



JWala DHwani



• Great Place to Work

• Reinvent Ourselves

• Maximise Value Creation

ജ്വാലധനി ജ്വാലധനി | JAN 2020
Energising BPCL Kochi Refinery



Mr. P. Murali Madhavan
Executive Director, (Kochi Refinery)

Dear Colleague,

“Wish you and your family a HAPPY, SAFE and PROSPEROUS New Year 2020”.

Kochi Refinery has a rich legacy passed on by some of the finest and greatest visionaries of the times and it is my privilege to carry on the baton handed over to me by an exuberant leader, Mr. Prasad K Panicker. Shouldering this responsibility is going to be challenging and interesting. I am sure I can sail through as I have the confidence of being with one of the strongest teams -Team Kochi Refinery.

Amongst multi-crore refining projects across the globe, our IREP implementation was adjudged as the Top Refining Project of 2019 by the international journal Hydrocarbon Processing. This is a huge recognition for BPCL Refineries and we accept this acclaim with a deep sense of pride and satisfaction of having delivered one of the biggest transformational projects of Kochi Refinery. Hearty congratulations to each and every member of Kochi Refinery.

Right from the beginning of the 21st Century, year 2020 was heralded as a milestone year. The wealth of experiences from the challenges and the string of achievements in 2019 will sharpen us to face the New Year with confidence and renewed vigour. Year 2020 is one for fruition of many goals, and for Kochi Refinery, we have many lined up for realization.

Our continued commitment to responsible operations is visible from the Safety records set one after the other in 2019. Crossing the 63 million mark of accident free man hours on 23 December 2019 is highly commendable and is yet again a new benchmark to be improved. Let us not rest on the laurels but arise and take utmost care during commissioning of new units. I urge every action to be well-guided by internalizations from

Let our goal for the New Year be **Year 2020 for a Double Digit GRM**. Our responsibility here does not stop with just enhancing the gross refining margin (GRM). The added responsibility for 2020 is to sustain Kochi Refinery as a:

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previous experiences and thorough understanding of new technologies.

My sincere appreciation to Team KR for the effective implementation of Process Safety Management (PSM) in our Refinery, which is much ahead of our peers in the industry. We have to maintain this momentum as Process Safety is paramount to safe and reliable operations of our Refinery.

The New Year ushers promising progress in the commissioning activities at PDPP. We are looking at commissioning of the Acrylic Acid plant by February 2020, followed by the Oxo-Alcohol and Acrylate plants in quick succession. With these, we will have realised the great dream of transforming Kochi Refinery into an Integrated Refinery cum Petrochemical business unit, a historic milestone that will go down in gold.

From 1 March 2020, our Diesel and MS will conform to Bharat Stage VI standards. The Motor Spirit Block Project (MSBP) is expected to be commissioned during second half of 2020. MSBP is our concerted effort to enhance MS production and minimise production of Naphtha, a strategic intervention to boost profits.

We are fully geared up to tap another business opportunity to supply bunker fuel used in marine vessels as per the new norm. Effective 1 January 2020, we will ensure enhanced quality of bunker fuel by bringing down sulphur content from 3.5 to 0.5 percent.

Last year was challenging in terms of profitability. A paradoxical situation we faced was of Diesel prices going up when demand was declining on one hand, and on the other, MS demand increasing, while the prices kept a low. There are signs of recovery in Diesel demand. Such positive developments along with the quick and successful monetization of our MSBP will help us tide over the turbulence in the present economic situation.

Goal for 2020

Let our goal for the New Year be “**Year 2020 for a Double Digit GRM**”. Our responsibility here does not stop with just enhancing the gross refining margin (GRM). The added responsibility for 2020 is to sustain Kochi Refinery as a:

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BPCL has been regularly participating in the Solomon Bench Marking Study where in our performance is compared and bench marked with over 300+ Refineries across the world. The findings of the 2018 study published recently are an eye opener exposing wide gaps in our

performance in terms of energy consumption, hydrocarbon loss, volumetric expansion, cost of producing transportation fuels etc. It is imperative for each one of us to introspect our strategies to maximize value. We can make this a reality by our committed efforts to:

1. Enhance the reliability of process units.

Predictive maintenance needs to be put in place for improving reliability and thereby maximizing asset utilization.

2. Achieve operation excellence

by focusing on reduced Energy Intensity Index (EII) & steam consumption, flare losses and slop generation.

3. Monetize PDPP at the earliest.

It is highly challenging since this is our first major foray into

petrochemical and synergizing its operation with the refinery system would require concerted efforts and focused attention.

4. Improve our safety performance

especially in contract labour front. Enhancing contract labour safety to the safety performance level of our employees, can take us to an admirable position. This calls for increasing safety awareness among contract workers and instituting strict compliance measures.

5. Strengthen our environmental standards

beyond statutory norms to reduce CO2 emission, Carbon emission, water conservation through water recycling, efficient and effective functioning of Effluent Treatment Plants (ETPs).

6. Implement Digital Vision

by adopting emerging tools and technologies like artificial intelligence, machine learning and advanced process controls for all plants.

7. Enhance skills and competency.

Since 2020 is a year of transformation, in addition to the knowledge base, we need to acquire and assimilate new skill sets and competency to face the emerging challenges successfully.

The Board of Directors of BPCL at the meeting held on 28 September 2019 had approved the proposal for setting up facilities for production of Polyols, Propylene glycol and Mono ethylene glycol at Kochi Refinery at an estimated investment of Rs 11,130 Crores.

After statutory clearances for the project, the internationally renowned consultant M/s Fluor Daniel India Pvt. Ltd was appointed as the Project Management Consultant (PMC).

Our people power

Though technology is the driving force behind all new endeavours, I am a firm believer that people are our greatest asset and the prime movers of our organization. Our right blend of knowledgeable, experienced and young employees are capable of generating a continuous stream of new ideas and innovations. The young people are bright, self-driven and are the creative force of our organization. By proper engagement, we can tap into that promise,



The strength of Kochi Refinery is the collaboration and team work which I am sure will guide and lead us through the days ahead. Together we have to fully utilize the opportunities that come with every instance of change.

reinvent ourselves and foster a new generation of leaders in our company. Our refinery has been standing tall for over half a century and we bring with it several light years of experience. The business environment requires us to foresee the disruptive changes and proactively rise to the occasions, continually respond to evolution and be a catalyst for transformation.

I believe that an innovative workforce with smart use of technology can overcome every complex business challenge and sustain this organization as the best place to work. It is also very important that employees of each department share clear goals and a vision for the future, as well as promote constructive communication with each other.

Our success is intricately laced in our relationship with our society. This sense of commitment towards society in general and the community in particular, more significantly the immediate vicinity of the refinery, should be held in paramount regard. Let us endeavor to extend the horizons beyond our work-space to bring about a positive change in the lives of the people and the society we belong to.

Our promise

Kochi Refinery is in full synch with the ambitious Go-**GDP** journey of BPCL for reinforcing our commitment towards *Greener environment*, pursuing *Digitalization* in all aspects of our business and expanding our footprints in *Petrochemicals* sector. The strength of Kochi Refinery is the collaboration and team work which I am sure will guide and lead us through the days ahead. Together we have to fully utilize the opportunities that come with every instance of change.

So let us ring in the New Year with a promise to learn continuously, to embrace opportunities and to face challenges with confidence. Let us re-dedicate ourselves to Safe and Reliable Operations to achieve our prime goal of '**Year 2020 for a Double Digit GRM**'.

Once again I pray the almighty blesses you and your family with all good tidings in the New Year.



Murali Madhavan P
Executive Director (Kochi Refinery)



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Welcome to a grand 2020

Wish you a happy new year and a brand new decade!

A decade that opens with infinite possibilities for our corporation and where each one of us have very critical roles to play as ambassadors of a great company. Beyond the horizons that we crossed in the last year, the year 2020 is one for greater heights to be achieved, more shores to navigate and immense potential to be unleashed.

This decade, opens with SAKSHAM 2020, the Oil and Gas Conservation month, which is a continued effort of the Ministry of Petroleum & Natural Gas, year after year, for creating awareness on responsible use and conservation of petroleum products. Kochi Refinery is initiating an energetic campaign to spread the message and activate participation during the observance from 16 January to 15 February 2020. The call is for conscious efforts to inspire and educate our society and stakeholders on the precious reserves of oil and natural gas.

The spirit of oneness of Bharat Petroleum is for us to savour once again as our corporation turns 44 on 24 January 2020. On the Foundation Day, we will be celebrating this great company that has given wings to countless dreams and energised a million lives. Together let us celebrate our company *where actions meet aspirations*.

We are thus stepping into the New Year and into a new decade as responsible contributors to the growth and prosperity of our Nation. As urged by our new Executive Director, Mr. P Murali Madhavan, let us together dwell very deeply on our personal roles and conscious contributions to transform Kochi Refinery into a *great place to work by re-inventing ourselves* and thus *maximize value* for our corporation and for our Country.

JwalaDhwani is happy to step into one more year of active bonding with its beautiful community. We promise you infotaining content as well as surprises, which is an inherent trait of this journal that has stayed with you for over several decades. We promise to be your gracious companion in the coming years as well.

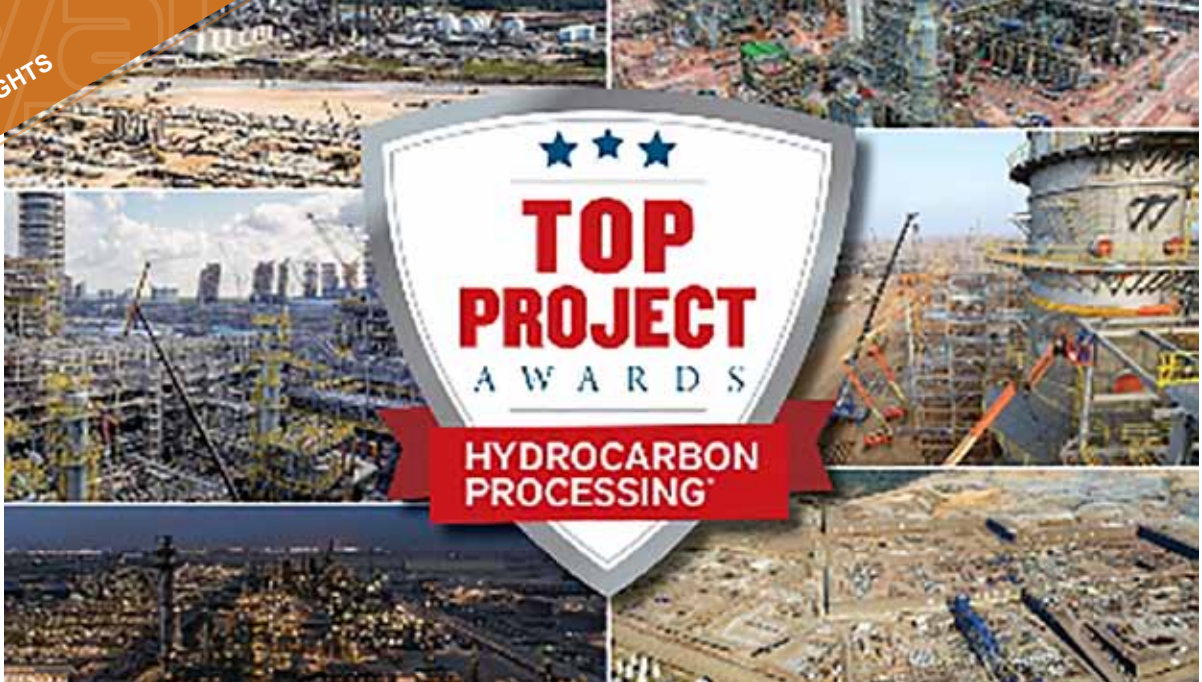
Wish you a very Happy 2020!

Regards

Editor.



ജ്വാലധ്വനി
ज्वालाध्वनि
JAN 2020
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IREP adjudged global top refining project

Bharat Petroleum's Integrated Refinery Expansion Project (IREP) at Kochi Refinery has been adjudged as winner of the TOP REFINING PROJECT for the year by international journal *Hydrocarbon Processing (HP)*.

HP, the leading international publication that covers

major projects from Refineries of United States of America, Vietnam and Italy were the final four. The criteria of selection was projects which are anticipated to significantly impact global or regional downstream industries through CAPEX, satisfying domestic or regional demand, diversifying product offerings, and/or adding to resurgence in refining and petrochemical processing capacity.

The IREP at a cost of Rs. 16,500 crores was the biggest investment made by Bharat Petroleum at a single location and has transformed Kochi Refinery into the largest Public Sector Refinery in India. The project saw the augmenting of Refinery capacity from 9.5 MMTPA to 15.5 MMTPA and the foray into Petrochemicals.

"I wish that Kochi Refinery leads a Petrochemical revolution in southern India and support the growing needs of a New India," said the Hon'ble Prime Minister of India as he dedicated the IREP to the Nation and laid the foundation stone of the Petrochemical Complex at Kochi Refinery in January 2019.

This global citation as the TOP REFINING PROJECT of the year is a huge recognition for BPCL Refineries and Kochi Refinery welcomes this recognition with a deep sense of pride and satisfaction of having delivered one of the biggest transformational projects in the country.

We salute all the hands and hearts that have worked tirelessly for making IREP a reality

IREP of Kochi Refinery and major projects from Refineries of United States of America, Vietnam and Italy were the final four. At a cost of Rs. 16,500 crores, IREP was the biggest investment made by Bharat Petroleum at a single location and has transformed Kochi Refinery into the largest Public Sector Refinery in India.

technical advances and news of the global hydrocarbon processing industries, shortlisted four projects across the globe. IREP of Kochi Refinery and





GOK coastal security review of SPM, a vital installation in Kerala seas

A high level team led by Mr. Tom Jose IAS, Chief Secretary, Government of Kerala reviewed the security and safety of Bharat Petroleum Single Point Mooring (SPM), a vital installation along the outer seas of Kerala coast.

A State Level review on Coastal Security was called by the Chief Secretary in Thiruvananthapuram early last week which was attended by respective Statutory Offices under the Ministry of Home Affairs and senior officials of Cochin Port Trust and Bharat Petroleum. Subsequently, the site-visit was scheduled at the BPCL SPM on 14 December 2019, for reviewing prime security concerns.

Joining the Chief Secretary for the review at the SPM site and on board the very large crude carrier that had arrived on 14 December 2019 were, Dr. M Beena, IAS, Chairman (Cochin Port Trust), Dr. Renu Raj, IAS, Executive Assistant to Chief Secretary of Kerala, Mr. S Jena, DIG (Coast Guard), AIG Alex John, IPS, (Coastal Security),

Govt of Kerala, Mr. Joseph J Alapatt, DC, Cochin Port Trust, Commandant Gomathy Suresh, State Operations Officer (Coast Guard), Commodore Sanjay Nagar, CSO (Operations) and Captain KP Sreeshan, CSO (Coastal Security) of Indian Navy along with Bharat Petroleum officials Mr. Prasad K Panicker, former Executive Director (Kochi Refinery), Mr. Murali Madhavan P, Executive Director (Kochi Refinery), Mr. Kurian P Alapatt, General Manager (HR), Mr. George Thomas, General Manager (PR & Admin) and Mr. Philly Cherian, Dy. General Manager (Marine Planning & Operations).

The Chief Secretary witnessed the complete security protocols maintained at the SPM. He also spoke to the Master of the Liberian VLCC MT Goodnews that had arrived with crude from the Persian Gulf for Bharat Petroleum.

The Kochi SPM is capable of handling Very Large Crude Carriers (VLCC) with crude oil carrying capacities up to 300 Thousand Metric Tonnes

Since 2017, Kochi SPM, is the life line of Bharat Petroleum, being the vital crude receipt facility for its Refinery in Kochi - the biggest PSU Refinery in India.

(TMT) and a VLCC generally completes the crude transfer within 60 hours.

Kochi SPM, is the life line of Bharat Petroleum, being the vital crude receipt facility for its Refinery in Kochi-the biggest PSU Refinery in India. The SPM was set-up way back in 2007 in Kochi for crude receipt through very large crude carriers.

Crude once received through the SPM is directly transferred through undersea pipelines from the SPM to the shore tank farm in Puthuvypeen and further through cross-country pipelines to Kochi Refinery at Ambalamugal. Security drills are conducted regularly at the Kochi SPM, in association with the Navy, CPT, Coast Guard, District Fire and Police Department.

KOCHI REFINERY IS WHERE I BELONG

Mr. P Murali Madhavan,
Executive Director, Kochi Refinery
speaks to us about his soul space,
Kochi Refinery, that brings out the best in him

Kochi Refinery is virtually a home to me. Thirty five long years have passed since I first stepped into the corridors of this evergreen Refinery in God's own country with its unique work culture. Kochi Refinery always had a special place in the minds of the International Petroleum Refining Community - a result of dedicated hard toil by our seniors. This is a dream destination for any Chemical Engineer, and mine was no different when I graduated in 1983.

While pursuing my Bachelor's at Govt. Engineering College, Thrissur, I used to listen wide eyed to my seniors talking about the Refinery and the then expansion plans of CRL (Cochin Refineries Limited) incorporating Secondary Processing Facilities - FCCU. In 1985, I joined then CRL which evolved to become KRL and then part of the prestigious BPCL family. Over the years, like a child wandering in awe, I worked in all core areas of Refining - Operations, Tech Services, Projects and Corporate Planning and had a good spell in Marketing, being part of the Direct Marketing team of the Refinery.

The diverse experience from Refining to Marketing helped me in inculcating a culture of being customer centric and to add Value to the Refining Business in every activity initiated. I took over as Executive Director (Kochi Refinery) on 1 January 2020 after serving as Executive Director (Refinery Operations) from 1 April 2019. It has been an interesting journey from an Engineering Trainee to the Executive Director with plenty of challenges and great learning experiences at this refinery which is today spread across over 1700 acres.



From conceptualization to commissioning, IREP has been one big learning opportunity for everyone involved in it. I was fortunate to be a part of it too. From identifying the potential for an expansion to Configuring the Project, selecting the appropriate technologies and then to establish its financial viability and obtaining statutory clearances, one can simply get lost in the plethora of events that were involved. It was a great team effort creating history, to make our refinery the largest PSU Refinery in the country. Even more satisfying is that we could SAFELY commission and stabilise the IREP units and could achieve more than 100% of design Crude Charge in its first full year of Operation.

This is a great achievement we are all so proud of and it makes IREP different from other Projects which were implemented across the country. It was a great opportunity to work shoulder to shoulder with some of the finest minds dedicated in creating history for our Refinery.

IREP changed the very landscape of Ambalamugal and the Industrial environment of the State of Kerala. It also exhibited the Project Execution skills of team KR and transformed BPCL to a well-integrated Petroleum Company with back to back synergies between Marketing and Refining. The guidance we received from the Senior Management in identifying and kick starting the petro chemical initiatives while conceptualising IREP helped us pave a strong foundation for our Corporation to face the challenging disruption in coming years due to anticipated changes in pattern of fossil fuel consumption.

A major challenge we managed through state of the art technology was handling Petcoke under IREP. Kochi being very fragile and eco sensitive with water bodies all around, there were apprehensions

raised on impact of Petcoke dust to the environment. Our covered petcoke conveyers and Petcoke storage inside covered dome which was proactively conceived, has been identified and is showcased as a great example of our concern for Environment and the neighbourhood. This model is now being adopted across the country and has virtually been bench marked for Petcoke handling.

Refining is a Capital Intensive business. Ultimately product value realization and value creation through increased GRM is what matters for us Refiners. Fluctuating crude prices and product cracks is a big challenge every Refiner is facing across the globe. Disruptive innovations and regulations as well as technology shifts has become the order of the day. Nevertheless KR is fully geared up and ready to face the challenges and the most disruptive days ahead.

For more than half a decade, KR has donned the role of an important employer, well-wisher and partner of the State and a sensitive collaborator with our community. With sustained investment and technology upgrades over the years, I feel we have grown into a truly global centre of excellence. As I read the writings on the wall, I feel that Kochi Refinery has always remained modern and competitive with the strength and resolve to have a future as strong as our past.

We have assets with infinite opportunities for value creation. Safety, as always needs to be our main stay while improving efficiency of Operation. Controlling and optimising the operating costs is another big challenge we have for which

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Nevertheless KR is fully geared up and ready to face the challenges and the most disruptive days ahead. Needless to say IREP was a big game changer for team Kochi Refinery.

conserving energy and controlling Loss needs to be our prime areas of focus. Optimal use of resources is the need of the hour.

The greatest strength of our Refinery is the most talented and dedicated man power. Every progress we have achieved so far can be fully attributed to this indomitable strength, which is unmatched.

Like a regular member of the Refinery, I'm attuned to the alarms, the calls of the sirens and alerts - all that makes me feel alive and relevant to this unique world. It's a kind of comfort and confidence developed over years of meticulous assimilation with the work, the people and the responsibilities, each of which I enjoy to the fullest.

Every day that I walk into the Refinery, I feel as if I'm entering my soul space. Because, it is here that I am truly me. It is here that I built my life.



New logo for integrated QMS of Kochi Refinery

Kochi Refinery now has a new logo for its Integrated Quality Management System.

The QMS Logo encompasses all the ISO certifications held by Kochi Refinery and represents the commitment Kochi Refinery has for the important aspects of Quality, Environment Health & Safety. The tagline 'Safer, Cleaner, Greener' on the Logo emphasizes the vision and mission of HSE.

The logo was unveiled recently by former ED(KR) Mr. Prasad K Panicker and the winner received the prize from Mr. P Murali Madhavan, ED(KR).

Several entries were received to the competition for KR employees to design a suitable logo for QMS section. The design displaying all



the ISO certifications held by Kochi Refinery while communicating the concept of QMS was the basis for selecting the winner of best Logo design. Mr. Pradeep Kumar PP of P&U (Electrical) was declared winner and he received the cash prize of Rs. 6000.



Petchem lab opened

Mr. Prasad K Panicker, then ED (KR) released the latest product specifications booklet in the presence of Mr. P Murali Madhavan, then ED (RO) in December 2019. The booklet published by Kochi Refinery Quality Control contains specifications of all products including BS VI, Petrochemicals and IQCM requirements. The booklet also has a brief note on significance of critical tests. Mr. Panicker released the book after he inaugurated the Petrochemical Laboratory at the Centralised Quality Control Department on 9 December 2019.



Petchem site office inaugurated at Jwalagiri

The Petchem site office has begun its operation at the site office at Jwalagiri further to the relocation of CR School to its new premises in Vandipetta. Mr. Prasad K Panicker, then ED(KR) inaugurated the site office in the presence of Mr. R

Ramachandran Director (Refineries) in December 2019. Director (R) subsequently addressed the project team at the first review at the new site-office. The team has drawn up their vision and mission targets to go ahead in full throttle.

New flame proof elevator at FCCU inaugurated

The new passenger cum goods flame proof lift at FCCU was inaugurated by Mr. Prasad K Panicker, then Executive Director (Kochi Refinery) in the presence of Mr. Murali Madhavan, present Executive Director (Kochi Refinery) and Chief General Managers Mr. Mohanlal A and Mr. Babu Joseph.

Songsan Special Elevators Co Ltd, South Korea and was installed and commissioned by M/s Empire Industries Limited. The lift replaced the age old OTIS elevator which was being used in the FCCU plant for operational requirements. The entire work of dismantling the old lift and installation and commissioning of new lift was completed in a time period of 4 months.

The flame proof lift can carry a safe working load of one Tonne and can travel with a speed of 1M/s through the entire FCCU tech structure to a height up to 41m. The lift is also equipped with additional safety feature of Automatic Rescue Device to take care of safe operation in the event of a power failure during the operation.

The Rs. 2.75 crore new lift, was supplied by M/s





Kochi Refinery emerge champions of all Kerala inter-industry HSE Quiz for Oil & Gas sector

Bharat Petroleum bags double honours at the 2nd Inter industry HSE quiz for oil and gas sector organised by Petroleum and Explosives Safety Organisation (PESO), Kerala in association with Indian Institute of Chemical Engineers (IICChE), Kochi Regional Centre and supported by Oil PSUs. Mr. Aadhil Ahamed, Senior Manager (Manufacturing) and Mr. HCM Gowd, Manager (Maintenance) of Kochi Refinery bagged the champions trophy and the winner's prize of Rs.50,000 at the finals in Kochi on 08 December 2019.

While team Kochi Refinery took home the ever-rolling trophy, Mr. Deepak Gopinathan Nair, Territory Coordinator (LPG), Thiruvananthapuram and Mr. Abhimanyu, Executive (Aviation), Thiruvananthapuram bagged the third prize. The team from IOC were the runners up.

Mr. Babu Joseph (Chief General Manager, HSE), Kochi Refinery, inaugurated the finals in Kochi at a function presided over by Dr R Venugopal, Deputy Chief Controller of Explosives, Kerala & Lakshadweep, who was also the quiz master of the

finals. Mr. Venkataraman Iyer, BPCL State Head (Retail), Kerala Mr. Sarabjit Singh, Chief Regional Manager (HPCL), Dr. P K Rana, Controller of Explosives and Mr. K F Sajo, Chairman, IICChE Kochi Regional centre were also present. Mr. V Harinath, Chief Manager (International Trade), BPCL was the quiz master of the south zone finals.

The HSE quiz is organised in December every year to commemorate the tragic Bhopal industrial accident and improve awareness on Health, Safety and Environment among employees in hazardous industries.






स्थापना दिवस FOUNDATION DAY

24 जनवरी, 2020

energising lives

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 BPCL KR Online



Spreading cheer with the differently abled

An exhibition and sale of merchandise handmade by differently abled children associated with our CSR projects was conducted on 3 December 2019 as part of the *International Day of Persons with Disabilities*.

Mr Ananthakrishnan G, Chief General Manager (Finance), Mr Subramoni Iyer M R, Chief General Manager (Operations

& Commissioning), Mr. Mohanlal A, Chief General Manager (Engineering & Advisory Services) and Mr Kurian P Alappat, General Manager HR) I/C purchased their products to mark the inauguration of the exhibition.

Students from Adarsh Special school, Janey Centre, Foundation for Ability

Improvement and Technology for the Handicapped – India (FAITH India) and Mithram showcased their special skills at the stalls, exhibiting paintings, flowers, handbags, greeting cards, Christmas stars, decorations and more. Employees actively participated by purchasing the marvels. The programme was organized by the BPCL KR CSR Club

Top HSE Excellence Award for KR



BPCL-KR bagged the prestigious HSE Excellence Oil & Gas Company of the year Award for 2019. It is for the third consecutive year that BPCL-KR has been chosen for this recognition. The award was given at a function held at New Delhi on 5, 6 December 2019 organized by SYNEX Group. Mr. Babu Joseph, Chief General Manager (HSE), Mr. Roshan Shihab PM, DGM (F&S) and Mr. Ravinder Maan, Manager (F&S) received the award from Mr. Lalit Gabhane, Director-General, National Safety Council, Mumbai. With major excellence

awards such as this, Kochi Refinery is gaining international recognition at an established platform for knowledge sharing and industry networking.

This year the focus was on the importance of Safety Culture and Mr. Babu Joseph, chaired a session on *Occupational Health & Safety in HSE: The tools for High Performance*.

The event was attended by top business leaders and international experts from the industry. Synnex Award was organized by Synnex Business Media Pvt. Ltd.

jan aushadhi

at Kochi Refinery

The Jan Aushadhi Medical Store at Akshaya Bharat Complex of Kochi Refinery at Ambalamugal was inaugurated by Mr. Prasad K Panicker, then ED (KR) in the presence of ED(RO), Mr. Murali Madhavan P. The Pradhan Mantri Jan Aushadi Yojana is an initiative for making quality medicines available at affordable prices for all, particularly the poor and disadvantaged, through exclusive outlets to reduce out of pocket expenses in healthcare. The Jan Aushadhi Medical Store has been being implemented as part of Kochi Refinery's CSR Health Care initiatives and is being operated by the Kochi Refinery Co-operative Store.

Acknowledging the

OVERALL PERFORMANCE- UNITS



Winner : Team CDU-2 received the Champions Trophy and prize money of Rs. 50000/-



1st Runner up : Team CDU-3 received a trophy and prize money of Rs. 25000/-



2nd Runner up : Team NHT-ISOM received a trophy and prize money of Rs. 15000/-

Process Safety Management (PSM) is an enabler in setting new benchmarks in the field of Safety at the macro level by managing systems, processes and behaviours at micro level and also strike a good balance between processes and safety, leading to enhanced safety and productivity.

The PSM Journey at Kochi Refinery started towards the fag end in 2017 and is approaching the last lap to achieve the ambitious Vision 2020. The target of implementing 17 PSM elements in all the 17 process units was successfully done and we are only an arm's length away from our target of 80% overall score by March 2020. To take stock of where we stand and appreciate and acknowledge the best contributors and performers in our PSM journey, the Process Safety Awards "Acknowledging the Achievers" was organized at Kochi Refinery on 27 December 2019.



Achievers



Prasad K Panicker



Babu Joseph

OVERALL PERFORMANCE- ELEMENTS



Winner : Team SOP received a trophy and prize money of Rs. 25000/-



M. K. Ramachandran



1st Runner up : Team T&PA received a trophy and prize money of Rs. 15000/-



2nd Runner up : Team PSI received a trophy and prize money of Rs. 10000/-

The winners were felicitated by Mr. Prasad K Panicker, then ED(KR) in charge, Mr. P. Murali Madhavan, then ED(Refinery Operations) and Mr. Babu Joseph, CGM (HSE), Kochi Refinery. The Jury's awards were presented by Mr.Subramoni Iyer M R, CGM (Operations & Commissioning), Mr. Suresh John, CGM (Projects) and Mr. N V Subba Rao, Chief Executive, M/S Cholamandalam MS Risk Services. The program received tremendous participation from all the employees across the refinery.

Team CDU 2 bagged the overall championship trophy and cash prize of Rs.50,000 of the first Process Safety Awards. Hearty congratulations to winners in all the four category of awards.

SUBSTANTIAL IMPROVEMENT IN PSM -UNITS (JURY'S CHOICE)



Team Utility (Refinery)

SUBSTANTIAL IMPROVEMENT IN PSM - ELEMENTS (JURY'S CHOICE)



Team CSM



Team DHDS



Team MIQA



Team Tank Farm - 1



GOLD at South Asian Games

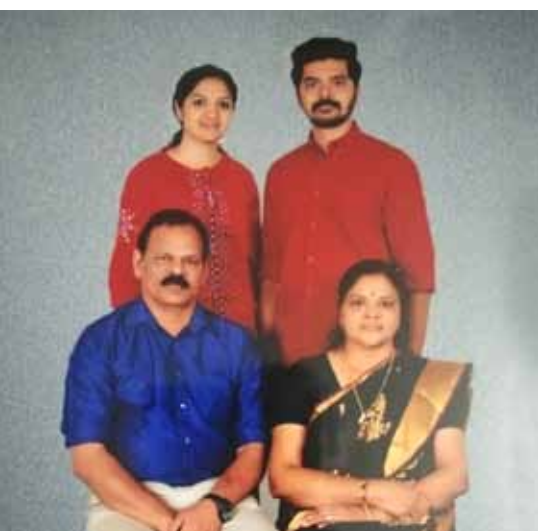
BPCL players has done us totally proud as members of the Indian team that bagged the **Volleyball GOLD** at South Asian Games. Hearty congrats to team India on the spectacular win and huge applause to our colleagues **Jerome Vinith** (Captain), **Akhin** and **Ajithlal**. India defeated Pakistan in the final of the South Asian Games (SAG) 2019 volleyball, to clinch the gold medal in December 2019.

Supporting greening initiatives of Coastal Police, Kochi

Kochi Refinery is extending support to the greening initiatives of Coastal Police, Fort Kochi. To begin with, a rain-water harvesting project and vegetable garden has been initiated at the Police Station. The project was inaugurated by AIG(Coastal) Mr. Alex John IPS who unveiled the inaugural plaque on 18 December 2019. Mr. Philly Cherman, DGM(Oil Movement & Stock) inaugurated the new garden. Mr. Chrispin Sam, CI (Coastal Police) was also present.



Vasudevan bids adieu



Vasudevan **K** is bidding adieu after his second stint of service, the first being in the Indian Navy for 15 years and the next twenty years plus in Kochi Refinery. He joined Kochi

Refinery security department in 1996 and he feels that his stint at Kochi Refinery has given him wider exposure to safety and security mechanisms at a large installation. The technology developed for tightening security has always amazed him, he said.

After a totally satisfying career, he looks back with pride of having been part of the Indian Navy as well as of his services to the biggest PSU Refinery in India. He takes home many memories of good friendships, courteous colleagues and considerate seniors. Being part of the IREP, the biggest transformation project of Kochi Refinery is what he has cherished the most.

Vasudevan is married to Meena

and they have been blessed with two children. The elder son, Vinod is working with Syndicate Bank in Vadakara, Calicut and their daughter Vineetha who has completed her B-Tech is pursuing her professional training in CADD.

He has settled at Vadakkekotta, Tripunithura and would like to take life slowly as it comes in the days ahead.

JwalaDhwani wishes him and his family healthy and peaceful days ahead.

His Address :

Sreebhavan, Manjeli Padam Road, Eeroor West PO, Tripunithura - 682306

[T] : 8281741104

[E] : vaskvasudevan@gmail.com

SERVICE CITATION

35 YEARS



Toms Varghese
HSE-Environment



Ismail A
HR



Bindu M C
CPO (KR)



Anil B
OM&S



Rajeev R
HR



Biju G
HSE-QMS

20 YEARS

30 YEARS



Mathews M John
Manufacturing



Roopesh M
Maintenance



China Mothi
Lal Ketavath
Petchem



Ajith Babu S
OM&S



Ajikumar A K
Maintenance



Rajesh G R
Maintenance

PROMOTIONS

CPO (KR)

PURCHASE ASSISTANT - Radhakrishnan P

FIRE & SAFETY

SENIOR FIRE OPERATOR

Joy Joseph, Satheesh Kumar S,
Shinto Simon,

FIRE OPERATOR V - Antony Xavier K A

MAINTENANCE

SENIOR INSTRUMENT CRAFTSMAN

Salim Raj P R

MACHINIST/MECHANIC CRAFTSMAN

Saji Antony

FITTER CRAFTSMAN

Jithesh K, Lalit Kumar Soy

INSTRUMENT CRAFTSMAN

Antony K S, Ranjith E K

CRAFTSMAN TRAINEE

Suraj V K, Bineesh K B, Sujith P S

GENERAL WORKMAN- A

Vipin C George, Gopakumar T S, Suresh M,
Mahadev, Ranjith K K, Rateesh P N

MANUFACTURING

OPERATOR-A

Biju Poullose, Jibu M T, Vinod K K,
Rajesh R, Rajeesh P T, Ratheesh Kumar K A,
Aneesh Kumar K V, Binu Varughese

OM&S

OPERATOR - A - Chacko T J

ASSISTANT - Sanjaikumar V B

OPERATOR - C - Subhash K R

P&U - UTILITIES

OPERATOR-A - Sunil A S

PETCHEM

OPERATOR- A - Gijo George

PROJECTS - PDPP

INSTRUMENT CRAFTSMAN - Aneesh C Skariya

CRAFTSMAN TRAINEE - Sreejith P S

PROJECTS UNITS

DRAFTSMAN- A - Rajesh K P

QC

SHIFT CHEMIST-A - Pradosh A B

ATTENDANT-A - Shyamkumar S K, Pramod P

ATTENDANT-B - Aneesh P G, Tony Thomas
Vishnudev G S, Saneesh P S

Transfers

GENERAL MANAGER

HR (In-Charge) - Kurian P Alapatt

D.G.M

Petchem - Mahendiran A



“ORBIT” bags par excellence award

KR team “ORBIT” has bagged the PAR EXCELLENCE AWARD in their maiden participation in the National Convention on Quality Concepts (NCQC-2019) at IIT- Banaras Hindu University, Varanasi. The event during 26-29 December 2019 saw around 2000 teams and

more than 10000 participants. Kochi Refinery team included Madhusudanan Nair. K (Facilitator), Dr Pratheesh.V.B (Leader), Prathapachandran.C (Deputy Leader), Midhun K.M (Member), Varun.M (Member) and Seshadri Kalapati (Member) from KR Quality Control Department.

SUPERANNUATION



Mr. Vijayakumar P S, Assistant, joined Kochi Refinery in S&OM Department in 1986 and is retiring from HR department this month.



Mr. Thomas Mathew, Assistant Manager (Utilities), joined Kochi Refinery in S&OM Department in 1983 and is retiring from P&U department this month.



Mr. Jayan M P, D.G.M. (E&C), joined Kochi Refinery in S&OM Department in 1984 and is retiring from E&C department this month.



Mr. Mohanakumar V, Fire Operator VI, joined Kochi Refinery in the Security Department in 1999 and is retiring from Fire & Safety department this month.



Mr. Vishwanatha Nair D, Operator-B, joined Kochi Refinery in the Security Department in 1999 and is retiring from OM&S department this month.

Condolence

Sanjaikumar V B (OM&S) on the sad demise of his mother

NEWLY WEDED



R. Rajesh (P & U- Electrical) and Sruthy .S

OBITUARY



We deeply mourn the sad demise of **Mr. C N Sreedharan** who passed away on 15 November 2019. He had retired from the service of Kochi Refinery on 30 September 2006 from P & CS department. He is survived by his wife Mrs. Leela Sreedharan and sons Arun and Anoop. Post retirement Mr. Sreedharan had settled at Thiruvamkulam.



We deeply mourn the sad demise of **Mr. T Kumaresan** who passed away on 31 Dec. 2019. He was 69 years old and he had retired from the services of Kochi Refinery from P&U-Utility Department in Jan 2011. He is survived by his wife Thayamma and children Madhu and Manu.



Safe Operation of Forklift training in progress on 17 - 18 Dec 2019 at Maintenance Conference Hall with participants from Maintenance and CPO-KR. The faculty was Mr. S.B. Shaikh from M/s. Forklift Training Academy, Pune.

Learning & Development: Enabling agility to the KR workforce

Effective training and skill development is the backbone of any agile workforce in today's fast changing world. The Learning & Development (L&D) team of Kochi Refinery has been actively engaging the workforce at all levels organizing training & development programs. As on 31 December 2019, the Cumulative Training Mandays are at 6019.5 against the yearly target of 8000 till 31 March 2020.

In 2018, the focus has been on Technical Skill Development. The L&D team has worked closely with the Operations team and has endeavored to deliver world-class programs for the respective teams. Additionally to innovate and add variety to the learning experience, talks by eminent speakers were also organized.

Key programs that were organized this month include:

- 5-6 Dec. VLP for Polyol Team program held at KRLC, City Office. Twenty-four

Management staff of KR Projects attended. First time, the PMC, M/s. Flour Daniel officials too participated.

- 19 Dec. Risk based Inspection and Basic training on Instrumentation conducted at IPTC, Ambalmugal. Eleven Management and 15 Non management staffs attended the training.

- 17-18 Dec. Forklift Operators training was organized at IPTC, Ambalmugal. Twenty Non management staff attended the program.

- 10 Dec. *Emergency Preparedness* conducted on Dec. 10, 2019 at KRLC, City Office. Eighteen Management staff attended the program.

- 16-18 Dec. As a part of the Behavioral Learning Framework Kalpavriksh - Effective Contributor's Program was at KRLC City office. Nineteen Management staff attended the program.

- 19-21 Dec. As a part of the

Behavioral Learning Framework Synchrony – Delivering Results through Others was conducted at KRLC, City office. Eight Management staffs attended the program.

- 17 Dec. Guest Speaker Series: Talk by Dr. M.C. Dileep Kumar, Former Vice chancellor, SreeSankara Sanskrit University, Kalady Kerala on "Gandhian Principles in Contemporary Corporate World" at KR Auditorium. Around 22 Management and Non-Management staffs attended the talk.

- A customized one day training program on *Latest trends in Instrumentation & Control* conducted at Training Hall. 21 Management staff attended the program.

- Overview of Refinery & Security Potentials & Plants Visit" for Territorial Army was conducted at Ambalamugal.

- Overview of Refinery Operation and Finance Management was conducted for Association of Chartered Accountants & Auditors conducted at KRLC.

Awarded with Cheese!

Change happens when the pain of holding on becomes greater than the fear of letting go."

– Dr. Spencer Johnson

On 4 December 2019, Refinian Toastmasters Club celebrated its 350th Meeting with a special event, Book Review Meeting. One of the bestsellers, "Who Moved My Cheese?" by Dr. Spencer Johnson, was the book the book selected for review. Five speakers contested amidst stiff competition. Their review and presentation were really awe-inspiring and left the audience with a thought-provoking take away - "The quicker you let go of old cheese, the sooner you find new cheese."

An eminent panel of judges had the tiresome task of judging and finding out the best speaker and special mention. The criteria for judging were speech content, development, speech value based on book, presentation style and language appropriateness.

Ms. Keerthana Rao, received the Best Speaker award and **Mr. Milind Dekate** received the Special Mention award. Another highlight of the day was **Toastmaster Koteswara Rao**, who bagged the coveted Best Toastmaster of the year

award. This award is conferred to an individual who has showcased relentless service and impeccable dedication towards the toastmaster fraternity.

Toastmasters International is a nonprofit organization founded by the great

Refinian Toastmasters Club celebrated its 350th Meeting with a special Book Review session.



Best Speaker



Special Mention



Best Tostmaster

visionary Dr. Ralph C Smedley on 22nd October 1924 at the basement of YMCA in Santa Ana California, USA, to improve the communication & leadership skills of his fellow human beings.

Refinian toastmasters club meets at 5:15 pm on every Wednesday at Main Conference Hall, Admin Bldg. Those who would like to improve their communication and leadership skills are most welcome to join the club with a mail to

surajs@bharatpetroleum.in





CRS Annual sports day

Aim higher for all that you do in life," said Mr. Prasad K Panicker, then ED(KR) who inaugurated the Annual Sports Day of CR School. He inspired them to start early as achievers and keep the spirit high in all modes at study and sports. "Success comes to those who persevere, so make perseverance a habit", he urged the young athletes as he declared the meet open. Ms. Mala B Menon, Principal, CR School also spoke.



enthralled the audience with their colourful aerobic show. Games captains lit the torch and the chief guest received the salute from the students. Various track and field events followed. The much awaited relay was the concluding event of the sports meet that witnessed two days of tough and healthy competitions among the four houses. **Sagar House** lifted the Champions trophy this year. The annual sports day concluded with a mega zumba dance, that had the whole school dancing in unison.

The annual sports was held in the last week of November, 2019. The primary sports was inaugurated by Vice Principal Mr.S Devideyal. Games captains **Abhay P A** and **Merin Chacko** took the oath, that was followed by the colourful march past . Primary children

“Aim higher Success comes to those who persevere, so make perseverance a habit” - Mr. Prasad K Panicker



- Individual Champions 2019-'20**
- Sub Junior Boys** - Anirudh Suresh (Sagar),
 - Sub Junior Girls** - Joan Sebastian (Sagar),
 - Junior Boys** - Johan Shaji (Sagar),
 - Junior Girls** - Poornendhu R (Gagan),
 - Senior Boys** - Abhinav S (Sagar),
 - Senior Girls** - Sandra P L (Prithvi),
 - +2 Boys** - Atul Pinherio (Sagar),
 - +2 Girls** - Merin Chacko (Agni).





Last bell at CR School, Jwalagiri

After functioning for 53 years at Jwalagiri, Cochin Refineries School relocated to its new premises at Vandipetta. Alma Mater to generations of students, this school has remained a special place where they have left their childhood behind. So all the stakeholders namely the school, PTA and Smrithi came together to give their beloved school a grand and befitting farewell in a function on 30 November 2019 at 5.30 pm, which they poignantly named *The last bell at Jwalagiri*.

The official programme was inaugurated and addressed by Mr. Prasad K Paniker then ED, KR. After the welcome speech by the school Principal

Ms Mala B Menon, there were felicitations by Mr. Mohanlal, representing Smrithi, Mr. K N Ravindran former School Board Chairman, Mr. S Somashekar Ex school board Chairman, Mr. K N Vishwambaran Ex Vice Principal and Mr Ajithkumar PTA President.

The cultural extravaganza included Samaksham, dances by the alumni and the songs by retired teachers. Unique event connected our old and new school in a *pebble for your Memory*. The school was kept open for 2 hours for former students to revisit their familiar corridors. Vice

Principal Mr. S Devidayal proposed the vote of thanks.

The mega Garba dance at the oval and a candle light walk brought to a close the glittering CRS chapter at Jwalagiri.





CR School shifts to new address - Vandipetta, Thiruvaniyoor

For all new beginnings, the blessings of God is sought. To remove all hurdles and for an auspicious start in the new school campus at Thiruvaniyoor, a Pooja was performed on 2 December 2019 at 5.30 am in the school. Mr. Prasad K Panicker then ED, (KR), Mr. Murali Madhavan then (RO), PTA President Mr. Ajith Kumar, teachers and students attended the puja.



Diwali at CRS with lamps and dances

Diwali was celebrated in C R School primary section on 7 November 2019 to spread awareness on the various traditions and cultures practiced in India. The Principal and Vice Principal graced the occasion. The students were heralded into a room lit up with diyas symbolising the victory of light over darkness. The programmes included a skit which depicted the story behind the celebration. Ms Nimmy, teacher, narrated the story about the relevance of Diwali in South India. Ms Anju, teacher, enlightened the students about the need to avoid bursting of crackers and to use clay diyas to a pollution free environment.

students added pomp to the function. Traditional sweets were brought by the students and exchanged among themselves instilling the joy of sharing.



A colourful dance and a melodious song by the





दादी माँ

राधव अपने माँ बाप के साथ राजस्थान के जयपुर में रहता था। वह तीसरी कक्षा में पढ़ता था। उसके साथ उसकी दादी भी रहती थी। उसके दादा जी का स्वर्गवास हो चुका था। उसकी दादी बहुत बूढ़ी थी। वह अपनी दादी का बहुत ख्याल रखता था। हमेशा स्कूल से आने के बाद दादी ही तो थी जो उसके साथ हमेशा खेला करती थी। उसके माँ-बाप को तो फुरसत ही कहाँ थी राधव के साथ समय बिताने की। उसके पापा अमेरिकन एम्बेसी में काम करते थे और उसकी माँ सारा दिन अपने सहेलियों के साथ गपशप में लगी रहती थी।

राधव और उसकी दादी घर का पूरा ख्याल रखते थे। राधव को जो भी कहानी सुननी होती थी, उसकी दादी उसको बड़े प्यार से सुनाती थी। उसके साथ बाज़ार जाती, उसको झूला झुलाती। उसकी दादी का मानो सारा संसार राधव में बसता था।

राधव की दादी बूढ़ी हो चली थी। राधव की माँ उसकी दादी को बिलकुल भी पसंद नहीं करती थी। क्योंकि दादी का बहुत सारा ध्यान जो रखना पड़ता था। बूढ़ी आयु में दादी को देखने में तकलीफ होती थी। उनसे तो चला भी नहीं जाता था। यही बात राधव की माँ को नहीं पसंद थी, दादी की दवाई से लेकर उसका सारा ध्यान राधव ही रखता था। एक दिन राधव घर में नहीं था। उसकी स्कूल पिकनिक में गयी थी। उसकी दादी को कहीं भी नहीं ले जाना चाहती थी। यह देखकर दादी बहुत दुखी हुई।

रात में जब राधव का पापा घर पर आये, तो माँ ने दो टूक शब्दों में समझा दिया-बोली अब और नहीं हो सकता, दादी को वृद्धाश्रम में छोड़ आओ। जब राधव के पापा और राधव ने रोकना चाहा तो उसकी माँ चिल्लायी और बोली, जैसे बरतन पुराना हो जाने पर हम उसे बदल देते हैं, वैसे ही दादी भी अब पुरानी हो चुकी है।

लाख समझाने के बाद भी वह नहीं मानी, तब राधव के पापा ने दादी को वृद्धाश्रम में ले जाने के लिए हावी भर दी।

सोमवार की शाम को दादी का बस का टिकट कटा दिया गया और राधव और उसके पापा दादी को बस अड़्डे छोड़ने आए। दादी और राधव दोनों बहुत उदास थे। राधव बहुत कुछ करना चाहता था, बस छोटा होने की वजह से कुछ कर नहीं पा रहा था।

राधव की दादी बहुत देर तक बस की खिड़की से राधव को देखती रही। दोनों की आँखों में आँसू आ गये। माहौल गम से भर गया। राधव के पापा ने राधव को पकड़ा और बस ड्राइवर

को जाने को बोल दिया।

भारी मन से राधव घर आया। पर अन्दर ही अन्दर वह बहुत उदास था। उसको समझ नहीं आ रहा था कि वह क्या करे। दिन-रात वह दादी को घर पर लाने के लिए सोचता। वह अपनी माँ को बहुत समझाता, पर उसकी माँ बिलकुल भी सुनने को तैयार नहीं थी।

एक दिन भारी मन से राधव गुड्डे-गुड्डियों के पास बैठा था। तभी उसको एक तरकीब सूझी।

उसने गुड्डे-गुड्डियों के साथ अच्छे से खेलना शुरू कर दिया। उस दिन उसने दोपहर का खाना भी खाया। वह पाँच दिन से खाना नहीं खा रहा था। ये देखकर राधव की माँ बहुत खुश हुई। शाम तक राधव गुड्डे-गुड्डियों से खेलता रहा। उसके पापा भी आ गये। राधव ने अपने पापा और माँ को गुड्डे-गुड्डियों का खेल दिखाया।

उसने बताया कि एक गुड्डा पापा बना है, एक गुड्डिया माँ बनी है, और एक छोटा सा गुड्डा लड़का बना है। उसको खेलता देख राधव के माँ-बाप बहुत खुश हुए। वो टी वी देखने हॉल में चले गए। काफी देर तक वे टी वी देखते रहे।

अचानक से उन्हें चिल्लाने की आवाज़ें आने लगी। वे राधव के कमरे की तरफ भागे। राधव गुड्डे-गुड्डियों से खेल रहा था। लेकिन वह खेल उनकी आँखें खोल देने वाला खेल था।

जो गुड्डिया बच्चा बना था, वो चिल्ला रहा था। कह रहा था -बहुत हो गया मम्मी व पापा। जब मिट्टी के बरतन पुराने हो जाते हैं, तो उनको फेंक दिया जाता है। जाओ अब पापा गुड्डिया और मम्मी गुड्डिया तुम लोग भी पुराने हो गए हैं। गन्दी और मैली हो गयी है। मैं अब तुम लोगों को वृद्धाश्रम में छोड़ के आता हूँ। चिल्लाते-चिल्लाते राधव की आँखों में आँसू आ गए, दादी के बारे में सोचकर।

जीवन का रंग

लाए खुशियाँ जीवन में हर रंग,
कुछ ऐसे हैं ये अनमोल रत्न ।

कभी माँ के खाने में प्यार का रंग,
कभी बहन की राखी में विश्वास का रंग,
हर पहलू में है प्यारे रंग ।

कभी ईद का तो कभी होली का रंग,
कभी क्रिसमस का तो कभी लोहड़ी का रंग,
हर त्योहार में है खुशी का रंग ।

कभी पापा की बातों में सीख का रंग,
कभी सफलता में छुपी मेहनत का रंग,
आगे बढ़ना भी दिखाता है निराले रंग ।

कभी बारिश के सुहाने माहौल का रंग,
कभी बाग में खिलते गुलाब का रंग,
लुभाते हैं हमें प्रकृति का हरेक रंग ।

भेदभावों को मिटाके रहना होगा संग,
सजाना है अगर ज़िंदगी का हरेक रंग ।



परवेश कादियान
विनिर्माण



प्रशासनिक शब्दावली

Thriff - मितव्यय

Through proper channel
- उचित माध्यम से

Thruput - संवेशप्रवाह

Time schedule - समय सूची

Time table - समय सारणी

Timed Programme

- नियतकालिक कार्यक्रम

Timely action - समय पर कार्रवाई

Title - शीर्षक

To - सेवा में

To write back - प्रतिलेखन

To write down - अवलेखन

To write off - अपलेखन

Tool - औजार

Top - शिखर

Top priority - परम अग्रता

Topic - विषय, प्रसंग

Total - योग, जोड़, कुल

Total installed cost -

कुल स्थापित लागत

Tour programme - दौरा कार्यक्रम

Trace- पता लगाना

Trade - व्यापार, व्यवसाय

Trade mark - व्यापार चिह्न

Trade union - श्रमिक संघ

Traffic - यातायात

Trainee - प्रशिक्षणार्थी

Training Centre - प्रशिक्षण केंद्र

Training, in service

- सेवाकालीन प्रशिक्षण

Training programme

- प्रशिक्षण कार्यक्रम

Transfer - बदली, अंतरण



Transhipment - यानांतरण

Transit - संक्रमण, पारवहन

Transit charge - पारगमन शुल्क

Transit Insurance - मार्गस्थ बीमा

Transmission - संचारण

Transmitted - प्रेषण, बाहर भेजना

Transportation - परिवहन

Travelling allowance- यात्रा भत्ता

Treasury - कोष, खजाना, राजकोष

Treasury bench - सत्ता पक्ष

▶ यह सब कुछ देखकर राघव के माँ-बाप की आँखों में आँसू आ गया। वे समझ चुके थे कि रिश्ते कभी पुराने नहीं होते। बच्चे अपने माँ-बाप का कर्ज कभी नहीं चुका सकते।

जो बात उनकी समझ में अब तक नहीं आयी थी, वह बात राघव ने खेल-खेल में अपनी माँ बाप को समझा दी।

अब वे रिश्तों का महत्व समझ चुके थे। उसी रात वे सब दादी को लेने वृद्धाश्रम पहुँच गए। दादी उन सबको देखकर

रो पड़ी। सबकी आँखों में आँसू थे। पर वो खुशी के आँसू थे। रिश्तों के, प्यार के, आँसू।



अंकुर मिश्रा
सलाहकारी सेवाएं

ശ്രീബുദ്ധന്റെ നാട്ടിലേക്കൊരു തീർത്ഥയാത്ര

ആഗസ്റ്റ് 9, 2019, കാലത്ത് 7 മണിക്ക് ഞങ്ങൾ 23 പേർ അടങ്ങിയ ഒരു സംഘം കരിപ്പൂർ വിമാനത്താവളത്തിൽ നിന്നും പുറപ്പെട്ട് ശ്രീബുദ്ധന്റെ നാടായ നേപ്പാളിലേക്ക് യാത്ര തിരിച്ചു. ഏകദേശം രണ്ടുമണിയോടെ ഞങ്ങൾ 'ഗോരഖ്പൂർ' വിമാനത്താവളത്തിലെത്തി. അവിടെ നിന്നും ബസ്സുവഴി 'ഇന്ത്യാ-നേപ്പാൾ' അതിർത്തിയായ ബൊനാലിയിൽ 8.45 ഓടെ എത്തി.

അവിടെനിന്നും 10.45 ആയപ്പോഴേക്കും ഞങ്ങൾ ഭൈരവി എന്ന സ്ഥലത്തെത്തി. അന്നവിടെ താമസിച്ചു. ഞങ്ങൾ പ്രഭാതഭക്ഷണത്തിനുശേഷം കാർമണ്ഡുവിലേക്ക് പുറപ്പെട്ടു രാത്രി പതിനൊന്നു മണിയോടെ അവിടെ എത്തി. പിറ്റേദിവസം കാലത്ത് പ്രസിദ്ധമായ പശുപതി ക്ഷേത്രം കാണുന്നതിനായി പോയി. അവിടെ ശിവന്റെ ഒരു വലിയ പ്രതിമയുണ്ട്. അതിന്റെ അടുത്ത് 545 ശിവലിംഗങ്ങൾ വെച്ചിട്ടുണ്ട്. ഏകദേശം ഒരു മണിക്കൂർ വേണം ഈ ശിവലിംഗങ്ങൾ ചുറ്റിവരുന്നതിന്.

പശുപതി ക്ഷേത്രത്തിനു പിന്നിലായി ഭാഗീരഥി നദി ഒഴുകുന്നു. ആ നദിയിൽ, മരിച്ച ഒരു സ്ത്രീയുടെ ശരീരം ഭംഗിയായി കുളിപ്പിച്ച് നല്ല വസ്ത്രം ധരിപ്പിച്ച് പുഴയിൽ ഒഴുകുന്നതു കണ്ടു. അതായിരിക്കാം അവിടുത്തെ പതിവെന്നു തോന്നുന്നു.

അതിനുശേഷം ഞങ്ങൾ 'സാംഗ' എന്ന സ്ഥലത്തേക്കാണ് പോയത്. അവിടെ ലോകത്തിലെതന്നെ ഏറ്റവും ഉയരംകൂടിയ (143 അടി) ശിവവിഗ്രഹമുണ്ട്. ഇവിടെത്തന്നെ മഹാവിഷ്ണുവിന്റെ വലിയ ഒരു വിഗ്രഹം ജലത്തിൽ കിടക്കുന്നതുകണ്ടു. ജലത്തിൽ ശയിക്കുന്നതുകൊണ്ട് ഇതിനെ ജൽനാരായണൻ എന്നു വിളിക്കുന്നു. ഇവിടെ മഹാവിഷ്ണു ശങ്കരനാരായണൻ എന്ന പേരിലാണ് അറിയപ്പെടുന്നത്.

പിറ്റേദിവസം മനോകാമ്നാ ദേവി ക്ഷേത്രം കാണുന്നതിനായി പോയി. സാംഗയിൽ നിന്നും 4 കിലോമീറ്റർ അകലെയാണ് ആ ക്ഷേത്രം. റോപ്‌വേ വഴിയാണ് ഈ ക്ഷേത്രത്തിലേക്ക് പോവുന്നത്. ഒരു മലയിൽ നിന്നും മറ്റൊരു മലയിലേക്കാണ് ഈ റോപ്പ്‌വേ. താഴെ നാരായണി നദി ശാന്തമായി ഒഴുകുന്നു.

മനഃകാമ്ന എന്നാൽ മനസ്സിൽ ആഗ്രഹിച്ചതു തരുന്ന ദേവി. പണ്ട് അവിടെ നരബലി നടത്തിയിരുന്നതായി പറയപ്പെടുന്നു. ഇപ്പോൾ അതിനുപകരം കോഴിയെ

യാണ് കുരുതി കൊടുക്കുന്നത്. മനോകാമ്നയിൽ ദർശനം കഴിഞ്ഞ് ഞങ്ങൾ പൊക്രയിലെത്തി.

പിറ്റേദിവസം ഞങ്ങൾ പൊക്രയിലെ കാഴ്ചകൾ കാണുന്നതിനായി പോയി. ആദ്യമായി ഡേവിൽ വെള്ളച്ചാട്ടം കാണുന്നതിനാണ് പോയത്. ഇതിന് ഈ പേരുവന്നതിനു പിന്നിൽ ഒരു കഥയുണ്ട്.

ഡേവിൽ എന്ന പേരായ ഒരു വിദേശി അദ്ദേഹത്തിന്റെ ഭാര്യയോടൊപ്പം ഈ വെള്ളച്ചാട്ടം കാണുന്നതിനായി വന്നു. അബദ്ധത്തിൽ ഭാര്യ വെള്ളച്ചാട്ടത്തിൽ വീണ് ഒഴുക്കിൽപ്പെട്ട് മരിച്ചു. കുറച്ചുതിരച്ചിലിനു ശേഷം മൃതശരീരം കണ്ടെത്തി. ഇതിന്റെ ഓർമ്മയ്ക്കായി ഈ വെള്ളച്ചാട്ടത്തിന് 'ഡേവിൽ വാട്ടർഫാൾസ്' എന്ന പേരുവന്നു.

അതിനുശേഷം ഞങ്ങൾ 'ഗുപ്തേശ്വർ മഹാദേവ് കേവ്' എന്ന ഗുഹ കാണുന്നതിനായി പോയി. കരിങ്കല്ലുകൊണ്ടാണ് ഇതു നിർമ്മിച്ചിരിക്കുന്നത്. ഈ ഗുഹയിൽ കൂടി താഴത്തേക്കു നടന്നാൽ ഈ വെള്ളച്ചാട്ടത്തിന്റെ ഉറവിടം കാണാം. ഉദ്ദേശം രണ്ടുലക്ഷംപേർ വർഷംതോറും സന്ദർശിക്കുന്നുണ്ട്.

താഴത്തേക്കുള്ള പടവുകൾ കരിങ്കല്ലുകൊണ്ടാണ് നിർമ്മിച്ചിരിക്കുന്നത്. പാറയിൽ ഉറവുള്ളതുകൊണ്ട് നല്ല വഴുക്കലുണ്ട്. ഈ ഗുഹയുടെ തുടക്കത്തിൽ ഒരു ശിവലിംഗമുണ്ട്. അത് കാമയേനു എന്ന പശുവിന്റെ ചുവട്ടിലാണ്. അവിടെ ചെല്ലുന്നവർ പാലുവാങ്ങി ശിവന് അഭിഷേകം ചെയ്യുന്നു.

ഈ ഗുഹയ്ക്ക് മറ്റൊരു വിശേഷണം കൂടിയുണ്ട്. ഭാരതയുദ്ധം കഴിഞ്ഞപ്പോൾ അർജ്ജുനൻ കൃഷ്ണനോടു ചോദിച്ചു 'ഞങ്ങൾ കാരണം അനവധി പേർ മരിച്ചു' അതിനു പ്രായശ്ചിത്തമായി ഞങ്ങൾ എന്താണു ചെയ്യേണ്ടതെന്ന്. അതുകേട്ട് ചിരിച്ചുകൊണ്ട് കൃഷ്ണൻ പറഞ്ഞു 'മഹാദേവനോടു ചോദിക്കു എന്ന്' മഹാദേവൻ അതുകേട്ട് ഈ ഗുഹയിൽ ഒളിച്ചിരുന്നു. അതിനാൽ ഈ ഗുഹ 'ഗുപ്തേശ്വർ മഹാദേവ് കേവ്' എന്ന പേരിൽ പ്രസിദ്ധമായി.

അടുത്തതായി ഞങ്ങൾ 'മിൽക്കി റിവർ' കാണുന്നതിനാണ് പോയത്. ഈ പുഴയിലെ വെള്ളം പാലിന്റെ നിറത്തിലാണ്. ഇവിടെനിന്നും ഞങ്ങൾ പോയത് വിന്ധ്യാചാല വാസിനി ക്ഷേത്രം കാണുന്നതിനാണ്. അവിടെ ഹനുമാൻ രാധാകൃഷ്ണ, ലക്ഷ്മിനാരായണ, സീതാ-രാമ, ശിവലിംഗം എന്നിവ കാണാം.



Pancha Sila

- ▶ I observe, refraining from killing any living beings.
- ▶ I observe, refraining from talking what does the tongue not speak.
- ▶ I observe, refraining from committing sexual misconduct.
- ▶ I observe, refraining from telling any falsehood.
- ▶ I observe, refraining from taking any intoxicant or drug.

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Trust

ഒരിക്കൽ അവിടത്തെ രാജാവ് ഉറക്കത്തിൽ ഒരു സ്വപ്നം കണ്ടുവത്രെ, തന്റെ സഹോദരി വിന്ധ്യാചലത്തിലുണ്ടെന്ന്. അതിനെ രാജാവ് സഹോദരിയെ അന്വേഷിച്ചുപോയി. സഹോദരിയോട് ഒറ്റക്കിവിടെ ഇരിക്കേണ്ടെന്നും, കടെ പോരണമെന്നും പറഞ്ഞു. കുറച്ചുദൂരം കൂടെ യാത്രചെയ്തതിനുശേഷം, ഞാനിവിടെ ഇരിക്കുകയാണെന്നും, എന്നെ കാണേണ്ടവർ ഇവിടെ വരണമെന്നും പറഞ്ഞു. അങ്ങനെ വിന്ധ്യാചല വാസിനി എന്ന പേരുവന്നു.

പിന്നീട് ഞങ്ങൾ ബോട്ടിങ്ങിനാണു പോയത്. കായലിന്റെ നടുകൾ ഒരു ദേവി ക്ഷേത്രമുണ്ട്. അവിടത്തെ രാജാവ് ആരാധിച്ചിരുന്ന ദേവിയാണ് അത് ദൈരവി എന്നും വൈഗ എന്നും പേരുണ്ട്.

അടുത്ത ദിവസം നേപ്പാളിലെ സുര്യോദയം കാണുന്നതിനായി ഹിമാലയ സാനുക്കളിലുള്ള അന്നപൂർണ്ണയിലേക്കു പോയി. സമുദ്രനിരപ്പിൽ നിന്നും 1592 മീറ്റർ മുകളിലാണ് സാരംഗ് ഗോട്ട് എന്ന സ്ഥലം. കാർമ്മേലാ വൃതമായ അന്തരീക്ഷം കാരണം സൂര്യനെ കണ്ടതുപോലുമില്ല. ഉച്ചക്ഷേണത്തിനുശേഷം ഞങ്ങൾ ദൈരവിയിലേക്കു യാത്രയായി. പിറ്റേദിവസം പ്രഭാതക്ഷേണത്തിനുശേഷം ബുദ്ധന്റെ ജന്മസ്ഥലമായ ലുംബിനിയിലേക്ക് യാത്രതിരിച്ചു.

ലുംബിനി ഇപ്പോൾ നേപ്പാളിലെ കൾച്ചറൽ ടൂറിസം & സിവിൽ ഏവിയേഷൻ മന്ത്രാലയത്തിന്റെ കീഴിലുള്ള 'ലുംബിനി ഡവലപ്പ്മെന്റ് ട്രസ്റ്റ്' ആണ് നോക്കി നടത്തുന്നത്.

ലുംബിനിയെ മൂന്നു ഭാഗങ്ങളായി തിരിച്ചിരിക്കുന്നു. The Sacred Garden, The monastic Zone, The New Lumbini Village. ലുംബിനിയുടെ കേന്ദ്രബിന്ദു Sacred Garden ആണ്. ഇതിന്റെ നടുകായി 'മായാദേവി' ക്ഷേത്രമുണ്ട്. കൂടാതെ ബുദ്ധന്റെ കാലത്തെ നഗരത്തിന്റെ അവശിഷ്ടങ്ങളും, അശോകസ്തംഭവും ഉണ്ട്. മായാദേവി ക്ഷേത്രത്തിൽ ബുദ്ധന്റെ ജന്മസ്ഥലം കാണിക്കുന്ന The Marker Stone ഉം Sacred Pond ഉണ്ട്. ഈ കൃഷിച്ചെടുത്ത അവശിഷ്ടങ്ങളുടെ ചുറ്റും സന്ദർശകർക്കായി വൃത്താകൃതിയിൽ ഒരു മുറിയുണ്ട്.

'മൊണാസ്റ്റിക്' മേഘലയിൽ മഹായാ, വജ്രയാന, തൈരാവാഡ എന്നിങ്ങനെ ബുദ്ധിസം പഠിപ്പിക്കുന്ന വിദ്യാലയങ്ങൾ ഉണ്ട്. അതിനുപുറമെ തീർത്ഥാടകർക്കും, സന്ദർശകർക്കും വേണ്ടി രണ്ടുധ്യാനകേന്ദ്രങ്ങളുണ്ട്.

ന്യൂലുംബിനി വില്ലേജിൽ ലൗകീകമായ പ്രവർത്തനങ്ങളും, ലുംബിനിയെ പറ്റിയുള്ള പ്രധാന വിവരങ്ങളും, സന്ദർശകർക്കായുള്ള സൗകര്യങ്ങളുമുണ്ട്. കൂടാതെ ഒരു വിവരകേന്ദ്രവും (Information centre), ലുംബിനി മ്യൂസിയവും, 'ലുംബിനി ഇന്റർനാഷണൽ റിസേർച്ച് സെന്റർ, അഡ്മിനിസ്ട്രേഷൻ സെന്റർ മുതലായവയുണ്ട്.

മറ്റു പ്രധാനകാഴ്ചകൾ... 1. Statue of standing Baby Buddha, 2. Central Canal 3. The Eternal Peace



Lamp, 4. The Peace Bell 5. The World Peace Pagoda, 6. The Lumbini Cramer Sanctuary

അശോകസ്തംഭത്തിന് 3 ഭാഗങ്ങളുണ്ട്. Monolithic Pillar, Lotus Bracket, Crowning figure. ഈ അശോകസ്തംഭത്തിന് 9.41 മീറ്റർ ഉയരമുണ്ട്. AD 1312 ൽ വെസ്റ്റേൺ നേപ്പാളിലെ രാജാവായ 'രിപുമല്ല (Ripumalla) ഈ സ്തൂപത്തിന്റെ കിഴക്കുഭാഗത്ത് മുകളിലായി (OM Mani Padme Hum, Ripumalla Chiram Jayatu' എന്നു കൊത്തി വെച്ചിട്ടുണ്ട്. ഇതുകൂടാതെ ഇവിടെ 16 സ്തൂപങ്ങളുടെ ഒരു സമുച്ചയമുണ്ട്. ഇത് AD 7-ാം നൂറ്റാണ്ടിലോ 8-ാം നൂറ്റാണ്ടിലോ ഉണ്ടാക്കിയതാണ്. 1976-77-ൽ ഈ സ്തൂപങ്ങളെ പുനർനിർമ്മിച്ച് അതിന്റെ കലാരൂപത്തിൽ ആക്കി വെച്ചു.

ശ്രീബുദ്ധന്റെ പഞ്ചശീല തത്വങ്ങൾ അവിടെ എഴുതി വെച്ചിട്ടുണ്ട്. അത് ഇപ്രകാരമാണ്. 1. ഞാൻ ജീവനുള്ള വസ്തുക്കളെ കൊല്ലുന്നതിൽ നിന്നും മാറിനിൽക്കുന്നു. 2. യജമാനൻ തരാത്തതിനെപ്പറ്റി സംസാരിക്കുകയില്ല. 3. ലൈംഗിക ചൂഷണത്തിൽ നിന്നും ഞാൻ മാറിനിൽക്കുന്നു. 4. നുണ പറയുന്നതിൽ നിന്നും ഞാൻ വിട്ടുനിൽക്കുന്നു. 5. ലഹരി പദാർത്ഥങ്ങളുടെ ഉപയോഗത്തിൽനിന്നും ഞാൻ വിട്ടുനിൽക്കുന്നു.

ലുംബിനിയുടെ കവാടത്തിൽ ലുംബിനിയുള്ള പ്രധാനപ്പെട്ട സാംസ്കാരികവും, പ്രകൃത്യാലുള്ളതുമായ കാഴ്ചവസ്തുക്കളുടെ ഒരു വിവരണവും എഴുതിവെച്ചിട്ടുണ്ട്.

ഇതെല്ലാം കൺകുളിർക്കെ കണ്ട് ആനന്ദനിർവൃതിയോടെ ഞങ്ങൾ നാട്ടിലേക്ക് തിരിച്ചു വരുന്നതിനായി ഗോരാക്പൂർ റെയിൽവെ സ്റ്റേഷനിലേക്ക് യാത്ര തിരിച്ചു. 16-ാം തീയതി കാലത്ത് 6 മണിക്ക് രപ്തിസാഗർ എക്സ്പ്രസ്സിൽ കയറി. 18-ന് ഉച്ചയോടെ ഈ യാത്രയുടെ മധുരസ്വപ്നങ്ങളുമായി ഞങ്ങൾ നാട്ടിലെത്തി. വീണ്ടും ഒരു നല്ല യാത്രയ്ക്കായി കാത്തിരിക്കുന്നു.



സത്യാചാര്യകാട്ടിപ്പിഷാരം

49th National Safety Day

Essay & Safety Slogan Competition



National Safety Council, India

National Safety Council - Kerala Chapter is conducting various competitions in connection with the 49th National Safety Day celebrations

In addition to the various competitions conducted in Malayalam, the following competitions are also conducted in English.

Employees who wish to participate in the competitions can submit their entries to the Safety Section (Room No. 262) on or before 09.00 am on 03 February 2020 for onward transmission to National Safety Council - Kerala Chapter.

Win Prizes

Essay Writing (English)

- TOPIC: "Safety Provisions In Motor Vehicles Rules - Your Suggestions".
- The essay shall not exceed 1500 words. The essay should be written neatly only on one side of the paper.
- Typewritten essays will not be accepted

Safety Slogan Competition (English)

- The slogan should convey a safety message in not more than eight words.
- Each individual is allowed to submit only a maximum of three slogans.
- The slogans should be written in an A4 paper.

Maximum number of participants is restricted to 5 in each category from an organization. The name and address of the participant shall be written in a separate paper and attached to the entries. Two prizes will be given in each category. Prizes will not be given if the total number of participants in an individual competition is less than four.

Prizes will be distributed in the general function organized as part of the National Safety Day on 04 March 2020. The venue and time of the function will be intimated later.



ईंधन अधिक न खपाएं आओ पर्यावरण बचाएं



◆ 16 जनवरी से 15 फरवरी 2020 ◆

शुभारम्भ द्वारा

श्री धर्मेन्द्र प्रधान

(पेट्रोलियम एवं प्राकृतिक गैस मंत्री; इस्पात मंत्री, भारत सरकार)

इंडिया हैबिटेट सेंटर, नई दिल्ली | 16 जनवरी 2020

