older family members have passed away, looking back over the years and celebrating past traditions can help you feel close to those you have lost.

- **They give us a sense of belonging**

If you've moved away from home or travel regularly with work, coming back to your hometown or just back with old friends and family can help give you a sense of belonging and peace in an otherwise stressful life.

- **Traditions are fun**

It's often easy to feel that the day-to-day chores and commitments leave little time for socialising. This is why so many friends and family members drift apart. But traditions remind us to enjoy life and have fun together. Create traditions that everyone will enjoy - they should be something to look forward to, not something that feels like a duty.

- **How to create new traditions**

Of course, every tradition has a starting point. So, if you don't have any family traditions yet, don't worry. It's easy to build them. And within a couple of years, everyone will start to view them as a tradition that will then continue into the future. Find fun things that you all enjoy doing together, then set a regular date to continue in the coming years.

Remember to document your family events. Looking back on family photos or mementos of past experiences can really help strengthen traditions. Keep family heirlooms safe and remember to let the younger generations know where to find special items or records.

### Reluctant to join in?

When you are young, you might feel that family traditions are a bit of a bore - perhaps you'd rather be with your friends than at a party full of older relatives. But be patient, play your part and you'll reap the rewards later in life. As you get older, you'll find you appreciate family traditions more and more. But equally, if you're the organiser of a family event and you find people are not as enthusiastic about maintaining the tradition as you hoped, perhaps it's time to let go and find another way to appreciate one another.



## Kitchen Safety Rules



- Always wash your hands before and after handling food.
- Tie back long hair.
- Wear an apron and roll up your sleeves.
- Keep food preparation surfaces clean.
- Wash fruit and vegetables under cold water before use.



- Always ask an adult before handling knives or going near hot things.
- Handle knives and other sharp equipment with care.



- When using a knife, always cut away from yourself or downwards on a chopping board to avoid cutting yourself.



- Turn handles of saucepans away from the front of the stove when cooking.
- Use oven mitts when taking hot dishes from the oven or microwave.



- Do not run around the room where food is being prepared.
- Wipe up food spills immediately.

- Store food appropriately in sealed containers. Always keep raw meat away from cooked meat at the bottom of the fridge.
- Wash kitchen and eating utensils after use in hot soapy water.



## नगर राजभाषा कार्यान्वयन समिति



नगर राजभाषा कार्यान्वयन समिति नोएडा की 37वीं बैठक में भारत पेट्रोलियम नोएडा क्षेत्रीय कार्यालय को हिन्दी कार्यान्वयन के उत्कृष्ट कार्य के लिए वर्ष 2017-18 का द्वितीय पुरस्कार प्राप्त हुआ जिसे श्री उपेन्द्र मिश्र, मुख्य प्रबन्धक (राजभाषा) ने ग्रहण किया। सभी ने जोरदार करतल ध्वनि से स्वागत किया। नराकास की पत्रिका नोएडा स्वर का प्रथम संस्करण वर्ष 2018-19 का भी विमोचन किया गया। इस पत्रिका के प्रधान संपादक मुख्य प्रबन्धक (राजभाषा) थे। यह हमारी कम्पनी के लिए गौरव की बात है। श्री अरुण कुमार सिंह जी, निदेशक विपणन ने इसकी सूचना पढ़कर पहले ही बधाई दी। इससे हमारे स्टाफ का हौसला बढ़ा।

## सीएसआर मेला - एक नई शुरुआत



सेक्टर-1, नोएडा में सीएसआर मेला आयोजित किया गया जिसका उद्घाटन श्री वाई के गुप्ता महाप्रबंधक (रिटेल) उत्तर क्षेत्र और श्री ललित वत्स, महाप्रबंधक (मासंसे), उत्तर क्षेत्र ने किया। इस मेले में तकरीबन 22 एनजीओ ने भाग लिया, जो शिक्षा, स्वच्छता, स्वास्थ्य, कौशल विकास, जल संरक्षण, पर्यावरण संरक्षण आदि में कार्यरत है। मेले में पर्यावरण अनुकूल सामानों की प्रदर्शनी लगाई गई थी। सीएसआर का उद्देश्य था लोगों में समाज के उत्थान व पर्यावरण संरक्षण के प्रति लोगों को प्रोत्साहित करना।

## स्वस्थ रसोई

“खाना जरूरी है, लेकिन अक्लमंदी से खाना एक कला है” आरोग्य मास के उपलब्ध में पूर्वी क्षेत्रीय कार्यालय के कर्मचारियों के लिए आरोग्यदायक व्यंजन प्रतियोगिता आयोजित की गई। प्रतियोगिता का विषय था ऐसा व्यंजन बनाना जो न केवल स्वादिष्ट, बल्कि पौष्टिक भी हो। कर्मचारियों ने बड़े उत्साहपूर्वक प्रतियोगिता में हिस्सा लिया जिसके निर्णायक थे अपोलो ग्लेनइगल्स अस्पताल कोलकाता के वरिष्ठ आहार विशेषज्ञ और ताज गेटवे, कोलकाता के वरिष्ठ रसोईया। कोलकाता एलपीजी क्षेत्र के सहयोग से इस कार्यक्रम का सफलतापूर्वक आयोजन किया गया।





# करनूल एलपीजी संयंत्र राजभाषा पुरस्कार से सम्मानित

नगर राजभाषा कार्यान्वयन समिति करनूल द्वारा करनूल एलपीजी को गृह मंत्रालय भारत सरकार, राजभाषा विभाग के उप निदेशक द्वारा वर्ष 2017-18 के दौरान उत्कृष्ट राजभाषा कार्यान्वयन हेतु प्रथम पुरस्कार प्रदान किया गया। श्री जिरोनेकर, वरिष्ठ प्रबंधक ने पुरस्कार ग्रहण किया।



## उद्गम कार्यक्रम 2018



भारत पेट्रोलियम, मूल्यों और विशिष्ट संस्कृति का एक प्रतीक है जिस कारण से यह संगठन सभी कर्मचारियों के लिए अनूठा एवं प्रिय है। अपनी इस गौरवशाली विरासत को आगे बढ़ाते हुए गत वर्ष की भाँति इस वर्ष भी उद्गम कार्यक्रम का आयोजन किया गया जिसका उद्देश्य सेवानिवृत्त कर्मचारियों की मेडिकल, पेंशन एवं अन्य समस्याओं के बारे में उनसे वार्तालाप करना-उनके दिलों तक पहुंचना, उनकी समस्याओं को सुलझाना और मार्गदर्शन करना था। इसी उद्गम श्रृंखला को आगे बढ़ाते हुए नोएडा क्षेत्रीय कार्यालय के एचआरएस विभाग ने इस वर्ष भी पिछले वर्ष की भाँति 8 सितम्बर को उद्गम कार्यक्रम का आयोजन किया जिसमें सेवानिवृत्त मैनेजमेंट के लगभग 100 कर्मचारियों ने और नॉन-मैनेजमेंट के लगभग 125 कर्मचारियों ने सक्रिय रूप से भाग लिया। प्रेरणावर्धक वार्ता-बीपीसीएल स्टाफ एवं विश्व ओलंपिक विजेता श्री जोबी मेथुस ने प्रेरणावर्धक टॉक शो किया जिसमें उन्होंने स्टाफ को अपनी जिंदगी के अनुभव और अथक प्रयास से की गई उपलब्धियों के विषय में बातचीत की। उन्होंने सभी को प्रेरित किया कि यदि आप मन में ठान लें तो कुछ भी असंभव नहीं है। इस मौके पर स्वामी श्री हर्षानंद जी ने सभी को योगा का नया रूप सिखाया।

# सुरक्षा

## अग्निसुरक्षा प्रशिक्षण



पीएनजीआरबी के मार्गदर्शन में आपात आपदा प्रबंधन योजना के अनुरूप शिवड़ी वड़ाला तेल संकुल में ऑफ-साइट मॉक ड्रिल आयोजित किया गया। ऑफ-साइट ड्रिल लेवल-3 आपात स्थिति या दुर्घटना होती है जिसका दुष्प्रभाव भारी तौर पर स्थल से परे होता है। इसका प्रभाव विनाशकारी होता है जिससे संस्थापन के भीतर और बाहर आबादी, सम्पत्ति तथा पर्यावरण की भयावह हानि होती है। इनका प्रबंधन व नियंत्रण जिला प्रशासन द्वारा किया जाता है। सम्पूर्ण ड्रिल सुचारु ढंग से सम्पन्न हुआ। वरिष्ठ प्रबंधक एचएसएसई श्री प्रमोद वेढेकर और श्री कुण्डु प्रकाश ने मार्ग (म्युच्युअल एंड रिस्पॉंस ग्रुप) सदस्यों के साथ समन्वय करते हुए ड्रिल का सफलतापूर्वक आयोजन किया।

## ऑफ-साइट आपात ड्रिल

हैदराबाद एलपीजी संयंत्र में अग्नि अधिकारियों के औद्योगिक निरीक्षण और प्रशिक्षण का आयोजन किया गया जिसमें तेलंगाना राज्य के विभिन्न जिलों से अनेक अधिकारी उपस्थित थे। यह कार्यक्रम अग्नि अधिकारियों के लिए बहुत ही उपयोगी रहा और उन्होंने बीपीसीएल प्रबंधन द्वारा किए गए पहल की सराहना की।

## चेर्लापल्ली एलपीजी प्लांट में मॉक ड्रिल



चेर्लापल्ली एलपीजी प्लांट में एक ऐसा परिदृश्य बनाया गया जिसमें एक बल्क लॉरी जिसमें बम लगा हुआ है और वह संयंत्र में प्रवेश कर लेती है एवं इसके बाद उस बम को कैसे निष्क्रिय करें, उसका प्रशिक्षण दिया गया। यह कार्यक्रम श्री जनार्दन, एसीपी (बम डिटेक्शन स्कवॉड),

राचाकोंडा (हैदराबाद) पुलिस के मार्गदर्शन में आयोजित किया गया। एचपीसीएल, आईओसी, बीपीसीएल एवं गेल के आपसी सहायता के सदस्यों ने इस मॉक ड्रिल में भाग लिया।

## नायक बनें - जीवन बचाएं



उरण एलपीजी टर्मिनल में प्रथमोपचार प्रशिक्षण आयोजित किया गया जिसमें मेसर्स स्वास्थ्य की डॉ. अल्पना कुरूप ने मार्गदर्शन किया। प्रशिक्षण के आरंभ में सुरक्षा शपथ ली गई और फिर अन्य विषयों पर प्रकाश डाला गया। सीपीआर प्रशिक्षण पर अधिक जोर दिया

गया। श्री विलास पाठराबे, टर्मिनल प्रबंधक ने कार्यक्रम की समीक्षा की और सुझाव दिए। इस प्रशिक्षण में सभी विभागों के कुल 19 प्रतिभागियों ने हिस्सा लिया। अंत में श्री शरद कांबले, प्रबंधक एचएसएसई ने आभार प्रकट किया।

## पुणे एलपीजी संयंत्र में डीसीएमपी ड्रिल



निगमित एचएसएसई श्री संजीव अग्रवाल तथा उप महाप्रबंधक परियोजना एवं एचएसएसई पश्चिम क्षेत्र श्री सी. वी. रविकुमार की उपस्थिति में पुणे एलपीजी संयंत्र में ईआरडीएमपी मॉक ड्रिल आयोजित किया गया। श्री विलास घोगरे, उप निदेशक, औद्योगिक सुरक्षा एवं स्वास्थ्य पुणे तथा एनआरडीएफ 5 वीं बटालियन टी की निगरानी

में आयोजित मॉक ड्रिल में पुणे टीम ने आपदा स्थिति से निपटने में अपनी तैयारी दर्शाई। मॉक ड्रिल सुचारू ढंग से सम्पन्न हुआ, जिसके पश्चात उपस्थित दिग्गजों ने अग्निशमन एवं बचाव तकनीकों में किए जानेवाले सुधारों के बारे में मार्गदर्शन किया। श्री गोपाल हटकर (टीसी एलपीजी पुणे) के आभार प्रदर्शन के साथ ही कार्यक्रम समाप्त हुआ।

## कोच्चि रिफाइनरी का “अभियान पहुँच”



इस मानसून की गंभीर बाढ़ ने एर्नाकुलम के दो पड़ोसी जिलों कोट्टायम एवं आलाप्पुषा को अपंग कर दिया। बीपीसीएल कोच्चि रिफाइनरी ने तुरंत बाढ़ राहत शिविरों में वितरण के लिए जिला प्रशासन को पोषण किट सौंपे, इसके अलावा रिफाइनरी कर्मचारियों ने भी अपना योगदान दिया। जयेश शाह, कार्यपालक निदेशक (मानव संसाधन, कोच्चि रिफाइनरी) द्वारा दो दिनों के रीच आउट अभियान के तहत आवश्यक भोजन, कपड़े एवं दवाइयों की 500 रुपये वाली किट प्रदान की गई।

शाम को श्री जॉर्ज थॉमस, महाप्रबंधक (पीआर एवं एडमिन) ने कोच्चि रिफाइनरी के सीएसआर स्वयंसेवकों के साथ जिला प्रशासन प्रतिनिधियों को राहत किट से भरा एक ट्रक सौंपा। हम प्रार्थना करते हैं कि विभिन्न बाढ़ राहत शिविरों में फंसे हजारों युवाओं, बुढ़ों एवं बच्चों का जीवन शीघ्र सामान्य हो जाए।

लगातार आगे बढ़ने के लिये यह जरूरी है कि हम निरंतर अपने लक्ष्य और बड़े करते जाएँ



डॉ. राम बरन यादव,  
बिक्री सहायक रिटेल, इन्डोर

ऊर्जा के परम्परागत स्रोतों का भण्डार समाप्त होने, पर्यावरण और प्राकृतिक संतुलन बनाये रखने के लिए हमारे वैज्ञानिक निरन्तर विकल्पों की तलाश में लगे रहते हैं। पेट्रोल-डीजल के सीमित भण्डार भी कुछ दशकों के बाद समाप्त होने वाले हैं। इनके विकल्प के रूप में सस्ते, सुविधाजनक इलेक्ट्रिक वाहनों के अनुसंधान पर सभी देशों की सरकारें विचार कर रही हैं। हमारे देश में भी इस दिशा में कई ठोस कदम उठाये जा रहे हैं। सरकार का लक्ष्य है कि वर्ष 2020 तक देश में बड़ी संख्या में इलेक्ट्रिक मोटरसाइकिल, स्कूटर और कारें लान्च की जायें।

20 सितम्बर, 2017 को भारतीय ऑटोमोबाइल निर्माता कम्पनियों के संगठन सोसायटी ऑफ ऑटोमोबाइल मैनुफैक्चरर्स (सियाम) के वार्षिक सम्मेलन में केन्द्रीय परिवहन मंत्री नितिन गडकरी ने साफतौर पर कहा कि ऑटोमोबाइल कम्पनियों को अब पेट्रोल और डीजल की जगह दूसरे ईंधन पर आधारित वाहनों का निर्माण करना होगा। उन्होंने कहा कि जल्द ही सरकार एक पॉलिसी लेकर आ रही है जिसमें इलेक्ट्रिक वाहनों को ज्यादा तवज्जो दी जाएगी। उन्होंने कहा कि सरकार इस काम को करने के लिए कटिबद्ध है और प्रदूषण में कमी इसी वजह से लायी जा सकती है।

सरकार द्वारा वाहनों पर टैक्स में बढ़ोत्तरी करने के बाद भी इनकी बिक्री में कोई कमी नहीं देखी गयी है। ऑकड़ों का जायजा लिया जाये तो स्पष्ट होता है कि भारतीय वाहनों के बाजार में न तो कमी आयी है और न ही आयेगी। केन्द्र सरकार की कैबिनेट में इलेक्ट्रिक वाहनों के प्रस्ताव को पेश करने की तैयारी कर ली गई है। सरकार को सिर्फ इन्तजार इस बात का है कि एक बार चार्जिंग स्टेशन इसके लिए तैयार कर लिये जायें। इलेक्ट्रिक वाहनों को उतारने के लिए ये सही समय है और इसे जल्द से जल्द लोगों के सामने पेश किया जाना चाहिए। आनेवाला कल इन्हीं इलेक्ट्रिक वाहनों का ही है, पेट्रोल और डीजल से चलने वाले वाहनों को सड़कों से पूरी तरह हटाया जायेगा।

वाहन निर्माता कम्पनियाँ पहले इलेक्ट्रिक वाहनों के विपक्ष में ही तर्क दिया करती थीं किन्तु सरकार के रुख को देखते हुए इन्होंने इस पर रिसर्च कार्य तेज कर दिया है। पहले ऑटोमोबाइल कम्पनियाँ महँगी बैट्री के कारण ना नुकर करती थी। किन्तु अब बैट्रियों की कीमत 40 प्रतिशत तक कम हुई है और बड़े पैमाने पर मॉग आने पर इनका उत्पादन खर्च कम होगा और कीमतें कम होंगी। इलेक्ट्रिक कार, टैक्सी और बाइक समय की मॉग है और इन्हें हमें सही दिशा में बढ़ाना ही होगा। वाहनों को बाहर से मँगवाना और प्रदूषण दोनों ही बड़ी परेशानी है। इससे देश को हर साल सात लाख करोड़ रुपये का भारी भरकम नुकसान झेलना पड़ता है।

सरकार द्वारा प्रदूषण को कम करने के लिए स्क्रेपिंग पॉलिसी जल्द लागू की जाएगी। इसमें जीएसटी की वजह से कुछ देरी हुई है लेकिन इसे सरकार द्वारा जल्द ही दूर कर लिया जायेगा। परिवहन मंत्रालय द्वारा इससे सम्बन्धित

जानकारी देने तथा परामर्श करने के बाद कैबिनेट में इसका नोट पेश किये जाने की तैयारी की जा रही है। जीएसटी काउन्सिल भी इसमें अपना तर्क पेश करेगी और इसके बाद राज्यों सरकारों को भी इसमें कुछ हक दिये जा सकते हैं।

पब्लिक ट्रांसपोर्ट के लिए उपयोग किये जाने वाले वाहनों जैसे बसें, टैक्सियों आदि (विशेषकर घनी बस्तियों में चलने वाले वाहनों) हेतु 'उपयोग की सुरक्षानीति' बनाने की दिशा में काम चल रहा है।

टाटा मोटर्स, महिन्द्रा एण्ड महिन्द्रा और ह्यून्डाई जैसी वाहन निर्माता कम्पनियों ने इलेक्ट्रिक कार बनाने तथा वर्ष 2019 तक भारत में लॉन्च करने की योजना बना ली है। दक्षिण कोरिया की सबसे बड़ी कार निर्माता कम्पनी ह्यून्डाई मोटर्स ने अपनी हायब्रिड कारों की योजना को स्थगित करके इण्डिया में 2019 तक भारत में इलेक्ट्रिक कारों की लॉन्चिंग को प्राथमिकता दी है।

टाटा मोटर्स की योजना के अनुसार, आने वाले ऑटो एक्स्पो में टाटा मोटर्स की टियागो कार के इलेक्ट्रिक वर्जन का डिमो देखने को मिल जायेगा। यही नहीं टाटा ग्रुप की महत्वाकांक्षी कार नैनो का भी इलेक्ट्रिक वर्जन ऑटो एक्स्पो में देखने को मिलेगा।

इलेक्ट्रिक सेगमेंट में इण्डिया की पायोनियर कम्पनी महिन्द्रा एण्ड महिन्द्रा ने अपनी इलेक्ट्रिक कार यूनिट को मजबूत बनाने के लिए 600 करोड़ रुपये मंजूर किये हैं। योजनाओं को देखते हुए लगता है कि वर्ष 2020 में महिन्द्रा एण्ड महिन्द्रा इलेक्ट्रिक वाहनों की वृहद श्रृंखला प्रस्तुत करने वाली कम्पनी सिद्ध होगी। जो कि के.यू.वी. से लेकर एक्स.यू.वी. 500 तक का इलेक्ट्रिक वर्जन उलपब्ध करवा सकेगी।

जापान की प्रसिद्ध ऑटोमोबाइल कम्पनियाँ टोयोटा और सुजुकी ने अपनी सब्सीडियरीज के माध्यम से इलेक्ट्रिक और हायाब्रिड कारों को बेहतर सर्विस देने के लिए, संयुक्त रूप से भारत में लिथियम-इयान प्लाण्ट डालना प्रस्तावित किया है जिस पर उनकी कम्पनियों द्वारा काम शुरू कर दिया गया है। मारुती सुजुकी के चेयरमैन आर.सी. भार्गव ने वित्त वर्ष 2017 की वार्षिक रिपोर्ट में शेयर होल्डर से कहा है कि कम्पनी ने भारत में इलेक्ट्रिक वाहन (ईवी) बनाने की तैयारी कर ली है। हीरो, एन.टी.पी.सी, पावरग्रिड भी इलेक्ट्रिक वेहिकल के मार्केट में अपनी भागीदारी दर्ज कराने के लिए सक्रिय हैं।

इलेक्ट्रिक वाहन चार्जिंग प्वाइन्ट / चार्जिंग स्टेशन: नागपुर में ओला कैब द्वारा 200 इलेक्ट्रिक कारों की लॉन्चिंग के साथ, नागपुर भारत का पहला पब्लिक इलेक्ट्रिक वाहनों वाला शहर बन गया है। महिन्द्रा एण्ड महिन्द्रा ने यहाँ ओला के साथ मिलकर इलेक्ट्रिक वाहन चार्जिंग स्टेशन भी प्रारम्भ कर दिया है।

सरकार इलेक्ट्रिक वाहनों की चार्जिंग के लिए त्वरित और प्रभावी विकल्प उपलब्ध करवाने के लिए दिल्ली में 1000 तथा अन्य प्रमुख मेट्रोज में 300-400

चार्लिंग प्वाइन्ट/ स्टेशन बनाने के लिए बोलियाँ आमंत्रित करने वाली है। महिन्द्रा एण्ड महिन्द्रा ने अभी हाल ही में बेंगलुरु और नागपुर में 20-30 फास्ट चार्लिंग स्टेशन स्थापित किये हैं। और इतने ही दिल्ली में स्थापित करने जा रही है। कम्पनी की योजना है कि ये चार्लिंग स्टेशन पावर सप्लायर कम्पनियों टाटा पावर, रिलायन्स पावर और पावर ग्रिड के साथ टाई-अप करके किये जायें। चार्लिंग स्टेशनों पर इलेक्ट्रिसिटी के साथ ही, वाहनों में सोलर चार्लिंग व्यवस्था भी उपलब्ध करवाने पर विचार किया जायेगा।

2020 तक 70 लाख ई-वाहन सड़कों पर उतारने की कोशिश, ताकि पेट्रोलियम पर खर्च कम हो: भारत में इलेक्ट्रिक व्हीकल अपने शुरुआती दौर में है। भारी उद्योग मंत्रालय और नीति आयोग इन्हें लोकप्रिय बनाने के उपायों पर विचार कर रहे हैं। ऐसे में ई-वाहन निर्माण पर इन्सेंटिव, छूट आदि संभव है। वर्ष 2020 तक 60-70 लाख ई-वाहन सड़कों पर लाने के प्रयास किये जा रहे हैं। सरकार, टाटा मोटर्स से 10,000 ई-वाहन खरीदेगी। नवम्बर से इसकी डिलेवरी शुरु हो गयी है। सौर बिजली जैसी अक्षय उर्जा, उन्नत टैक्नोलॉजी और वाहनों की उचित कीमत हो तो भारत अपना ईंधन का आयात बिल में कमी ला सकता है जिसके 2030 तक दोगुना होकर 30,000 करोड़ डॉलर (19,58,400 करोड़ रुपये) तक पहुँच जाने का अनुमान है। उल्लेखनीय है कि सरकार वायु प्रदूषण तथा तेल आयात पर लगाम लगाने के लिए 2030 तक केवल इलेक्ट्रिक कारों के इस्तेमाल का लक्ष्य लेकर चल रही है। इसी विजन के तहत 7 दिसम्बर, 2017 को रतन टाटा तथा देश की सबसे बड़ी वाहन कम्पनी टाटा मोटर्स के चयरमैन ने अपनी कॉम्पैक्ट सेडान टिगोर के इलेक्ट्रिक संस्करण की पहली खेप को झंडी दिखाकर रवाना किया। टाटा मोटर्स ने ईईएसएल को 10,000 इलेक्ट्रिक कारों की सप्लाई की है। महिन्द्रा एण्ड महिन्द्रा ने भी 150 ई वेरिटाज की आपूर्ति एनर्जी एफिशियेंसी सर्विसेज (ईईएसएल) को की है।

इलेक्ट्रिक वाहनों के आने से बैट्रियों की माँग में जबरदस्त बढ़ोत्तरी होगी। जिससे बैट्री व्यवसाय को पंख लग जायेंगे। साथ ही इलेक्ट्रिक उत्पादक और सप्लायर कम्पनियों को भी बड़ा बाजार मिलेगा। पेट्रोल/डीजल की माँग में कमी आयेगी। संभव है कि पेट्रोल/डीजल पम्प, इलेक्ट्रिक चार्लिंग स्टेशन के रूप में व्यवसाय करने लगे। नवम्बर, 2011 में इण्डियन ऑयल ने बेंगलुरु में अपना पहला इलेक्ट्रिक चार्लिंग स्टेशन प्रारम्भ कर दिया है। फिलहाल अन्य ऑयल मार्केटिंग कम्पनियाँ अभी इस दिशा में कोई कदम उठा रही हैं या नहीं, यह स्पष्ट नहीं है।

इलेक्ट्रिक वाहनों के मार्केट में आने से लोगों के वाहन पयूल का खर्च कम होगा या अधिक, यह सरकार की टैक्स नीति तय करेगी। इलेक्ट्रिक वाहनों के उपयोग से पर्यावरण में प्रदूषण का स्तर कम होगा, जिससे बीमारियों और रोगों की कमी आयेगी। पेट्रोल/ डीजल की खपत में कमी होगी जिससे क्यूड आयल के आयात पर खर्च होने वाली विदेशी मुद्रा की भारी बचत होगी। परिणामतः विदेशी मुद्रा की तुलना में भारतीय रुपया मजबूत होगा।

### इलेक्ट्रिक वाहन भविष्य की जरूरत

देश में बढ़ते प्रदूषण के स्तर को लेकर सरकार से लेकर आमजन तक परेशान हैं, साथ ही पेट्रोल-डीजल की बढ़ती कीमतों से देश की अर्थव्यवस्था पर बुरा

असर पड़ रहा है। पेट्रोल-डीजल की बढ़ती कीमतों से निपटने के लिए केन्द्र सरकार नई ऑटो नीति तैयार करने में जुटी है। सरकार ने टू व्हीलर तथा कार निर्माता कम्पनियों को इलेक्ट्रिक वाहन बनाने की सलाह दी है। साथ ही आम जनता ने भी ईंधन के विकल्पों के बारे में सोचना शुरु कर दिया है। केन्द्रीय भूतल परिवहन मन्त्री नितिन गडकरी ने सभी कार निर्माता कम्पनियों को साल 2030 तक इलेक्ट्रिक कार की तरफ रूख करने को कहा है। उन्होंने कहा कि सरकार हर हाल में तेल से चलने वाली गाड़ियों से छुटकारा चाहती है।

गौर तलब है कि दुनिया भर में इलेक्ट्रिक वाहनों (ईवीएस) की औसत कीमत 2016 में बढ़ी है। वर्ल्ड एनर्जी इन्वेस्टमेंट 2017 की एक रिपोर्ट में प्रदर्शित आंकड़ों के मुताबिक दुनिया भर में 2012 में बिकने वाले इलेक्ट्रिक वाहन की औसत कीमत सबसे कम थी, लेकिन उसके बाद अगले पाँच वर्षों में इनकी कीमतों में लगातार ईजाफ़ा हुआ है। इसका मुख्य कारण ऑटो उद्योग के इस हिस्से का विद्युतीकरण होना माना जा रहा है, जो कि कार्बन उत्सर्जन में कमी करने के सबसे महत्वपूर्ण तरीकों में से एक है।

इलेक्ट्रिक वाहनों के बारे में अक्सर लोगों की शिकायत होती है कि इनमें पावर और पिकअप कम होता है। इसलिए इन वाहनों को प्राथमिकता नहीं देते। किन्तु साल 2017 में लोगों की इस शिकायत को ध्यान में रखते हुए दो नये मॉडल्स शेन्नले बोल्ट और टेस्ला मॉडल 3 बाज़ार में लॉन्च किये गये जो पहले की तुलना में काफी अच्छी सर्विस दे रहे हैं। इनके इलेक्ट्रिक कार बाज़ार में दस्तक देने के बाद छोटे और घरेलू बाज़ारों में इलेक्ट्रिक वाहनों में थोड़ी वृद्धि हुई है। हाल ही में एक परामर्श फर्म मैकिंजी एण्ड कम्पनी के शोध में पाया गया है कि 30 प्रतिशत अमेरिकी कार खरीददार एक इलेक्ट्रिक कार मॉडल पर विचार तो करते हैं किन्तु केवल तीन प्रतिशत ही इन्हें खरीदने में रूचि दिखाते हैं।

भारत सरकार इलेक्ट्रिक वाहनों को प्रोत्साहित करने के लिए प्रयासरत है। हाल ही में भारत सरकार ने टाटा मोटर्स कम्पनी को दस हजार इलेक्ट्रिक कारों की सप्लाई का आर्डर दिया है। देश में इलेक्ट्रिक वाहनों को लोकप्रिय बनाने के लिए सरकार कई कदम उठाने जा रही है। ई-वाहनों के लिए जल्द ही सरकारी बैंकों से लोन मिल पाएगा। इसके आदेश सरकार ने सरकारी बैंकों को जारी कर दिये हैं। साथ ही बड़े शहरों में ई-वाहनों के लिए बैटरी लीजिंग सर्विस भी शुरु होगी। यहाँ स्वैप कार्ड के जरिए डिस्चार्ज बैटरी देकर चार्ज्ड बैटरी ली जा सकेगी। यह सर्विस 24X7 रहेगी। शुरुआत दिल्ली एन.सी.आर., पुणे और दक्षिण भारत के एक-दो शहरों से होगी। सभी एयरपोर्ट पर इलेक्ट्रिक बस चलायी जायेगी। बेंगलुरु, चंडीगढ़ एयरपोर्ट पर ऐसी बसें चल रही हैं। दिल्ली एयरपोर्ट पर 6 इलेक्ट्रिक बसें चलेंगी।

सरकार के इन प्रयासों से न केवल पेट्रोल-डीजल पर प्रतिवर्ष खर्च की जाने वाली भारी-भरकम विदेशी मुद्रा की बचत होगी बल्कि प्रदूषण के स्तर को भी कम करने में मदद मिलेगी। सोलर इनर्जी प्रोत्साहन योजना के तहत सभी नागरिक अपने घरों में सोलर पैनल लगाकर अपने वाहनों को रिचार्ज कर सकेंगे और पेट्रोल पर होने वाले खर्च को बचा सकेंगे। सीमित पेट्रोलियम भण्डारों को देखते हुए इलेक्ट्रिक वाहन सभी के लिए भविष्य की जरूरत है।

## विश्व मधुमेह दिवस - पूर्वी क्षेत्र



पूरे विश्व में भारत मधुमेह की राजधानी मानी जाती है जहां 62 मिलियन से अधिक भारतीय मधुमेह से ग्रसित हैं और सन् 2030 तक इसमें तीव्र वृद्धि होने की संभावना है। इस जानलेवा बीमारी और उससे बचने के उपाय बताने के लिए मासंसे पूर्व ने 14 नवम्बर 2018 को सम्पूर्ण पूर्वी क्षेत्र में विश्व मधुमेह दिवस का आयोजन किया। इस अवसर पर विभिन्न गतिविधियाँ चलाई गईं जैसे कि मधुमेह जागरूकता व्याख्यान, मधुमेह शिनाख्त शिविर, प्रश्नमंच इत्यादि।

## हल्दिया में स्वास्थ्य जाँच शिविर

बीपीसीएल द्वारा उसके सभी कर्मचारियों, ठेकेदारों, ग्राहकों और समुदायों के स्वास्थ्य न्यू स्टाफ क्वार्टर निर्माण स्थल पर मासंसे, पूर्व द्वारा हमारे अनुबंधित कर्मचारियों के लिए निःशुल्क चिकित्सा जाँच शिविर आयोजित की गई। कोलकाता के एक प्रतिष्ठित अस्पताल के सहयोग से यह शिविर आयोजित की गई जिससे लगभग 25 अनुबंधित कर्मचारी लाभान्वित हुए।



## प्रथमोपचार शिविर

किसी भी बीमारी, चोट या दुर्घटना के लिए चिकित्सक या एम्बुलेंस आने से पहले प्राथमिक चिकित्सा देकर राहत कार्य या उपचार किया जाता है। इसके महत्व को देखते हुए सनशाईन ग्लोबल हॉस्पिटल के सहयोग से सूरत एलपीजी संयंत्र में कार्य कर रहे श्रमिकों के लिए प्रथमोपचार शिविर आयोजित किया गया। यह प्रशिक्षण डॉ. अनुज क्लर्क, सनशाईन ग्लोबल हॉस्पिटल, सूरत द्वारा दिया गया जिसमें 28 प्रशिक्षणार्थियों ने भाग लिया।



## नेत्र जाँच शिविर



स्वच्छता पखवाड़ा के उपलक्ष्य में लोनी एलपीजी संयंत्र द्वारा विभिन्न गतिविधियाँ चलाई गईं, जिनमें से एक था नेत्र जाँच शिविर आईकेयर नामक नोएडा के अग्रणी अस्पताल के सहयोग से सफाई कर्मचारियों तथा ड्राइवरों के सहयोग से नेत्र जाँच शिविर का आयोजन किया गया।

## पूर्वी क्षेत्र में आरोग्य माह

स्वास्थ्य असली धन है न कि सोने-चांदी के टुकड़े - महात्मा गांधी उक्त का पालन करते हुए, मासंसे पूर्व ने आरोग्य माह का आयोजन किया। इस दौरान स्वस्थ एवं संतुलित जीवनशैली को प्रोत्साहित करने के लिए विभिन्न लोकेशनों में अनेक गतिविधियाँ चलाई गईं, जैसे कि स्वास्थ्य व्याख्यान नेत्र जाँच शिविर, स्वास्थ्य शिविर, आहार सलाह इत्यादि। सिलीगुड़ी स्टाफ क्वार्टर्स में 13 एमटी शिविर तथा हल्दिया के स्टाफ क्वार्टर्स निर्माण स्थल के श्रमिकों के लिए स्वास्थ्य शिविर आयोजित किया गया। विभिन्न अस्पतालों के सहयोग से सभी कार्यक्रमों का सफलतापूर्वक आयोजन किया गया।



## प्रथमोपचार प्रशिक्षण



लोनी एलपीजी संयंत्र में प्रथमोपचार प्रशिक्षण आयोजित किया गया। इस प्रशिक्षण में डॉ. आर.के.शर्मा, वरिष्ठ व्याख्याता एवं परीक्षक, सेंट जॉन एम्बुलेन्स असोसिएशन, रेड क्रॉस सोसायटी, दिल्ली और उनके सहयोगी ने विभिन्न महत्वपूर्ण विषयों पर प्रतिभागियों का मार्गदर्शन किया। प्रथमोपचार का ज्ञान इस मायने में बहुत ही अहमियत रखता है कि दुर्घटना या आपात स्थिति में प्रथमोपचार देकर न केवल जानें बचाई जा सकती है, बल्कि मरीजों को जल्द सेहतमंद बनाया जा सकता है।

## मोबाइल मेडिकल युनिट



बीपीसीएल सीएसआर के लिए स्वास्थ्य प्रमुख क्षेत्र रहा है। अतः हमने वोकहार्ट फाउंडेशन के सहयोग से अनेक लोकेशनों में मोबाइल मेडिकल वैन चलाए गए। इस परियोजना का मुख्य उद्देश्य है ग्रामीण इलाकों के संवेदनशील और वंचित समुदायों तक प्राथमिक चिकित्सा पहुंचाना। इस परियोजना के अंतर्गत 14 नवम्बर 2018 को बी पी पिपावह कम्पनी पम्प, अमरेली, गुजरात और 15 नवम्बर 2018 को पुलिस परिवार फ्यूएल केयर, आरओ गांधी नगर, जम्मू में मोबाइल मेडिकल युनिट (एमएमयू) का उद्घाटन किया गया।

## निःशुल्क स्वास्थ्य जाँच शिविर

हैदराबाद एलपीजी संयंत्र में 15 नवम्बर 2018 को अपोलो हॉस्पिटल के सहयोग से निःशुल्क स्वास्थ्य जाँच शिविर का आयोजन किया गया जिसका संचालन डॉ. उपेन्द्र रेड्डी, एमबीबीएस एमडी, सामान्य चिकित्सक और उनके छह सदस्यीय दल ने किया। एलपीजी संयंत्र के कुल 144 व्यक्तियों ने इस शिविर का लाभ उठाया।



## कैंसर शिनाख्त शिविर



लोगों के मन में कैंसर की गई गलत धारणाएं हैं, जिससे वे भयग्रस्त और चिंतित हो जाते हैं। उनमें जागरूकता लाने के लिए, जिससे वे कैंसर के प्रारंभिक लक्षण पहचानकर जल्दी इलाज करवा सकें, बीपीसीएल मुंबई रिफाइनरी ने अपने पड़ोसी गवन गांव में, एशियन कैंसर फाउंडेशन के सहयोग से कैंसर शिनाख्त शिविर आयोजित किया। मुंबई महानगरपालिका एम-पूर्व वार्ड समिति चेम्बूर की अध्यक्ष सुश्री निधि शिंदे ने शिविर का उद्घाटन किया। इस शिविर में चिकित्सा परीक्षणों के अलावा, लोगों को तम्बाखू सेवन के दुष्परिणामों से भी अवगत कराया गया। लगभग 213 व्यक्तियों ने इस शिविर का लाभ उठाया।

## आँखों की रोशनी के लिए



हैदराबाद एलपीजी संयंत्र में टाइटन आई प्लस हैदराबाद द्वारा निःशुल्क नेत्र जाँच शिविर का आयोजन किया गया। बीपीसीएल मैनेजमेंट/नॉन मैनेजमेंट स्टाफ कॉन्ट्रैक्ट स्टाफ, सुरक्षा कर्मचारियों, पीसीवीओ कू, ठेकेदारों और परिवारियों ने शिविर का लाभ उठाया। कुल 164 सदस्यों की नेत्र जाँच की गई और उनके रिपोर्ट के आधार पर चिकित्सा सलाह दी गई।

## स्वास्थ्य वार्ता का आयोजन



हृदय रोग, कार्डियोवैस्कुलर समस्याओं की एक विस्तृत श्रृंखला है। हृदय रोग के अंतर्गत कई बीमारियाँ और शर्तें समाहित हैं। हृदय रोग हालांकि घातक हो सकता है, परंतु अधिकतर लोगों में यह रोकथाम योग्य है। ऐसी गंभीर और आम बीमारी पर जागरूकता पैदा करने के उद्देश्य से मानव संसाधन सेवाएं, पूर्व द्वारा पटना एलपीजी प्लांट, फतुहा के प्रांगण में हृदय रोग और दिल का दौरा विषय पर एक स्वास्थ्य वार्ता का आयोजन किया गया। इस स्वास्थ्य वार्ता में मेडिका मगध अस्पताल, पटना के प्रसिद्ध डॉ. एवं वरिष्ठ सलाहकार कार्डियोलॉजी, श्री नीतीश कुमार रंजन उपस्थित थे।

चिकित्सक ने हृदय रोगों को रोकने के लिए स्वस्थ जीवन शैली को अपनाने, संतुलित आहार खाने, नियमित रूप से व्यायाम करने, कोलेस्ट्रॉल को कम करने और रक्तचाप को बनाए रखने, स्वास्थ्य निकाय के वजन को बनाए रखने, धूम्रपान छोड़ने आदि जैसे मूल्यवान युक्तियाँ भी साझा की। इस कार्यक्रम में पटना एलपीजी फतुहा के मैनेजमेंट, क्लेरिकल स्टाफ एवं ठेका के सुरक्षा गार्ड और श्रमिक सहित कुल 30 व्यक्तियों ने भाग लिया।

## आरोग्य उत्सव - दक्षिणी क्षेत्र

मासंसे, दक्षिण द्वारा आरोग्य उत्सव मनाया गया। बीपीसीएल की स्वतंत्र निदेशक डॉ. तमिलीसाई सौंदराराजन द्वारा कार्यक्रम का उद्घाटन किया गया। डॉ. ए.वी. श्रीनिवासन ने अपने प्रमुख भाषण में न्यूरोलॉजी के विभिन्न पहलुओं की जानकारी दी। आरोग्य उत्सव महीने भर चला, जिसके दौरान विभिन्न कार्यक्रम चलाए गए जैसे कि योग सत्र, प्रथमोपचार एवं चिकित्सा आवास प्रशिक्षण, स्वास्थ्य शिविर, प्रोटीन्स पर व्याख्यान, हृदय की देखभाल पर व्याख्यान, मधुमेह शिविर, घर में बागबानी पर सत्र इत्यादि।



## सर्वोत्तम सिपाही पुरस्कार



टेरिटोरियल आर्मी, काम्पटी, नागपूर द्वारा दिनांक 27 अगस्त 2018 से 25 सितम्बर 2018 तक टेरिटोरियल आर्मी के सिपाहियों के लिए वार्षिक प्रशिक्षण कैम्प आयोजित किया गया था। इसमें एचआरएस पश्चिम के सुरक्षा कर्मचारी श्री बापू गोवेकर ने हिस्सा लिया था। टेरिटोरियल आर्मी के श्री बापू गोवेकर को उक्त प्रशिक्षण में मोटिवेशन की श्रेणी में सर्वोत्तम सिपाही का पुरस्कार मिला। इससे पहले भी टेरिटोरियल आर्मी द्वारा प्रशिक्षण के दौरान आयोजित विभिन्न प्रतियोगिताओं में वे कई पुरस्कारों के हकदार रहें। श्री बापू गोवेकर की इस सफलता पर निगम की ओर से हम उन्हें बधाई एवं आगे की सेवा के लिए शुभकामनाएँ देते हैं।

## सुश्री भारती सिंह बनीं मिस मिरा-भाईदर 2018”



हिन्दी विभाग, पश्चिम क्षेत्र, मुंबई में कार्यरत श्री बी. के. सिंह की सुपुत्री सुश्री भारती बीरेन्द्र सिंह ने भाईदर (पूर्व) में आयोजित मंथन कला क्रीड़ा महोत्सव 2018 में दिनांक 22 दिसंबर, 2018 को

मिस मिरा-भाईदर 2018 का खिताब जीता। कांदिवली स्थित ठाकुर कॉलेज के बीएमएम की 19 वर्षीय छात्रा भारती सिंह ने कुल 5 शॉर्टलिस्टेड प्रतिस्पर्धियों में 5 राउंड के पश्चात टॉप 7 में अपनी जगह बनाई और आखिरी राउंड में प्रथम स्थान हासिल कर इस प्रतियोगिता की विजेता हुई। सुश्री भारती ने इस सफलता का श्रेय अपने माता-पिता श्रीमती सुनीता सिंह तथा श्री बिरेन्द्र कुमार सिंह को दिया। सुश्री भारती को भारत पेट्रोलियम की ओर से उज्ज्वल भविष्य की शुभकामनाओं के साथ ढेर सारी बधाइयाँ।

## शोक संदेश



श्री संदीप आनन्द, सहायक-1, नोएडा क्षेत्रीय कार्यालय का दिनांक 07/11/2018 को दुःखद निधन हो गया। वे 51 वर्ष के थे। उनके परिवार में पत्नी एवं माताजी हैं।



श्री दयानंद ठाकुर, ऑपरेटर (पी) फील्ड, उरण एलपीजी प्लांट का दिनांक 11/12/2018 को दुःखद निधन हो गया। वे 54 वर्ष के थे। उनके परिवार में पत्नी, एक पुत्र तथा तीन पुत्रियाँ हैं।



श्री प्रभात सिंह ए बारिया, ऑपरेटर (फील्ड), हरियाला एलपीजी प्लांट का दिनांक 14/12/108 को दुःखद निधन हो गया। वे 49 वर्ष के थे। उनके परिवार में पत्नी एवं एक पुत्र हैं।



श्री आई ए रेबेलो, तकनीशियन (रिटेल), मिरज, गोवा टैरीटरी का दिनांक 19/11/2108 को दुःखद निधन हो गया। वे 57 वर्ष के थे। उनके परिवार में पत्नी एवं एक पुत्र हैं।



श्री सुरेन्द्र कुमार, ऑपरेटर (पी) फील्ड जालंधर टॉप का दिनांक 20/05/2018 को दुःखद निधन हो गया। वे 53 वर्ष के थे। उनके परिवार में एक पुत्र एवं एक पुत्री हैं।



श्री सौमित्र भारद्वाज, अटेंडेन्ट, मानव संसाधन सेवाएं, (पूर्व) का दिनांक 21/12/2018 को दुःखद निधन हो गया। वे 56 वर्ष के थे। उनके परिवार में पत्नी, दो पुत्र एवं माताजी हैं।

हम शोक संतप्त परिवार के सदस्यों के प्रति अपनी शोक संवेदनाएं व्यक्त करते हैं एवं ईश्वर से प्रार्थना करते हैं कि उनकी आत्मा को शांति प्रदान करें।

## दीर्घ सेवा



श्री एस के अग्रवाल  
कार्यपालक निदेशक  
(निगमित मामले)-35 वर्ष



श्री प्रमोद वगल  
वरिष्ठ प्रबंधक, निगमित मामले,  
अध्यक्ष कार्यालय-30 वर्ष



श्री वी के ग्रोवर  
प्रबंधक (सीआरडीसी)-35 वर्ष

## सेवा निवृत्ति



श्री ज्ञान सिंह, एलवीडी (एचआरएस), उत्तर नोएडा, दिनांक 30.11.2018 को सेवानिवृत्त हुए हैं। इन्होंने बीपीसीएल में इस वर्ष लगभग 31 वर्षों की सेवा पूर्ण की।



श्री संजीव कुलकर्णी  
सहायक 1, निगमित मामले, अध्यक्ष  
कार्यालय-30 वर्ष



श्री दया कृष्ण, अटेंडेंट (प्रशासन), उत्तर, नोएडा, दिनांक 30.09.2018 को सेवानिवृत्त हुए हैं। इन्होंने बीपीसीएल में इस वर्ष लगभग 32 वर्षों की सेवा पूर्ण की।

## Results of the 'MAR' Quiz

The 'MAR' Quiz received an overwhelming response, with 79 all-correct entries. On the basis of a lucky draw, the winners selected are :

- Ms. Archana A V - Asst. Mgr. (P & CS), Kochi Refinery
- Mr. Tanmay Sarkar - Executive Elec. Maint., Pipelines, Mumbai Refinery
- Mr. Saurabh Negi - Manager Ops. (Pipelines) Piyala
- Mr. Siddharth Jain - Sr.Manager (E&P), Finance-North
- Mr. Atul Deshmukh - Assistant I, Finance Shared Services HQ

### Hearty Congratulations !

#### Answers

1. A delightful 'Alice in Wonderland' character **MARCH HARE**
2. A long distance running race, of about 42 kms **MARATHON**
3. A cocktail made with tequila and citrus fruit juice **MARGARITA**
4. A large African stork with a massive bill and large neck pouch **MARABOU STORK**
5. Actor who played an iconic role in 'The Godfather' **MARLON BRANDO**
6. Traditional Mexican folk music performed by strolling musicians **MARIACHI**
7. A carnival held in some countries before Lent **MARDI GRAS**
8. A strong, sweet liqueur made from small black Dalmatian cherries **MARASCHINO**
9. Principal character in Shakespeare's play, Julius Caesar **MARCUS JUNIUS BRUTUS or MARK ANTONY**
10. Hereditary disorder of the connective tissue, resulting in long & thin digits **MARFAN SYNDROME**
11. German philosopher /economist, whose works formed the basis of Communism **KARL MARX**
12. A puppet worked by strings **MARIONETTE**
13. Group of mammals whose young are carried in their mother's pouch **MARSUPIAL**
14. Poem by Samuel Taylor Coleridge -The Rime **OF THE ANCIENT MARINER**
15. A preserve made from bitter oranges **MARMALADE**
16. Gathering information about consumers' needs and preferences **MARKET RESEARCH / SURVEY**
17. Portuguese city which was the headquarters of the Order of the Knights Templar **TOMAR**
18. A member of the princely and military sects of Maharashtra **MARATHAS**
19. Beautiful actress of 'Samson and Delilah' fame **HEDY LAMARR or MARISSA GIBSON**
20. Losing one's mental faculties **LOSE ONE'S MARBLES**
21. A court order freezing a debtor's assets, usually to prevent them being taken abroad **MAREVA INJUNCTION**
22. Movie on British retirees, 'The Last Exotic **MARIGOLD** Hotel
23. A complex and difficult situation **MARE'S NEST**
24. A butter substitute made from vegetable oils or animal fats **MARGARINE**
25. Former Prime Minister of the UK, called the 'Iron Lady' **MARGARET THATCHER**

# Youphoria Corporate Photography Contest Winners



Subhadeep Debnath



Samarjit Chowdhury



Tamoghna Tripathi



Nishantajit Choudhury

Indra Jeet

