


# ‘Time to accelerate our efforts' 

## Dear Colleague,

After the rains of Midhunam and Karkadakam, we would soon be entering the golden Malayalam month of Chingam. The month of Onam is indeed a special time in Kerala. It is a time when we recall a golden era of unity, equality, truthfulness and prosperity. It is a time when nature is at its best. It is considered to be an auspicious time for new beginnings and of course to accelerate our efforts.
In many ways, this monsoon period would be indeed very special for all of us in BPCL Kochi Refinery. For one, our Integrated Refinery Expansion Project (IREP) is entering a faster track. During the Monsoon months we had braved the difficulties of rains and moved our Over Dimensional Consignments and have installed many of these machineries also. It is happy to note that we had completed two critical jobs of erection of one of the Coke Drums of the Delayed Cocker Unit and Main Fractionator of Petro FCCU in this difficult period. The physical progress of IREP as on today is 86 percent with 15,000 people working in IREP site.
Here comes the time when we need to step up the project implementation activities with more resoluteness and a sense of missionary zeal. More than any time, here comes a period in which we need to progress as one team facilitating the speedy completion of IREP.
This month would also mark the commencement of activities of our Propylene Derivatives Petrochemical Project (PDPP). The technology partners of PDPP have recently been appointed. Soon we would take the first physical step towards this ambitious dream project of BPCL.
We are also in the process of preparing ourselves for the approaching minor shut-down of Crude Distillation Unit I and FCC Unit essentially for hook up of old flare system to new IREP flare. We would use this opportunity to do minor repair/ modification jobs in these units. To complete the 15-days turnaround safely and in time would have a lot of bearing on our profit this financial year.
The first quarter was indeed a satisfying one for us. We had a profitable quarter which saw record production of Motor Spirit (523 TMT) and low fuel \& loss. It is indeed a good beginning and we need to keep up the tempo to have a profitable financial year ahead.
On Safety, as on 31 July we have crossed 40.46 million man-hours without lost time accidents. Also, contract employees inside Refinery crossed 22 million man hours and those in the IREP site covered 9.8 million man hours without lost time accidents. We should continue to adhere the safety systems and reinforce our commitment to this essential value which could only facilitate the sustainability of the organization.
As we embark on this period of enhanced activity we need to set our eyes always on safety and stay ahead in this race. SAFETY FIRST, SAFETY MUST.
Metaphorically said, we seem to be like in a snake boat race during the Onam season. Each one has his own role. But we need to stay united in the mission as a boat race team and take the final lap with rigorous momentum.

I wish you and your family a Happy and prosperous Onam.
Warm Regards,

Prasad K Panicker
Executive Director I/C (Kochi Refinery)

## Unifying Onam

Every festival has its unique message. For instance, Diwali denotes triumph of good over evil. Eid signifies brotherhood. Christmas denotes joy and merriment.

In many ways, unity is the essence of Onam. Pookalams that mark the festivities is a rare kind of group art. It is indeed a kind of floral jugalbandhi shaped by the unity of many hand and minds.

The famed snake boat race is another unique show of teamwork.
A Chundanvallam is set to life by a team of 111 people. Over 90 oarsmen to turn the lake face in to fire. Five men steer the boat and others cheer the team forward. At the lapse of a minute, the oars dip and flash over hundred times.

The speed is thrilling. But more than any trait, teamwork is the soul of this rare human feat of steering a single boat of 100 feet length by bringing together the hands and minds of over 100 men.

The essential unity and teamwork of a snake boat race is the soul of any great effort like the implementation of a project. Our IREP that has moved towards the faster track is a team effort of similar enormous proportion.

Teamwork and unity has helped us to reach this far. Let the same spirit set us on the leap forward.

This is dedicated to this spirit of Onam. JwalaDhwani wishes all readers a Unifying Onam.

Thought for the month

You have to dream before your dreams can come true.

- Dr APJ Abdul Kalam


PDPP: Technology partners appointed


Medical aid given to neighbouring poor


IREP Updates


धरती पर जीवन



## Editor

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Valsala Joseph/ Retd
Vidhya KV/ IS
Vilma Jaims/CR School

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Deputy General Manager (HR) I/C

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## Mailing address

Post Bag No. 2
Ambalamugal 682302
Ernakulam District
Kerala, India
Tel: 04842722061
Fax: 04842720856

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## Knights of fire win OISD individual award



Mr Naizu AV


Mr Chandra Babu S


Mr Rajeec KC


Mr Charles VT

M/s Naizu AV, Chandra Babu S , Rajeev KC and Charles VT won the OISD Individual Awards for their contribution in fighting YT-23 fire on the rainy night of 16 October 2013. They will receive the awards from the Hon'ble Minister of Petroleum \& Natural Gas at a function at New Delhi on 4 August.

## KOCHI REFINERY CLUB presents

## KALOTSAVAM-2015

KR Club invites all employees, spouses, children above 12 years and apprentice trainees to participate in the ARTS FESTIVAL scheduled to be conducted during September 2015. Variety of events to choose from:

## WRITING/PAINTING EVENTS

(Cartoon, pencil drawing, painting, essay writing, short story writing, poetry writing)

Categories:

1. General category (Employees, spouses)

- Above 40 years
- Below 40 years

2. Youth category (Children above 12 years and apprentice trainees)

## SINGLE EVENTS

(Light music, Nadan pattu, Mimicry, Mono act, Malayalam recitation, )
Categories:

1. General category (Employees, spouses)

- Above 40 years (Male )
- Above 40 years (Female)
- Below 40 years (Male)
- Below 40 years (Female)

2. Youth category (Children above 12 years and apprentice trainees)

- Male
- Female


## GROUP EVENTS

 quiz competition)

Categories:

- General category (Employees, spouses)
- Youth category (Children above 12 years and apprentice trainees)

For further details, please contact
Mr Binumon B (Ph:9895123522/282 1259),
Mr Anil Kumar PN (9497276682/282 1841)

## PDPP: Technology partners appointed



Mr P Kumaraswamy, $\operatorname{ED}$ (Project) signing the agreement with $M /$ Johnson Matthey Davy Technologies in the presence of Mr BK Datta, $\mathrm{D}(\mathrm{R})$, Mr Prasad K Panicker, ED(I/C) KR and other senior executives of BPCL and M/s JMD Technologies

License for using proprietary technology for the process units of Propylene Derivatives Petrochemical Project (PDPP) of BPCL, Kochi Refinery, is being sourced from internationally reputed licensors, who will also be providing the basic engineering package.
Germany based Air Liquide Global E \& C Solutions GmbH is the licensor for the Acrylic Acid process. Mitsubushi Chemical Corporation, Japan will extend technology for the Acrylates process. UK based Johnson Matthey Davy Technologies will supply technology for the Oxo Alcohol process.

BPCL's diversification project into Petrochemicals received Environment Clearance from Ministry of Environment, Forests and Climate Change on May 12, 2015. PDPP envisages utilization of Polymer Grade Propylene that would be available from the ongoing IREP, for production of Niche Petrochemicals.
PDPP envisages production of Niche derivatives of Propylene


Mr P Kumaraswamy, ED(Project) signing the agreement with M/s Air Liquide Global E\&C Solutions
such as Acrylic Acid, Acrylates and Oxo Alcohols, that are predominantly being imported into the country and is hence a 'Make in India' initiative.

Mr P Kumaraswamy, ED(Project) signing the documents with $\mathrm{M} / \mathrm{s}$ Mitsubushi Chemical Corporation, Japan


## New heights for Administration building

The Administration building has gained height with the construction of the 4th floor. Mr BK Datta, Director (Refineries) inaugurated the opening of the floor on 21 July in the presence of Mr Prasad K Panicker, ED I/C (Kochi Refinery), Mr CK Soman, GM (Operations), Mr PS Ramachandran, GM (Projects Units), Mr PK Suresh, GM (Finance), Mr MV Prabhakaran, DGM (HR) I/C and other senior executives.

Mr Datta also inaugurated the new premises of the Library which was shifted to the new floor. With Mr Datta lighting the traditional lamp, the house of books once again glowed with the warmth and sheen of knowledge. The new library now


Mr BK Datta and Mr Prasad K Panicker inaugurating the fourth floor of the Administration building
spreads over a quiet and spacious area with a panoramic view of the Refinery.

The floor also accommodates the E\&C technical documentation room.


Mr BK Datta lighting the traditional lamp in the new Library premises


Library in new floor turns functional

## BMI challengers get set to build their image

The Build My Image (BMI) initiative as part of Svaasthya wellness programme in KR has begun its next step in enhancing the health of employees.

Dr Mumtaz Khalid Ismail, consultant Nutritionist and Dietician spoke to a team of 100 employees with raised Body Mass Index (BMI) in two batches on 13 and 16 July. The topic of the talk was - Why and how should you take the journey of healthy diet and lifestyle. The interactive sessions dealt with healthy diet, nutrition, importance of exercise, calorific value of diet, etc. Individual assessment and diet plan will be prescribed by Dietician during 3-7 August.

Earlier, the Body Mass Index of


Dr Mumtaz Khalid Ismail talking to the employees employees was measured in the new BMI machine at our Occupational Health Centre. A contest to reach the optimum BMI score within 3
months was declared and the contestants were given the talk as the first step. Kochrefiners are all set to accomplish their targets towards healthy well-being.


Mr Kodikunnil Suresh, Hon'ble Member of Parliament being welcomed by Mr Prasad K Panicker, ED(KR)I/C during his visit to KR on 16 July


Employees of Maint. Area III paying tribute to Dr APJ Abdul Kalam

## Swachh Bharat Abhiyan

## Clean drive at Govt Ayurveda College Annexe, Tripunithura

BPCL employees along with CISF unit cleaned the Govt. Ayurveda College Annexe, Tripunithura.
Around 100 volunteers from BPCL Kochi Refinery and CISF contingency rendered their service for the Swachh Bharat cleaning drive. The cleanliness drive was inaugurated by Mr R Venugopal, Chairman, Tripunithura Municipality. Mr MV Prabhakaran, DGM (HR) $\mathrm{I} / \mathrm{c}$ and Mr K Radhakrishna Pillai, DGM (E\&C) I/c took part in the cleanliness drive.


## Medical aid given to neighbouring poor

Over 600 poor people in the neighbourhood of Irimpanam benefitted from the mega medical camp conducted at K Bhaskaran Memorial Community Hall on 19 July. Free diagnosis by eminent specialists, laboratory tests, blood routine tests, ECG, etc were provided to the patients. The camp was conducted in association with Tripunithura Municipality, Shree Sudheendra Medical Mission Hospital, Indian Medical Association and Ernakulam General hospital.


Medical camp in progress


Medical diagnosis being conducted


Patients wait for their turn

## Matters of the Heart enlightens many



A talk on 'Matters of the Heart' was conducted for employees on 17 July. Mr Prasad K Panicker, ED (I/C) KR welcomed the gathering.

Dr Shiv K Nair, Head of Department, Cardiovascular \& Thoracic Surgery and Dr George Valooran, MS (General Surgery), MCh (Cardiovascular \& Thoracic Surgery) from Rajagiri

Hospital spoke on various issues relating to blockage of heart and lifestyle changes. The slides presented by Dr Shiv K Nair portrayed drawings of how a block actually forms in the blood vessels and how it progresses. He also mentioned that the main reason for the occurrence of cardiac diseases is the life style of
an individual. A live demonstration on Basic Life support was also conducted. The Doctors also cleared the questions and doubts from the participants.
Mr Prasad K Panicker, ED (I/C) KR, Mr Prabharan MV, DGM (HR) I/C and other senior executives and employees from various departments participated in the interactive session. Dr Francis Placidus KG expressed the vote of thanks.

- P K Suresh, General Manager (Finance)


#### Abstract

Bharat Petroleum Corporation Limited and Kochi Refinery are in a transition phase as far as its human resources are concerned. The seniors are handing over the mantle to middle and junior level management which will be complete by the year 2020. In this context, I would like to pen down the success factors for a managerial person after observing cross section of managers during the last 33 years of my industry association.


## Management hash analysis

The general conception is analytical ability will outweigh everything else for managerial success. Though this is true to a great extent, 'analytics 'should be used only as a tool. I have seen many managers create "paralysis" by analysis. Analytical ability leading to quick decision making is the need of the hour in a competitive environment.

## It is not about being smart

Youngsters who have joined the organization through rigorous selection process would have observed that those who tried to outsmart others in the group discussion would not have ended up on the right side of selection. The quality actually required is capability to take balanced decision by respecting the team members' inputs. Many managers with average intelligence have become successful through their matured skill set approach to matters and positive attitude.

## Learn to communicate: The greatest asset for a Manager

The process starts from `clarity in thought'. The clarity enables one to be a good `listener’ and effective communicator in all the directions like upward, downward and peers. Diplomacy is an important ingredient of communication. A diplomat is someone who can tell you to go to hell in such a way that you will look forward to the trip.

## Don't loose touch with what is right

One should have the guts to say 'what is right....right and wrong... wrong'. But how do you do it matters. When your boss tell something which you believe is not right, do not react immediately. The boss might be under pressure at that particular point of time and the reaction would only add insult to injury. Instead, if you retreat and present your alternate thought when he is relaxed the acceptance and appreciation level will be very high. Similarly to your subordinates, never snub them in front of others but call them individually and communicate to them that you have to pull up your socks; the result will be there to see.

## Stay current

A good number of managers keep away from updating their knowledge. This will only create insecurity in them to the extent
that they suspect well informed team mate as potential threat. Information is power and possess it through structured and unstructured learning.

## Reinvent yourself

An achiever is one who continues to reinvent his inner strength throughout his career. This enables him to handle proactive and diversified roles adding to the strength of the organization. To cite... Benjamin Franklin, one of the founding fathers of United States of America was a leading author, printer, politician, postmaster, scientist, inventor, civic activist, statesman and diplomat.

## Don't stop dreaming

This managerial trait does not require any elucidation in BPCL. Our company being different from other oil companies is its managerial capability to lay down the road map in every five year cycle. Dreaming create vision, vision create objectives, objectives create Team Operating Principles (TOP), TOP create cohesive team and cohesive team delivers qualitative and timely results.

A Manager who inculcates the above qualities will be followed by the organization to create space for him rather than the manager follow the organization to make space for him.

## A learning experience

"I was willing to take up the challenge of learning new things. And I came into the best hands who molded me to what I am today", says Mr Ponraj M, remembering his early days in erstwhile Cochin Refineries Limited when he joined the Finance department during April 1978. He remembers with gratitude his senior colleagues who taught him the true art of working systematically.

Though a native of Sivakasi, Tamil Nadu, Mr Ponraj is more of a son of God's own country, Kerala, where he spent his childhood and joined for his first job in erstwhile CRL. "I could develop my skills and career within this company and am forever dedicated to it and my friends and colleagues for their support", he says. Perhaps it was this strong learning drive in Mr Ponraj which made the introduction of SAP in KR during 2003 a memorable event during his career. "It was an exciting phase when we all joined together to learn a new technology. Having the right attitude and confidence will help you learn and reach higher platforms", says Mr Ponraj.

An ardent lover of sports, Mr Ponraj kept himself fit and busy with Shuttle


Mr Ponraj M \& family
and Table Tennis during after office hours daily.
"The persons behind my success are my wife, Manjula, who is my home maker and our two daughters", says Mr Ponraj. Their elder daughter, Ms Anuradha has completed MCom and ACS. Now she is working as a Company Secretary in a firm in Chennai. Their younger daughter, Ms Ramya, who completed MSW, is working as HR Manager in a private firm in Kochi.

Mr Ponraj, who believes in being fully committed to his job till his last day in $K R$, is planning to keep himself active after retirement also, as always.

JwalaDhwani wishes him a happy and healthy retired life.

His address:
Mr Ponraj M
Aaranya House
Chakkuparambu Road, Kesavanpadi
Thiruvankulam - 682305
Ph: 9446057050 / 04842779763

## Learn from the leader

A talk by Prof. Indira J Parikh (Ex-IIM Ahmedabad), Founder Member of Flame University, Pune was organized under `Learn from the Leader' series on 7 July. Prof. Indira spoke on "Professionalisation of Management and Leadership Roles". Mr PK Suresh, General Manager (Finance) welcomed the gathering and introduced the Speaker. Prof. Indira stated that she was much impressed with the progress of IREP. She elaborated on different leadership styles and their suitability in the present times. Mr CK Soman, General Manager (Operations), Mr PS Ramachandran, General Manager (Projects Units), senior executives and employees from various departments participated in the interactive session. Mr PS Ramachandran expressed the vote of thanks.


Prof. Indira speaking to the employees

## Study visit by ITS Probationers

A team consisting of 13 Indian Trade Service Probationers belonging to Ministry of Commerce \& Industry visited KR on 22 July as part of their professional training.

Mr PK Suresh, General Manager (Finance) addressed the team. Mr V Harinath, Manager/Mfg made a presentation on the overview of the Refinery. Later they also visited the plant area.


## Certification in Project Management conducted

Twenty four officers from Project IREP attended the five day workshop on Certification in Project Management (CIPM). This workshop facilitates to build up the hard and soft skills needed to manage projects effectively. It equips the managers to use cost effective techniques, latest Earned Value Management System, structured identification/analysis of risks, etc.

Mr Sivaram Athmakuri, an expert in Project Management from Centre for Excellence in Project Management (P) Ltd (CEPM) facilitated the workshop. On the concluding day an examination on CIPM was conducted leading to
 certification.

## Transition-Future Perspectives programme conducted

A two-day training programme on Transition - Future Perspectives was organized during 15-16 July for non-management staff due for retirement from November 2015 - March 2016. Mr Koshy Varghese, Ex-Director (Refineries) inaugurated the programme
and Mr MA Mohammed Ali, Ex Director (Refineries) facilitated an interactive session - Leading a positive \& meaningful life. Eminent external faculty from the field of Psychology and Finance along with internal faculty addressed various sessions.

Twelve non-management staff and their spouses attended the programme. The programme aimed for smooth transition to retired life and provided useful tips on investment planning, health, etc.


## Renewing energy at the homefronts



This column is
Kochrefiners

Taking a small turn from the workstation, New Leaf is all set to take a look into the homefront. As you can see around you, the green movement is gaining momentum. Rooftop gardens, growbags, biogas units, waste disposal and what not... Many people including those in KR family is promoting their own green movement in their available space.
Let us have a look at a green move by a team of employees. It was from a newspaper clipping on Biogas unit that Mr PK Anilkumar/OM\&S got a start. He contacted the agency for the subsidy based biogas unit and installed the unit in his home. This was just a beginning. On his inspiration, five of his friends also joined this green movement. Mr R Sundara Raj, Mr ES Anilkumar, Mr D Vijayakumar, Mr PS Sujithkumar from $\mathrm{OM} \& S$, and Mr CS Anilkumar/HR formed the team. The biodegradable waste such as food material, agricultural waste etc gets converted inside the closed unit to biogas through anaerobic digestion with anaerobic bacteria. The result is triple-folded. Disposal of kitchen waste, production of bio gas for cooking purposes and production of effluent organic fertiliser are the benefits.
"An effective method of waste disposal. The surroundings remain clean now", says Ms Jaya, w/o Mr D Vijayakumar. "I am able to save LPG by compensating with biogas. A really cost effective initiative," says Ms Jessy, w/o Mr Sundara Raj. "This is a renewable energy process. The effluent material is organic manure for our vegetable garden- opines Ms Sani, w/o Mr Anilkumar PK.

No doubt, the green movement is ongoing in the homes of employees, in their own convenient way. Let's get going greener and the New Leaf movement bring to light more green shades in the homefront!
$4+2910+2$


## Condolence

Mr Venkata Remana M/PEU on the sad demise of his father.

Mr Shahul Hameed KG/ Mfg on the sad demise of his father.
Mr Lalu VS/Security on the sad demise of his father.


Mr Joseph Samson who had joined KR in Security department in June 1994 is retiring from the same department.


Engineer (IREP Commissioning) Anantha Krishnan A
Nishant Choubey
Deputy Manager (Projects)
Krishnakumar V
Manager (P\&CS)
Salim Kumar
Manager (IREP Commissioning) Saji Babu
Senior Manager (Advisory Services) George Thomas
Senior Manager (Manufacturing) Joji J Melel

## Felicitation

Mr Vino Varghese/Mfg and Preethi Vino on the birth of a daughter.

## Congratulations



Mr Rajan CK of
DGM (AE)'s office on securing Master of Business Administration in Marketing Management from Annamalai University with First Class.


Mr Pramod K of
Projects (Contracts \& Services) department on securing Master of Business Administration in Marketing Management from Annamalai University with First Class.


Mr Raijo Jacob/
$\mathrm{P} \& \mathrm{U}$ on achieving
Black Belt - 1st
DAN (SHODAN)
from Indo-Japan
Shito-Ryu Karate-
Do Association

New Comers - General Workman-B



Offsite- Refinery areas surges ahead with activities at various sites
M/s McNally Bharat Engg Company Ltd (MBECL) and M/s Ray Engineering Limited (REL) are proceeding with erection of pipe rack structures in the areas allocated them to create work front for mechanical jobs. Structural erection to the tune of $30 \mathrm{MT} /$ day is being achieved with four cranes at multiple locations. Structural jobs and top roof casting of the Offsite substation in front of TFMC is completed.

The mechanical contractor, M/s Bridge \& Roof Co.(I ) Ltd. has started erection and welding jobs simultaneously at 14 locations.


With full support from Operation groups, Structural and erection jobs are progressing at 7 road block locations. All out efforts are underway to complete the jobs as per the requirement of process units.

## Onam Celebrations @ IREP

Onam, the nostalgic festival of every Keralite, is round the corner. Team IREP is planning to celebrate


ONAM with all pomp and festivities, as was done during last year. This year team IREP is a big family of about 17000 , including people from almost every state of India. Pookalams, traditional art forms, competitions etc .... are arranged as the part of Grand gala celebrations, and not to mention the traditional sadya for the entire team. The celebrations and the grand Sadya will be held at KR oval on 21 August.
TEAM IREP-Together, we will make things happen.

## IREP Highlights

- Cumulative commitment has reached INR $14,400 \mathrm{Cr}$, and expenditure crossed INR 7500 Cr .
- Out of a total of 2063 equipment, 1766 received at site and 993 equipment erected on foundations
- In the Crude unit, SR LPG piping loops are completed
- Slip form casting of rail loading Silo1 of Coke handling System of DCU completed
- All the Over dimensional vessels of VGO HDT erected on foundations
- Underground piping jobs commenced by M/s Furnace Fabrica at IREP offsite area
- Both Waste Heat Boilers of Main Combustion Chamber Package of SRU received at site
- Distributed about 10000 rain coats to the labourers at IREP, to enable uninterrupted work at site
- Monsoon protection sheds and movable canopies were provided to contractors to facilitate mechanical fabrication jobs at ground and on piperacks
- Statutory hydro testing of Utility Boiler - UB13 carried out successfully in the presence of Shri PPramod, Director of Factories and Boilers, Kerala on 31 July.


## Safety Theme for the month ：MACHINERY \＆EQUIPMENT SAFETY

Before you start using any machine you need to think about what risks may occur and how these can be managed． You should therefore do the following：
－Check that the machine is complete，with all safeguards fitted，and free from defects．The term ＇safeguarding＇includes guards，interlocks，two－ hand controls，light guards， pressure－sensitive mats etc．
－Look at the residual risks identified by the manufacturer in the information／instructions provided with the machine and make sure they are included in the safe system of work．
－Ensure every static machine has been installed properly and is stable（usually fixed down）


Make sure the machine is properly switched off，isolated or locked－off before taking any action to remove blockages，clean or adjust the machine Preventing access to dangerous parts：
－Use fixed guards（eg．secured with screws or nuts and bolts） to enclose the dangerous parts， whenever practical．
－If fixed guards are not practical，
use other methods，eg． interlock the guard so that the machine cannot start before the guard is closed and cannot be opened while the machine is still moving．In some cases，trip systems such as photoelectric devices，pressure－sensitive mats or automatic guards may be used if other guards are not practical
Other things you should consider：
－Ensure control switches are clearly marked to show what they do
－Have emergency stop controls where necessary．
－Make sure operating controls are designed and placed to avoid accidental operation and injury．
－Do not let unauthorized， unqualified or untrained people use machinery－never allow children to operate or help at machines．

1．The purpose of machine safeguarding is to prevent access to the point of opera－ tion and power transmission apparatus． True／False
2．Which types of moving parts need guarding？
a．Power transmission apparatus
b．The point of operation
c．Other moving parts
d．All of the above．

3．The purpose of machine safe gaurding is to prevent objects from being ejected toward people．
True／False
4．Which Machine motion is the most dangerous？
$\begin{array}{lll}\text { a．Cutting action } & \text { b．Punching action } & \text { c．Bending action }\end{array}$
d．All motions can cause serious injuries
5．Remove guards only when machine is locked and tagged out． True／False
6．Preventive Maintenance is a bad practice． True／False
7．What should be firmly secured to the machine？
a．The guards．
b．The operating instructions．
c．The awareness barrier
d．The personal protective equipment．
8．Before using a machine，make sure all the movable parts are properly
9．Installing a machine in a place where no one can contact moving parts is an example of：
a．An interlock．
b．Safety restraints
c．Guarding by location
d．An awareness barrier

10．Personal protective equipment：
a．Is never needed if machine guards are used．
b．Never contributes to a job＇s hazards
c．Is required when guards can＇t provide full protection．
d．Is an example of a two－hand control
Answers to FSQ 22

The competition is open only for family members（spouse and children）of employees of BPCL KR／BPCLECS／KRECCS and CR School．
Send your entries to Safety Quiz，JwalaDhwani Desk，BPCL KR before 20 August ．
Gift coupon worth ₹1000 await you．

## HAATS of CRS launched

Honouring Alumini Association Treading Success (HAATS), a project to honour the alumni achievers and celebrities of Cochin Refineries School for their commendable achievements in various walks of life, was launched on 13 July. It was inaugurated by India's first woman IPS officer Dr KiranBedi. The project spearheaded by the Vice Principal of the school Mr S Devi Dayal and supported by the Principal Mrs Mala B Menon is a venture to motivate and inspire the students. Dr Bedi had an interactive session with the students on 'Early Leadership' wherein she highlighted the need to inculcate values of time - management, diligence and multi-tasking. Mr Devideyal S, Vice Principal, Mr Mohan Lal A, DGM(


IREP), Mr P Vinod, President, Smriti Alumini Association spoke on the occasion. The other guests included Mr S

Somasekhar, former School Board Chairman, Mr Ajith Sen, PTA President and Mr Jackson Beveira, Secretary SMRITI.


Aleena Paulson, Nevin Raijo, Devika AV
Aleena Paulson, D/o Paulson PJ/PEU, Nevin Raijo, S/o Raijo Jacob/PEU and Devika AV, D/o Venuprasad AR/PEU on achieving Black Belt (Shodan-Ho) from Indo-Japan Shito-Ryu Karate-Do Association

Credit Society- Education Award-2015
Applications are invited from members of the Society for considering their children, who have passed 10th and 12th standards in their first appearance during the academic year 2014-2015, for education awards.

## Category

1) Matriculation (Class 10)

SSLC/AISSE/ICSE/Any Other
Board : A1 In All Subjects
2) HSE (Class 12)

DHSE/VHSE/AISSCE/ISC/Any
Other Board : Highest Mark
Second highest Mark
3) Differently Abled children passed from class X and Class XII in All streams.
Application along with the following enclosures should reach to Credit Society office on or before 20 August.

## Winners of designs



CRS Team consisting of Anjana
Reghuraj, Alana Rajeev and Aneena Sabu of Std IX won the third prize in 'CHROMA' designing a comic magazine cover page digitally at Global Public School on 15 July.

## Winners of FRESCO



Abhirami M Kumar/Std XI ( Best artist-painting),Gayathri JK/ Std X ( Best artist-acrylic painting), Keerthana Sanil /Std X \& Nisha A/Std 7( consolation prize- painting), Bibin Balachandran, Manu ER, Bennet Gregory Toms of Std XII (3rd prize-Photography) in the FRESCO competition held at Rajagiri Christu Jayanthi Public School on 10 July.

## New leaders for CRS



Mr MV Prabhakaran rendering the presidential address

The newly elected Student Council members donned the mantle of responsibility with pride and honour in the Investiture Ceremony held at CRS on June 19. The chief guest of the day, Lt Col P Raj Narayanan addressed the students stressing on the importance of leadership. The occasion was momentous as the School Board Chairman Mr MV Prabhakaran, DGM, HR I/C, delivered the maiden presidential address reminding the students of their duties and responsibilities to the school and to the society. Mrs Mala B Menon, Principal initiated the oath taking ceremony. The chief guest also distributed the proficiency prizes to students of classes V1 to X11.

## The Student Council

$\begin{array}{ll}\text { Head Boy } & \text { - Karthik Raj/Std XII } \\ \text { Head Girl } & \text { - Namitha S/Std XII }\end{array}$

Assistant
Head Boy - Abhijith RP/Std XI
Assistant
Head Girl

- Devika Chandran/ Std XI
Games
Captain Boy - Jerin Jolly/Std XII
Games
Captain Girl - Fathima Falha/Std XI


## House captains

Ganga House - Lloyd Olivero/Std XI and Abhirami M Dipu/Std XI
Kaveri House - Adarsh AR/Std XI and Akshaya PA/ Std XI
Periyar House- Davis Sebastian/ Std XI and Greeshma G/Std XI
Yamuna House-John Manuel/ Std XI and Krishnendu KS/ Std XI

The Student Council is further strengthened by the addition of 2 delegates from each class for its smooth and efficient functioning under the guidance of the Student Council Advisors, Mrs Dersana Nair and Mrs Anice George.

## The Primary Section investiture

held on 23 June had Mr Navin Raj, Manager, Technical, BPCL-KR as the chief guest. The leaders, all from class $V$ were inducted by the Principal.

| Head Boy | - Adithyan K Abhilash |
| :--- | :--- |
| Head Girl | - Neha S Paul |
| Captains | - Chaithanya P Sunil, |
|  | Keerthana Rajesh, |
|  | Sandra PL |
|  | Aravind Chandran, |
|  | Adeeb K J |
|  | Alan Mathew George |

Head Girl - Neha S Paul
Captains - Chaithanya P Sunil, Keerthana Rajesh, Aravind Chandran, Alan Mathew George



ARIES
(21 Mar 20 April)


TAURUS
(21 April 20 May)


GEMINI
(21 May 20 June)


CANCER
(21 June 20 July)


LEO
(21 July 21 Aug)


VIRGO
(22 Aug 23 Sept)

You have a very strong horoscope this month, allowing you to push ahead and make gains at work and in your personal life. The self-confidence and inner balance from this transit is ideal for self promotion and getting help for your goals. You can feel relaxed and confident in expressing your softer side when meeting new people.
Stress will fade and harmony will return to relationships. You must decide whether the odds of getting what you want are worth the effort and risk of losses. In the meantime, avoid letting your anger getting the better of you by working out putting this hot energy in hard work, preferably alone.

You have a hectic month ahead with some testing moments, but the overall feel is a good one. Carrying over from last month you should be feeling optimistic. There will be a strong urge to become greedy, extravagant and wasteful. If you avoid such behaviors and maintain high moral standards, then happiness and contentment can be found.

Clear thinking and sound judgement mean you can confidently make plans and agree on business dealings. The happy full moon will make this easier to deal with, but important matters should be schedules earlier in the month.

Excellent social and communication skills means that you can process a lot of mental work in this time. Negotiations should go well, as would shopping and investing. You will have a good eye for a bargain and good judgement skills. You may be called on to take a leaderships role or act as a mentor to younger people.

The appropriate time to try your luck depend on other transits, especially favorable ones. An ideal time for self promotion and setting new goals. Here you will enjoy all the nourishment and encouragement you need to succeed in the outer world. You are in an extended period of positive transformation.


LIBRA
( 24 Sept 23 Oct)


SCORPIO
(24 Oct 22 Nov)


SAGITTARIUS
(23 Nov 20 Dec )


CAPRICORN
(21 Dec 19 Jan)


AQUARIUS
(20 Jan 18 Feb )


PISCES
(19 Feb 20 Mar )

Clarity of thought and good judgement make this the ideal time for making plans, scheduling appointments and entering into negotiations. Although a hectic period, quick thinking and reflexes will allow you to cope with any nervous tension. Good mental skills now favors business dealings and paying the bills.

This is nearly two whole months of extremely good fortune. You should be feeling optimistic and very satisfied with your lot. Opportunities should arise to increase your wealth, or expand your horizons through study or long distance travel. If you feel the frustration building, try physical workout or work on some project alone.
You will more likely feel tension at home and within your close relationships. There will be a tendency toward getting into arguments which could undo some of the gains you made earlier on. An excellent time for socializing because of your popularity and genuine warmth.
Depending on other influences, you could start a vacation, get a promotion or begin new studies. The main theme of this growth phase is expanding your horizons to gain more satisfaction out of life. You can count on good judgement and excellent communication skills during this second half of the month.

To reduce the risk of confrontation, stick to routine and avoid provoking others. This is a defensive phase of life where you must concentrate on holding your ground. If you do control any aggressive tendencies, then it is possible to channel this dynamic energy into creative activities.

There will be opportunities to expand your horizons through good fortune, travel, studies, romancer or investments. Success in these areas will only come if you maintain strong ethics and avoid excess and greed. The most critical time to show patience and common sense in relationships.

Compiled by S Parameswer/ HR
Readers, here is a new version of our Quiz Time by the same quiz master. Charge your grey cells and answer these 12 questions. Attractive prizes await you!

1


Identify this logo.

2 Who is the Union Water Resources Minister ? Name the Mobile App launched to aid Clean Ganga Mission?
3 Name Vivek Agnihotri's film which won the Best Original Screenplay award in the Foreign Language Category at the Madrid International Film Festival, Spain recently? -
4 What is the earlier name of Competition Commission of India?
5 How do you describe the non-financial investment that people contribute to the development of a project such as a start-up business
6 Who has won the 62nd National Film Awards as best actress?
7 a. The test that can measure the amount of cholesterol and triglycerides in your blood is called $\qquad$
b. Which institute has developed a technique to decrease cholesterol level in Ghee (clear butter) ?

8 What does a gold horizontal stripe in the National Flag of NAURU represent ?

9


Identify this logo.
10 The Union Government has launched a mobile application " $m$-asset" to know the assets of .......
a. Gram Panchayats b. Municiplaities c. State Govts d. Zilla Panchayats

11 Unscramble H A A N D D R A F T S for a rule which is fixed and definitive (3 words)
12 The Finance Minister's Budget speech presented to the Indian Parliament every year usually has two parts. What does the Part A relate to -

## Answers to QB-July 2015

1. IDBI Bank 2. Versatile 3. Siddhivinayak Temple 4. Estimates Committee 5. Adani Ports 6. 1852 metres OR 6080 feet 7. Sundaram Ravi 8. To create a lot of trouble 9. This is a nonimmigrant visa in the US 10 . This is a congenital defect in the apex of the heart 11. Dissertation 12. Railtel

Winner of QB-July 2015 - A N Vijayan (Finance)
Name :
Staff No. $\qquad$ Dept.
Send your entries to Mr SP Quiz Bowl, JwalaDhwani desk,
BPCL Kochi Refinery, before 20 August.

## धरती पर

■ अनु अप्पुकुट्टन/एचआर
कहीं सुना था "पर्यावरण से न खेलो, उसका तांडव जो शुरू हो गया, तो कोई न बचा पाएगा"। कुछ ऐसी ही हालत से गुज़रे हैं दुनिया के कई देश। हाल ही में हमारे ही देश भारत में इसके कई मिसाल हमें मिल रहे हैं। कशमीर की ही बात लें। इतनी सुंदर जगह-प्रकृति का वरदान जिसे माना गया है। जिसकी सुंदरता को देखने और निहारने देश से और बाहर के देशों से लोग बडी संख्या में आते हैं वो धरती बाढ़ की लहरों में झूँझती हमने देखा है।
इतनी तेज़ बाढ़ पिछले 50 वर्ष से यहाँ नहीं हुई। लोगों के घर पानी में डूब गए। कई जानें इन बाढ़ के पानी में बह गए। सारी कासा उथल-पुथल हो गई। लोग अपनी जान बचाते कई जगहों में फँस गए। भारतीय सेना को इन बाढ़ पीडित लोगों की सहायता में लग जाना पडा। बाढ़ पीडितों को अपनी धन संपत्ति ही नहीं कई लोग अपनों को भी खो बैठे हैं। सारा देश एकझूट होकर इन पीडितों की रक्षा में लग गया था।

क्यों हो रहा है यह प्रलय ? पिछले वर्ष ऐसे ही कुछ हमारे ही देश में उत्तराखंड में भी हुआ था। क्यों जननी हमसे मुँह फेर कर रही है? क्यों कर रही है अपने बच्चों को परेशान? क्यों कहीं बारिश की बूँद को तरस रहा है। इन्सान और क्यों कहीं बाढ़ में अटकी है हज़ारों की जान। क्या


यह हम इन्सानों के ही कर्मों का फल तो नहीं है?

धरती बड़ी ही सुंदर और निराली थी। घरती माता ने बडे ही प्यार से हमें पाला, बढ़ाया। पर हम मनुष्य, अपने लाभ हेतु घरती का शोषण करने लगे। धरती से जंगल की चादर सरकने लगी। तेज़ धूप धरती माता को सहना पड़ा। धरती के शीतल और पावन नदियों को इन्सान ने कूडे कचरे से भर दिया। समझा जाता था कि मानव सबसे श्रेष्ठ था सारे संसार में। पर इसी श्रेष्ठ मानव ने सारे निसर्ग का ही सर्वविनाश कर दिया। जंगलों और खेतों की जगह पर अब कारखाने बढ़ने लगे हैं। न स्वच्छ पानी पीने को है और न ही अच्छी वायु जीने को है !

इस धरती के वरदान को हमने अभिशाप बना दिया है। इस दूषित वायु से अब

धरती का भी दम घुटने लगा है। धरती ने भी अब ठान लिया है, जो हम बोएंगे वही हम पाएँगे। प्रकृति को नष्ट करके हम अपना ही अस्तित्व नष्ट कर देंगे। कई कारखानों से निकले दूषित वायु इन्सान को कई जानलेवा बीमारियों का शिकार बना देते हैं और निसर्ग में भी सारे 'सिस्टम' बिगड देते है। सारी ऋतुओं के समय काल में गडबडी हो गयी है। ऋतुएं देर से या जल्दी आने से अनाज, पेड-पौधे, जीवजंतुओं का जीवन भी प्रभावित हो रहा है। सारी धरती-जल-वायु दुषित हो गई है। इसे स्वच्छ करने, फिर से नियमित करने के लिए अब हम ही इनसानों ने प्रलय होना अनिवार्य बना दिया है।
इससे पहले कि सब तबाह हो जाएं, सारी मानव सृष्टी नष्ट हो जाएं, चलो हम सब एकजुट होकर इस धरती को बचाएं।

| लोकोत्तियाँ - भाव एक, भाषा दो |  |  |  |
| :---: | :---: | :---: | :---: |
| Good mind, good find | आप भले तो जग भला | Avarice is root of all evils | लालच बुरी बला है |
| Where there is will, there is a way | जहाँ चाह, वहाँ राह | Gather thistles \& expect pickles | बोए पेड़ बबूल का तो आम कहाँ से होय |
| In Rome, do as the Romans do | जैसा देश, वैसा वेष | Drowning man catches at straw | बते को तिनके का सहारा |
| to fish in troubled water | बहती गंगा में हाथ धोना |  | भैंस के आगे बीन बजाना |
| Might is right | जिसकी लाठी उसकी भैंस | Crying in | भैस के जगे बीन बजाना |
| A drop in the Ocean | ऊँट के मूँह में जीरा | Do good \& cast into the river | नेकी कर दरिया में डाल |
| An empty vessel sounds much | थोथा चना बाजे घना | Diamonds cut diamonds | लोहा लोहे को काटता है |
| Birds of same feather flock together | चोर - चोर मौसेरे भाई | Once bitten twice shy | दूध का जला छाछ को भी फूँक-फूँक कर पीता है |
| It takes two to make a quarrel | एक हाथ से ताली नहीं बजती | A figure among ciphers | अन्धों में काना राजा |

उसे फिरसे सुंदर बनाएं ताकि आगे की पीढ़ी स्वच्छ वातावरण में जी सके, स्वच्छ भोजन खा सके, स्वच्छ पानी पी सके और घरती माँ मुस्कुरा सके। अब ज़्यादा समय नहीं है हमारे पास, वर्ना,

कशमीर उत्त्राखंड जैसे राज्यों में जो हुआ, वही सारे मानव जगत में होगा और मानव का विनाश होगा, सारे जीव - जंतुओं का भी नामो निशान मिट जाएगा।

इस विपदा से हमारी धरती को बचाने के लिए हम सब प्रकृति का सम्मान करके, कुदरत से ईमानदारी रखकर अपनी जीवन आगे बढ़ाने की कोशिश करें।

## हम और अपनी कल्पित दुनिया

■ आर सुरेश कुमार/पी \& सीएस विभाग

सही क्या है गलत क्या है-यह जानना आजकल बहुत मुश्किल हुआ है। तरह तरह की खबरें अपने मोबाइल और टीवी पर आते रहते हैं। सोश्यल मीडिया पर हर तरह की खबर तस्वीर सहित अपने साथियाँ पोस्ट करते हैं। अगर आप यह समझें कि अपने साथी या सहकर्मी ने पोस्ट किया है तो यह सच होगा, शायद आप धोखे में पड जाएंगे। हमें अपने चारों तरफ़ से जितना कोई खबर मिलता है सब सही निकलना संभव नहीं है।

हमारी तरफ़ से, कोई भी खबर सोश्यल मीडिया पर पोस्ट करने से पहले हमें यह सुनिश्चित करना चाहिए कि वह सही है। आजकल लोगों को यह स्थापित करना बहुत कठिन हो रहा है कि जो सुनता है उस पर विश्वास करें या नहीं।

यह सच है कि जब एक तरफ़ सोश्यल मीडिया ने हमारे रिश्तेदार, दोस्तों वगैरह से संबंध रखने में सहायता दी है, तो यह भी सच है कि दूसरी तरफ हमारा रिश्ता इन लोगों से सिर्फ इन सोश्यल मीडिया पर सीमित भी किया जा रहा है। आजकल यह देखा जा रहा है कि इनसानों के बीच रिश्ते में पहले जैसी भावुकता या भावनाएं, गहराई या सच्चाई नहीं रही हैं। जिनको हम एक ही बार मिले हैं, उनको भी हम सोश्यल मीडिया में दोस्त स्वीकार करते हैं, अपना मानते हैं।

टेलिविज़न के आने पर घर में परिवार के सदस्य आपस में बात करना भी भूल चुके हैं। पुराने दिनों में परिवार के सब सदस्यों का एक साथ बैठकर खाना खाना अच्छा समझा जाता था, इस पर ज़ोर दिया जाता था। लेकिन आज कल सभी अपनी अपनी
 बच्चों से संबंध रखने के लिए सोश्यल मीडिया का उपयोग करना पड़ता है। उनके बीच निजी संबंध अब कम होता जा रहा है। रिश्तों में भी अंग्रेज़ों की जीवन शैली का प्रभाव आ चुका है। आजकल बच्चे लिखना -पठना सीखने से पहले कंप्यूटर और मोबाइल फोन का इस्तेमाल करना सीखते हैं। अगर इन उपकरणों का प्रयोग समाज की भलाई के लिए करते तो कितना अच्छा होता

यह स्पष्ट है कि वाट्सऑप और फैसबुक का बहुत सारा गलत इस्तेमाल होता रहता है। कई लोग झूठा प्रोफाइल बनाकर दूसरों को उनके गलता काम के लिए फँसाते हैं। कितनों की ज़िंदगी बरबाद होती है। कई लोग इन उपकरणों को अपने निजी फायदा और गलत तरीके से पैसा कमाने के लिए उपयोग करते हैं। इस तरह की कई करतूतें दुनिया ने देखी है। टेलीविज़न हो

या सोश्यल मीडिया, सभी का प्रथम लक्ष्य
है, पैसा कमाना और नाम
कमाना। इसके दर्शकों और उपभोक्ताओं की भलाई के बारे में ये लोग ज़्यादा सोचते नहीं है और परवाह भी नहीं करते!

अगर टेलीविज़न और सोश्यल मीडिया का सही उपयोग ही किया होता तो समाज का कितना भला हो सकता है। इसका मतलब यह नहीं है कि सोश्यल मीडिया के माध्यम से जो कुछ भी हो रहा है, सब गलत है। बल्कि इसका ज़्यादातर इस्तेमाल गलत काम के लिए ही होता है।

आज हमारे पास उपलब्ध आधुनिक माध्यमों का सही तरह से उपयोग करने, अपने और समाज की भलाई के लिए काम में लाने का प्रयास करेंगे तो हम अपनी दुनिया बदल सकते हैं, संवार सकते हैं।




 ل్రmemosjo வைomemosjo
 வைmi




 வளைைாேேேி)











 ๔ே๖ழகேழு







































## 




















வன்ணேவாயை வரீிறைைிய


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## 


ஜிவிய விமาயிண



























 ஸைmกาயுమுு ஜワ வேชฺிண．．．






























# ตวกロス 













 ๓ை セnsी ロร৫ห๑ை

 வபளேソமயிண வுఠா





## 









 ஜ๗ூஜவกา ปงรงกช













## ®omnileno

## エேロூనめひర

1．ஞกிி
－ 300 （00๐（ロS）

－ 500 しにつo
3．คறழூ




7．凸மழூゅ


9．ககஜிగ్నழ○
－ 4 毋ஸை

## உஸைృஆృை வி山ం





 ேேோ ாேவிண ேேன்ாm゙ வழดృ๐．
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 உவேேणஸிめカ๐．

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ヘกั้ 2 －พทறกృßвาm๐








－ロ0ルา






 mிஙை உกவఱிேேேดั ロรঞßிவ్న0ఱ








毋ழைைைmா゙．































 momiseoஸ゙．







































 कிறை．





 கைனిாைைைை゙．வியைூல ஜிவிம



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 வேナாையைஸ゙．ஜாைை๐ ๓าைกัேைை















 who knows all about you and still loves











ஜாைைைைை กทைกృßßlmைைาை











 （ఎ๐శెณைก＂（ロ๐ળา）






## （6）



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 வேருளைンఱา．ஜワ கேே丬（ேைைาைை

 ภைை．










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 றவைடே！



































 ๓าก





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 கூுmை．
ITI All Kerala Best Trainee สেைழிळைm แ๐ๆ ธエி 1977－78 ஸ๐ュ्रிமை Best Apprentice Trainee बেळ్యం
 セேSృகఱુஸకృఱา．






















வுனைைைால்

 พிคைாก்ல வைன்ாைา ఱ๐ぁிி ஷพண்คி ఱிண றั็วกั พใอிண் ஜேナーி வெツ్ముm．
 வெயర－ாிโை एகஷூロி．ஆంகே๐

 கறறறிழிண் ஜேงேி ๑ெ®్ముm．
Фூறைロカカைைைலర
 ஆ๐ஸிஷி నிßృ๐ઠีமியગஸ゙．

 Blm」ロノ ேே0คை レ゚ーﾛンகிி

 ธைகமமைறிிண
 ツவெெறைைாிிกா்











விలコт๐
A U Ravi
1／579，Rashmi
Udayamperur PO
Puthiyakavu－682 307
Mob ： 9446290338
8281826834
E－mail ：raviau1258＠gmail．com
 ఎையาฟ్రిกாชีกั゙

 めலロஸ๐？












ேேோை வட்னిmு．உாிறிรఱிண




 கலழ̆」 களூळั！


















 カெவி毋வைం．


## Aiswarya Pradeep



Deva Nandan, S/o Bijumon B/OM\&S

D/o Pradeepkumar PP/P\&U


Sahana J, Std VI, D/o R Jeyanthinathan/Mfg



Sujith KP, Vocational apprentice/Finance

## Our Salute to an Ignited Mind



It was 6 June 2010.
He came. He conquered the hearts of many children including those from BPCL Kochi Refinery family.

He was here at Kochi Refinery to inaugurate BPCL's CSR programme of Capability Exploration \& Enabling Programme carried out by NGO, M/s Nanma. An initiative to groom many ignited minds.

We salute this great Indian Visionary, Dr APJ Abdul Kalam, who departed from us leaving behind inspiring words, memories and a legacy of simple living and higher thinking.

