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January - March 2019, Vol. 62

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House Journal of Numaligarh Refinery Limited

NUMALIGARH
REFINERY
LIMITED

A GOVERNMENT OF INDIA ENTERPRISE



BE A CONSERVATION SOLDIER



Editorial

Dear Readers,

History was scripted in golden letters on 16th of January 2019 when the Cabinet Committee of Economic Affairs (CCEA) gave its formal nod to NRL's Refinery Expansion proposal from 3 MMTPA to 9 MMTPA. At Rs. 22,934 Crore, it would be the highest ever investment in North East India since independence. As realisation sank in and celebrations followed, the clarion call was loud and clear- brace up for challenging times ahead! Ripples of celebration also permeated across the State with stakeholders and people in general hailing the development as a game-changer which holds the promise of significant and perceptible development of the State and the region.

The quarter was eventful in more ways than one. On 9th of February 2019, Hon'ble Prime Minister Shri Narendra Modi laid the foundation stone of NRL's Bio Refinery- the country's maiden bamboo biomass Bio Refinery being executed through a JV with Finnish collaborators; through ceremonial unveiling of plaque in the outskirts of Guwahati. A few weeks later on 1st March 2019, Hon'ble Petroleum Minister Shri Dharmendra Pradhan dedicated to the nation NRL's Mounded Bullet Project by unveiling of digital plaque in Guwahati.

The financial year 2018-19 closed on a positive note with impressive results recorded in all key areas, reflecting not only the robust health of our company but also its forays into several important projects and JVs of national importance. Check out 'Performance Highlights' section of Rodali for a holistic peek into the year that was.

Two prestigious awards presented during the quarter viz. Governance Now PSU Awards and Refinery Performance Improvement Award 2017-18 further upped the positive vibes.

Taking forward Petroleum Ministry's month long SAKSHAM 2019 campaign which endeavours to reach out to the masses and spread the message of conservation of fossil fuels, several programs were held in the Refinery and adjoining areas. NRL also organised SAKSHAM Cycle Day in Silchar on 20th January 2019 as part of similar cycle rallies held in 200 cities across the country, which evoked widespread response.

I hope that news, nuggets and paraphernalia across the greater NRL family covered in this issue will keep you glued till the end.

With warm regards,

Madhuchanda A Choudhury

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Rodali : January - March 2019

Published by Corporate Communications Department
for Numaligarh Refinery Limited

122A, G. S. Road, Christanbasti, Guwahati - 5

Website: www.nrl.co.in

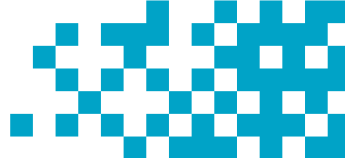
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Design & Production: Exclusive Advertising Pvt. Ltd.



Highlights of NRL's performance during Q4 and FY 2018-19

Physical Performance

Capacity Utilisation

NRL's crude throughput during the fourth quarter of the year was 701 TMT reflecting a capacity utilisation of 93%. During the year, NRL's crude throughput was 2,900 TMT, which is better than the MoU target of 2850 TMT and 3% higher than previous year's 2,809 TMT.

During the year, NRL has achieved highest ever HSD production of 1933 TMT and Highest ever LPG Bottling of 51 TMT, previous best 39 TMT in 2017-18.

Production Efficiency

- During 2018-19, distillate yield was achieved at 87.1% in line with the MoU target. The distillate yield during Q4 was 87.8%.
- Specific Energy Consumption (SEC) during the year was 66.62 MBN which was better than PAT target of 67 MBN. Specific Energy Consumption (SEC) during Q4 was 62.66.
- Energy Intensity Index (EII) during the year was 87.9 against the internal target of 87. Energy Intensity Index (EII) recorded during Q4 was 85.96

Marketing Performance

- Highest ever product sales of 2977 TMT, 3.1% increase over previous years 2912 TMT.
- During 2018-19, NRL exported 80 TMT of HSD to Bangladesh and Myanmar and 8 TMT of paraffin wax to 10 different countries. Total value of export was approximately USD 61 million.

Capital expenditure

Capital expenditure including investment in Joint Ventures (JVs) during Apr'18-Mar'19 was ₹458.96 Crore (prov.) against MoU target of ₹428 Crore.

Ongoing / Upcoming Projects

i) Refinery Expansion from 3 to 9 MMTPA:

NRL's expansion plan of its refinery from 3.0 to 9.0 MMTPA has been approved by the Cabinet Committee of Economic Affairs (CCEA) on 16.01.2019. Govt. of India has also approved an amount of ₹1,020 Crore as capital subsidy for the project. The integrated refinery expansion project has three components –

- Setting up a new 6 MMTPA refinery at Numaligarh, Golaghat;
- Laying a Crude Oil pipeline (9 MMTPA, 1398 km) from Paradip in Odisha for transporting imported Crude Oil; and
- Laying a product pipeline (6 MMTPA, 654 km) from Numaligarh to Siliguri in West Bengal.

ii) Indo-Bangla Pipeline Project:

NRL and Bangladesh Petroleum Corporation has entered into a MoU for setting up a 129.5 KM product pipeline from NRL's Siliguri Marketing Terminal in India to Parbatipur in Bangladesh. The estimated cost involved in laying the pipeline is ₹346 Crore. The project will be implemented with Grant-in-aid support of ₹285 Crore from the Govt. of India for the Bangladesh portion of the pipeline. NRL's investment in the project will be ₹61 Crore. The ground breaking ceremony was inaugurated by Hon'ble Prime Minister of India and Bangladesh on 18.09.2018.

Investment in new JVs

i) Assam Bio Refinery Pvt. Limited (ABRPL):

NRL has entered into a JV to set up a Bio-refinery for production of ethanol from bamboo bio-mass. The JV Company was incorporated as "Assam Bio-Refinery Pvt. Limited" on 04.06.2018 with equity participation of NRL (50%), Chempolis Oy, Finland (22%) and Fortum 3 B.V., Netherland (28%). The estimated cost of setting up the Bio-Refinery is ₹1,259 Crore and is targeted to be completed by March 2021.

ii) Indradhanush Gas Grid Limited (IGGL):

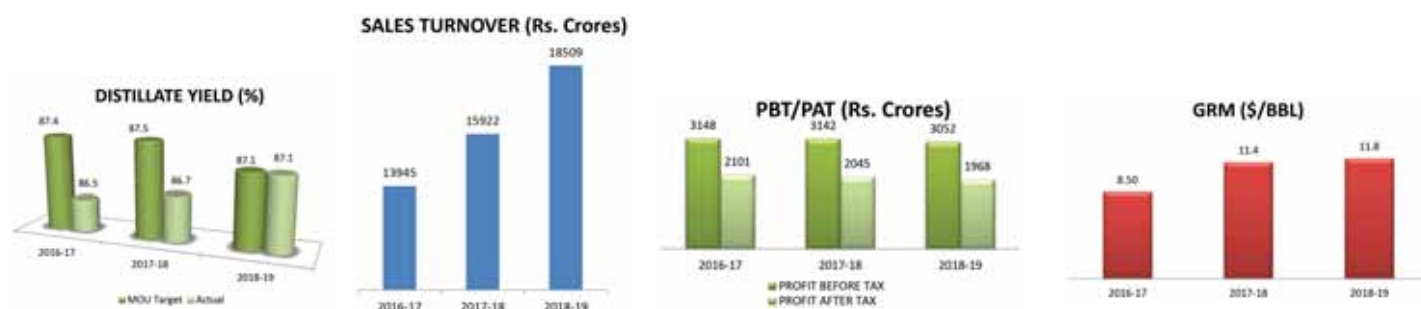
NRL has entered into a JV to implement the North East Gas Grid project along with IOCL, ONGC, GAIL and OIL. The JV Company "Indradhanush Gas Grid Limited" was formed on 10.08.2018 with equal equity participation of 20% from all five promoters. The estimated cost of implementing the project is ₹9,265 Crore. Project is anticipated to be completed by 2023.

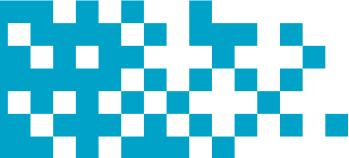
Financial Performance

- Sales turnover during the year 2018-19 at ₹18,509 Crore was highest ever achieved by the Company and 14% higher than previous year's turnover of ₹15,922 Crore.
- During the year PBT was ₹3,052 Crore vis-à-vis previous year's ₹3,142 Crore. PAT during the year was ₹1,968 Crore compared to ₹2,045 Crore in the previous year.
- Gross Refining Margin during the year was \$11.80 per bbl compared to \$11.43 per bbl in the previous year.
- During the year 2018-19, contribution to the Central and State exchequer was ₹4,159.17 Crore

MoU performance

The provisional self-evaluated MoU score for 2018-19 has been worked out under excellent rating.





Union Cabinet clears Numaligarh Refinery Expansion Proposal from 3 MMTPA to 9 MMTPA

• Highest ever investment in North East India at Rs. 22,594 Crore

Giving a definitive push to its North East development Agenda, the Union Cabinet on 16-01-2019 cleared the proposal for capacity expansion of our Refinery from its



Post Cabinet approval, Mission Refinery expansion kick-started on a positive and celebratory note. The first brainstorming session was held in Numaligarh on 23-01-19. A ceremonial cake was cut to mark the occasion

CCEA Decision
January 16, 2019

Capacity expansion of Numaligarh Refinery

- The CCEA, has given its approval to the project for capacity expansion of Numaligarh Refinery from 3 MMTPA (Million Metric Tonne Per Annum) to 9 MMTPA. It involves setting up of crude oil pipeline from Paradip to Numaligarh and product pipeline from Numaligarh to Siliguri at a cost of Rs.22,594 crore. The project is to be completed within a period of 48 months, after approval and receipt of statutory clearances.
- The total project cost of Rs. 22,594 crore will be financed by a mix of debt, equity and Viability Gap Funding (VGF). The debt of Rs.15,102 crore will be raised by Numaligarh Refinery Ltd (NRL) and apart from its internal accrual of Rs.2,307 crore, the promoters, namely, Bharat Petroleum Corporation Ltd, Oil India Ltd & Government of Assam (GoA) will contribute to equity.
- The project will be supported by Viability Gap Funding of Rs.3,020 crore from the Government of India.
- The expansion of the refinery will meet the deficit of petroleum products in the North East. It will also sustain the operations of all North East refineries by augmenting their crude availability. It will generate direct and indirect employment in Assam and is a part of the Government's Hydrocarbon Vision 2030 for the North East.

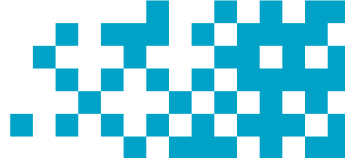
existing 3 Million Metric Tonnes per annum (MMTPA) to 9 MMTPA at an estimated investment of Rs. 22,594 Crore, the highest so far in NE India. The project completion time would be 48 months from the zero date. In addition to capacity expansion, the project would also include a 9 MMTPA, 1,398 KM Crude oil pipeline from Paradip to Numaligarh and a



Celebrations at Siliguri Marketing Terminal on 29-01-19



Celebrations at Nabarang Club, Golaghat on 04-02-19



6 MMTPA, 654 KM Product pipeline from Numaligarh to Siliguri.

The Cabinet approval provides for granting Capital subsidy to the tune of Rs. 1,020 Crore and continuation of 50 % Excise duty benefit to the Project for a period of 15 years post commissioning.

This mega project would usher Assam and the NE region in a new era of economic and industrial development by boosting large scale investment opportunities and creating robust direct and indirect employment opportunities. An estimated 8,000 people would be involved in executing the project during its construction period. The project would also contribute significantly in meet the growing demand of petroleum products in North East and Eastern India and ensure crude oil security for all the four Assam Refineries. It would additionally act as a fulcrum and prime mover for

other projects envisaged in the NE Hydrocarbon Vision 2030. Auguring well with Act East Policy of Govt. of India, it will enhance export of petroleum products to India's geographically contiguous neighbour's viz. Myanmar, Bhutan and Bangladesh.

"This is a much welcome economic policy decision at the highest level based on the recommendation of the Public Investment Board. Other than elevating the stature of NRL as a front ranking oil and gas company in the national and global scenario, the project will serve to accelerate the economic growth of the region, which is inextricably intertwined with the overall development indices of the country. The crude oil pipeline envisaged would ensure sustenance of all the four Assam Refineries which have been facing crude oil shortages in the last two decades", said MD Mr. S.K. Barua on this landmark development.

Interim Dividend of Rs. 127.15 Crore presented to Govt. of Assam for FY 2018-19

On 26-02-2019 the 2nd Interim Dividend cheque amounting to Rs. 77.2 Crore was presented to Govt. of Assam for the Financial Year 2018-19 against its equity holding of 12.35% in the Company. The cheque was presented to Hon'ble CM of Assam Shri Sarbananda Sonowal by MD Mr. S K Barua at the Assam Assembly premises, Dispur in presence of Minister of Industries, Govt. of Assam Shri Chandra Mohan Patowary, Additional Chief Secretary, Deptt of Industries and Commerce, Shri Ravi Capoor and other senior Govt. and NRL officials.

With this, the Company has paid an amount of Rs. 127.15 Crore as Interim Dividend for the financial year 2018-19.



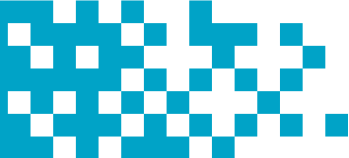
MD Mr. S. K. Barua handing over the 2nd Interim dividend cheque of Rs. 77.2 Crore for FY 2018-19 to Hon'ble CM of Assam Shri Sarbananda Sonowal in Guwahati on 26-02-19.

Hon'ble PM lays foundation stone of NRL's Bio-Refinery

• Biggest FDI in India's North East

On 9-02-19 Hon'ble Prime Minister of India Shri Narendra Modi laid the foundation stone of the Company's Bio Refinery Project at a function at Changsari in the outskirts of Guwahati, Assam by unveiling of plaque. Also present during the function were His Excellency the Governor of Assam Shri Jagdish Mukhi, Hon'ble CM of Assam Shri Sarbananda Sonowal, his senior cabinet colleagues and a host of senior officials from Oil PSUs, Central and State Govt.

This would be the first of its kind Bio Refinery in the country with bamboo biomass as feedstock with technology from M/s Chempolis Oy, Finland. The project, which will be the biggest of 12 such refineries being set up in the country, is being implemented in Numaligarh through a JV named M/s Assam Bio Refinery Pvt Ltd. with major equity holding of 50% by NRL, 28% by Fortum and 22% by Chempolis- both Finnish companies.



Hon'ble PM Shri Narendra Modi lays the foundation stone for NRL's Bio-Refinery Project on 09-09-19 at Changsari, Assam by ceremonially unveiling the plaque

The Bio Refinery will produce green fuel Bio ethanol in line with the Bio-Fuel Policy of Govt. of India for blending with Motor Spirit which would in turn reduce India's dependence on imported crude oil. The Bio Refinery

would also boost the rural economy of the North East by opening opportunities for commercial cultivation of bamboo, which is abundantly available in the region and help local communities to become self-sustainable.



Hon'ble Petroleum Minister Shri Dharmendra Pradhan dedicates NRL's Mounded Bullet Project for LPG storage by ceremonial unfurling of plaque on 01-03-19 in Guwahati

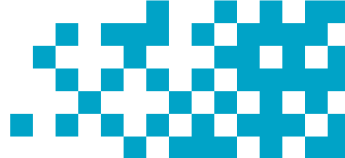
MoU inked with IIT Guwahati for incubation of Startups to be funded under NRL iDEATION

The Company has inked a Memorandum of Understanding (MoU) with IIT Guwahati (IITG) for incubation of its sponsored Startups under its Startup funding initiative 'iDEATION'. The MoU was signed on 22-02-19 at IITG between our Director (Technical) Mr. Bhaskar Phukan and Director, IITG Prof. Gautam Biswas in the presence of CGM(Tech) NRL, Mr. Nikunja Borthakur, DGM(CC) NRL Ms. Madhuchanda Adhikari, Dean (R&D) IITG Prof Gopal Das and Prof K Darunkumar Singh, Faculty in charge, Technology Incubation Centre (TIC), IITG.

The MoU will facilitate providing incubation facility and mentoring to the Startups selected through iDEATION



Director (Technical) Mr. Bhaskar Phukan (right) shakes hand with Director, IITG Prof. Gautam Biswas (left) after signing of the MoU at IITG on 22-02-19



by the established Technology Incubation Centre (TIC) of IITG. This win-win collaboration will provide impetus, necessary infrastructure and guidance for taking forward the Company's sponsored Startup projects in the region. Launched in the year 2017 for nurturing and boosting a

Startup ecosystem in North-East India, iDEATION is NRL's contribution towards the ambitious 'Startup India' Mission of the Govt. of India.

NRL hosts US Ambassador

On 26-02-19, the Company hosted a high level delegation from the U.S. Embassy, New Delhi led by U.S. Ambassador to India Mr. Kenneth I. Juster. Ambassador Juster was accompanied by Consul General of USA, Kolkata -Ms. Patti Hoffman, Consul for Political and Economic Affairs, Kolkata Mr. Prasenjit Gupta and Public Affairs Officer Mr. James Dragon. The delegation was received and greeted by MD Mr. S K Barua and other senior officials of



MD Mr. S K Barua (centre) greets U.S. Ambassador to India Mr. Kenneth I. Juster (Right) along with Consul General of USA, Kolkata -Ms. Patti Hoffman (Left) in Guwahati on 26-02-19

the company.

The discussions were held primarily on possible areas of collaboration and cooperation of NRL with

American companies in the backdrop of the NRL's upcoming mega expansion project to enhance its refining capacity from 3.0 MMTA to 9.0 MMTA. Refining companies in India have often adopted US based technology and services, with USA playing a major role in Oil and Gas industry of the world.

In his interaction Ambassador Juster said, 'The US Embassy would be pleased to facilitate involvement of US companies in Numaligarh Refinery's expansion plans'

MD Mr. S K Barua thanked Ambassador Juster for taking this initiative and expressed hope that the deliberations would further open up avenues for NRL to collaborate with US companies as it embarks on its mega expansion drive.



AWARDS

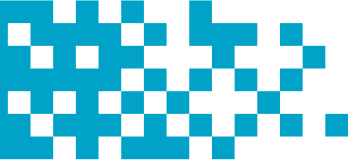
NRL wins Refinery Performance Improvement Award

Our Company has been adjudged 2nd amongst Indian refineries at the 'Refinery Performance Improvement Awards' for the year 2017-18.

The award was presented by Secretary, Ministry of Petroleum & Natural Gas (MoP&NG), Govt. of India Dr. M M Kutty to Team NRL led by Director (Technical) Mr. B J Phukan at the inaugural function of the 23rd Refining & Petrochemicals Technology Meet (RPTM) held in Mumbai on 12-01-19.



Refinery Performance Improvement Award for the year 2017-18 being presented by Secretary, MoP&NG Dr. M M Kutty to Team NRL led by Director (Technical) Mr. B J Phukan



Instituted by MoP&NG, this award recognises the best in performance under six key parameters viz. Crude Throughput, Specific Energy Consumption, Specific Steam Consumption, Carbon Emission Intensity, Operating Cost and Specific Water Consumption.

The companies selected for this prestigious award go through a rigorous test of competence and is selected by a committee constituted by MoP&NG.

Governance Now PSU Award for Strategic Performance



MD Mr. S.K. Barua receiving the Governance Now 6th PSU Award for Strategic Performance from Hon'ble MP Shri Manoj Tiwari and veteran actress & social activist Smt. Poonam Dhillon at New Delhi.

Our Company has been honoured as the **Best Miniratna PSU in Strategic Performance (Financial Category)** at the *Governance Now 6th PSU Awards*. The award comprising of a trophy was presented to MD NRL Mr. S. K. Barua by Hon'ble MP Shri Manoj Tiwari and veteran actress and social activist Smt. Poonam Dhillon at a glittering award function held in New Delhi on 17-01-19.

The awards honour the efforts of Public Sector Undertakings (PSUs) that have played a key role in the country's growth and are evaluated through a two-phase rigorous process by data science agency M76 Analytics (IIT Bombay incubated) while the performances are measured using the Moody's methodology.

News in pictures

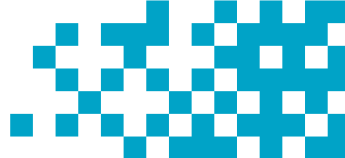


NRL Business Partners' Meet held in Guwahati on 09.01.2019

GRIHA PRAVESH



Griha Pravesh of NRL Guesthouse at Kharguli, Guwahati on 14-03-19



Republic Day Celebrations

The 70th Republic Day of the Nation was celebrated with great fervour and enthusiasm in Numaligarh. Chief Guest MD Mr. SK Barua took the ceremonial Guard of Honour at the NRL Township playground in the presence of employees and representatives from associates DPS Numaligarh, VKNRL Hospital and CISF.

The programme began by laying of wreath at the Amar Jyoti Jawan by the Chief Guest and paying homage to the immortal and mighty martyrs. This was followed by the customary unfurling of the National Flag and

singing of the National Anthem by all present. Students of DPS Numaligarh presented a bouquet of colourful programmes and marched in contingent along with the CISF personnel. The CISF also gave a demonstration by its Commandoes, which left the audience awe-struck.

In his speech, MD Mr. S K Barua exhorted employees to dedicate themselves to the service of the nation through sincere contribution in their areas of work. *'While we celebrate and cherish our freedom and democracy, let us not forget our responsibility as citizens and*

be sincere in discharging our duties towards our organization, to our families and to the society as a whole, while warding off and guarding ourselves from divisive elements which threaten to dent our unity and integrity', he said.

Selected CISF personnel were also felicitated on the occasion for their exemplary bravery during duty, and 'Jawan of the Month' award was also given away for encouraging best performances by the CISF jawans. The celebration came to an end with a friendly volleyball match.



MD Mr. S K Barua unfurls the National Flag at the Republic Day Celebrations in Numaligarh



MD Mr. S K Barua inspects the Guard of Honour



SCGM (Mktg. & BD) Mr. B Ekka unfurls the National Flag during Republic Day celebrations at Corporate Office, Guwahati



Republic Day celebrations at Siliguri Marketing Terminal

SAKSHAM

NRL joins month-long SAKSHAM campaign to promote fuel conservation



Our Company joined in the countrywide SAKSHAM (Sanrakshan Kshamata Mahotsav) 2019 campaign, spearheaded by Petroleum Conservation Research Association (PCRA) under the aegis of Ministry of Petroleum & Natural Gas, Govt. of India which was observed from 16th Jan to 15th Feb. '19. Propagated to create awareness on fuel conservation through people centric activities and to sensitize the masses about the efficient utilization of petroleum products for better health and environment, the campaign drew active participation from various other Oil & Gas PSUs along with State Governments alike.

Various activities were undertaken across the Company and its neighbouring areas during the month-long campaign with focus on students, household helpers, drivers, fleet operators along with employees. At the very onset of the campaign, MD Mr. S K Barua shared his message for SAKSHAM 2019 with all employees, urging them to actively participate in the initiative. The message is reproduced in **3rd Cover of this issue**. Starting the campaign with the conservation pledge being administered by employees across the Company, quiz competition & various awareness drives were in the refinery units, street plays were organised in nearby market places and extempore cum quiz competitions were organised in schools near the Refinery. Also, fuel efficient cooking competition for domestic helps/cooks, free vehicle pollution check for the public, Refinery Steam leak survey by Industry experts, publication of conservation articles in leading newspapers along with a talk show on energy conservation by MD Mr. S K Barua on FM radio were some of the other activities



Student from a nearby school delivers a speech during the valedictory function of SAKSHAM 2019 held in 15-02-19

SAKSHAM Pledge taking



At Corporate Office, Guwahati



At Numaligarh location



At Marketing office, Guwahati

carried out for spreading the fuel conservation message. "Fossil fuels will not last forever. We, as consumers of energy -be it LPG at our homes or petrol /diesel in our vehicles, have to be very conscious in optimally using these energy sources, so that we can sustain them for longer and create a greener environment for ourselves, the nation and the generations to come", said Mr Barua.

The eventful SAKSHAM month ended with the valedictory function on 15th Feb., '19 which was held in Numaligarh. Teachers and students of nearby schools were invited and prizes of various in-house competitions were given out in presence of senior NRL officials.

SAKSHAM Cycle Day organised by NRL in Silchar

Hundreds of cyclists paddled their way promoting good health, environment protection and fuel conservation at the **SAKSHAM Cycle Day** organized by the Company in Silchar on 20-01-19. This is part of SAKSHAM Cycle Day being observed in 200 cities simultaneously across the country. The cyclists followed a 5 km 'Green Ride' route starting from Police Parade Ground through Cachar College, Madhuramukh, Rongpur Ground to finally culminate at the starting point.

Earlier, the cycle rally was flagged off by a host of distinguished dignitaries which included Sr. CGM (Mktg. & BD) Mr. B. Ekka, noted social activist of Silchar -Dr. Rajdeep Roy; Member Secretary, SLAC for Students and Youth Welfare, Assam Mr. Lakhya Konwar, Superintendent of Police-Silchar Mr. Rakesh Roushan in presence of MLA Borkhola Shri Kishore Nath; MLA Silchar Shri Dilip Kumar



Flagging off of SAKSHAM Cycle rally by dignitaries at Silchar

Paul; Vice Chairman, Silchar Municipal Board Ms. Chameli Paul and officials from NRL and representatives of other local bodies.

Promoted by the slogan, 'Ao Cycle Chalaye' and tagline- 'Cycle



GM (Marketing) Mr. Subrata Das addresses the gathering in Silchar



Team NRL with collaborators of SAKSHAM Cycle Day in Silchar

for Health, Environment and Growth', SAKSHAM Cycle Day is a part of the month long nationwide SAKSHAM 2019 (Sanrakshan Kshamta Mahotsav) being observed from 16th January 2018 to 15th February 2018.

Marketing and Business Development Strides

Export of HSD to Myanmar

In our Company's pursuit of exploring and establishing markets for its products beyond borders, upper Myanmar has been identified as a promising and geographically contiguous market.

In this regard, a consignment of 20 KL HSD was exported to Tamu through Asian Highway-1 (Numaligarh-Moreh-Tamu). The truck bound for Moreh-Tamu was despatched from our Marketing Terminal in Numaligarh on 26-03-19 consequent to signing of MoU with M/s Purity Trading Co. Ltd., Myanmar on 26-02-19 at Marketing Office, Guwahati for export of 40 KL HSD to Myanmar.

This is the 2nd such export subsequent to the 1st consignment exported during September, 2017 to M/s Parami Energy.

Glimpses of NUMALIGARH MARATHON 2019

Run to keep fit



Numaligarh Marathon completes its 4th edition

With over 3200 participants, the 4th edition of Numaligarh Marathon 2019, the flagship sporting event of the Company got underway on 17th Feb 2019 at Numaligarh Township. Espousing the concept of 'Run to keep fit' to spread awareness on health and fitness, the Marathon drew overwhelming response from participants from the neighbourhood of the Refinery, NRL employees and their families, marathoners and fitness enthusiasts from across the State, country and abroad as well. Drawing magnanimous response from international runners every year, this edition of Numaligarh Marathon saw the highest participation from Kenya.

The competition was held in three categories- 21.1 km. (Half Marathon), 10 km. (Endurance Run) and 5 km. (Dream Run) amongst men and women. Beating the morning chill, the enthusiastic participants thronged the two start-off points -viz. DPS Playground, NRL Township (for 21.1 km and 10 km) and Numaligarh Refinery Marketing Terminal Main Gate (for 5 km.). The runs for the different categories were flagged off by MD Mr. S. K Barua, Director (Technical) Mr. B.J Phukan, Director (Finance) Mr. Indranil Mitra alongwith the invited guests from the aforesaid three locations. Results in a gist are as follows :

Results

Men 21.1 KM

1st Prize : Noah Kipsang Kemei, Kenya : Clocking time : 1:13:20

2nd Prize : Isaac Kipkemai Ngemui, Kenya : Clocking time : 1:42:25

Women 21.1 KM

1st Prize : Caren Jebet Maiyo, Kenya : Clocking time : 1:22:55

2nd Prize : Matuware Ahmed, Boko, Assam : Clocking Time : 1:37:03

Men 10 KM

1st Prize : Jitendra Kumar , Digboi , Assam : Clocking time : 31:40

Women 10 KM

1st Prize : Dateibankynmaw Marwein, Shillong : Clocking time : 41:40

Men 5 KM

1st Prize : Debojit Khalkho, Dibrugarh, Assam : Clocking time : 22:38

Women 5 KM

1st Prize : Ayushree Robidas, Numaligarh, Assam : Clocking time : 30:24

Professional International Footballer and Arjuna Awardee Oinam Bembem Devi, upcoming National Athlete Ambrika Narzary, Mr. Universe and Mr. World 2018 Golap Rabha and Mr. Assam Kushal Changmai graced the event and spurred the need for fitness and good health during the concluding function, which was held at DPS Numaligarh playground. **Oinam Devi** while congratulating NRL for holding such a mass sporting event, expressed her contentment in seeing so many people gathering at dawn to participate in a sports event. She encouraged NRL to continue its efforts in promoting and developing sportsperson from the region. **Golap Rabha** motivated the gathering with his encouraging words and conveyed the message that a healthy mind dwells in a healthy body and he believed that a healthy body is a promoter of positivity in the society. He urged people to take up running as a sport and a hobby and live a healthy life.

Prizes were distributed to the winners in the various categories during the concluding function in presence of the guests and NRL Directors. MD Mr. S. K Barua shared his delight on the huge turnout in the event and reiterated his dream to make Numaligarh Marathon into a full marathon in the near future. He even mentioned about increasing the amount of the prize money in the next editions enthused by the huge support and popularity of the event-locally as well as nationally & internationally.

1st PSPB Inter Unit Squash Tournament held in Numaligarh

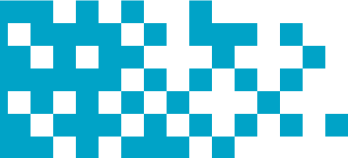
Our Company successfully hosted the 1st Petroleum Sports Promotion Board (PSPB) Inter Unit Squash Tournament 2018-19 held from 23rd to 25th January, 2019 at NRL Township in Numaligarh. The tournament witnessed electrifying matches amongst the participating member organisations viz. ONGC, OIL and hosts NRL (Team A & Team B).

A total of 42 matches were played throughout the tournament across 5 categories ie. Men's Team event, Veteran's Team Event, Women's Singles, Men's Singles and Veteran's Singles. The matches were played in the Kaliyani Club and Rangchali Club Squash Courts in NRL Township.

The 3-day tourney finally concluded with the distribution of prizes to the winners by CGM(HR in-charge), NRL Mr. Debashish Choudhury and PSPB Member Secy. Mr. S Halder in the presence of tournament organisers Ms. Pronita Deka, Mr. A N Choudhury, Mr. Bipul Thakuria and Mr. D Konwar.



Players in action during the 1st PSPB Inter Unit Squash Tournament 2018-19



RESULTS

Men's Team Event

Winner: OIL

1st Runners-up: NRL (Team A)

2nd Runners-up: NRL (Team B)

Veteran's Team Event

Winner: OIL

1st Runners-up: ONGC

2nd Runners-up: NRL

Women's Singles

Winner: Sachika Ingale, ONGC

1st Runners-up: Ankita Sarkar, NRL

2nd Runners-up: Chandana Phukan, OIL

Men's Singles

Winner: Gurveer Singh, OIL

1st Runners-up: Ali Hyder, NRL

2nd Runners-up: Jitendra Kumar, OIL

Veteran's Singles

Winner: Jayanta Kalita, OIL

1st Runners-up: Phukan Hazarika, NRL

2nd Runners-up: Prashant Kr.Dhodapkar, OIL



CGM(HR in-charge), NRL Mr. Debashish Choudhury and PSPB Member Secy. Mr. S Halder hand over the trophy to Women's Singles winner Ms. Sachika Ingale from ONGC



Hosts 'Team NRL' pose for a photograph with NRL Director (Technical) Mr. B J Phukan

Women Volleyball Players skilled with Advanced Training



Women Volleyball players pose for a photograph with Coach Mr. Srimantoo Boro(right) & DGM (Vigilance In Charge),NRL Ms. Pronita Deka(left) during the advanced training camp organised from 7th to 10th March 2019 at the NRL Township Playground

NRL's participation in various PSPB Tournaments during 2018-19

A total of 88 employees participated in various events as given below:

S. No	EVENTS	ORGANIZED BY	SCHEDULE	VENUE
1	GOLF	OIL	5 - 8 Dec '18	GR NOIDA
2	LAWN TENNIS	IOCL	23 - 27 Dec '18	HYDERABAD
3	SQUASH	NRL	22 - 25 Jan '19	NRL TOWNSHIP
4	CRICKET	BPCL	13 - 17 Feb '19	CHANDIGARH
5	ATHLETICS	ONGC	13 - 15 Feb '19	HYDERABAD
6	CARROM	OIL	27 th Feb - 24 th March '19	Kolkata
7	VOLLEYBALL	ONGC	7 - 10 March '19	DEHRADUN
8	FOOTBALL	PLL	13 - 17 Feb '19	KOCHI
9	CHESS	MRPL	18 - 22 March '19	MANGALORE
10	KABADDI	CPCL	27 - 30 March '19	CHENNAI

Activities carried out by Fire & Safety Department during January to March 2019

Road Safety Week

Road Safety Week was observed under the aegis of the Ministry of Road Transport & Highways, Govt. of India every year. The Ministry has announced the date for observance of 30th Road Safety Week from 4th to 10th February' 2019. This year's theme was '*Sadak Suraksha – Jeevan Raksha*'. Highlights activities were carried out during the observation of Road Safety Week' 2019 which are as follows:

- Road Safety badges distributed to employees, workers, hired vehicle drives and POL drivers.
- Road safety pamphlets & pocket calendars distributed in the main gate of the Refinery and Chocolates were also distributed to the drivers / passengers wearing seat belt/helmet at the main gate on 4th Feb' 2019.
- Awareness Programme conducted for Drivers (Heavy Vehicles, cranes, fork-lift operators & Contract Drivers) at Workshop and ASPU 4th Feb' 2019.
- Fluorescent Stickers pasted on in-house vehicles, cranes, fork-lifts and POL tankers.
- Road Safety awareness programme conducted for the security personnel of the Township on 5th Feb' 2019.
- Online Quiz on Road Safety organized amongst employees on 6th Feb' 2019.
- Awareness programme for POL driver conducted at NRMT Tanker Stand on 7th and 8th Feb' 2019.
- Free eye check-up camp was organized for the POL drivers and helpers on 7th and 8th Feb' 2019. During the camp, spectacles and medicines were also distributed free of cost. More than 600 nos. of POL drivers and helpers underwent the eye check-up.

Awareness Programmes

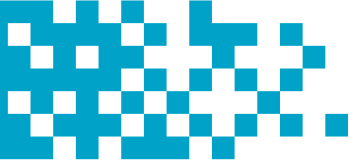
- Safety Awareness Programme along with demonstration on fire fighting was organized at the VKNRL Nursing School on 11th Feb' 2019. A few Fire extinguishers were also handed over to the school during the programme.
- Public safety awareness programme was conducted in Bishnupur village on 20th Feb' 2019. A special training on emergency handling and rescue was organized with the help of Civil Defense personnel.

48th National Safety Week

48th National Safety Week was observed along with the rest of the country from 4th March to 11th March '2019. This year the theme, as conveyed by National Safety Council, was "CULTIVATE & SUSTAIN A SAFETY CULTURE FOR BUILDING NATION".

Some of activities were carried out during the observation of National Safety Week' 2019 which are as follows:

- On the first day on 4th March' 2019, safety badges were distributed amongst the employees and workers and organized inaugural function where Sri Nikunja Borthakur, CGM (Tech) along with Sri Gopal Sarma, CGM (Ops) hoisted the safety flag and it was followed by a pledge taking ceremony.
- Competitions on safety slogans, essay writing, safety suggestions, safety poster making etc. were organized for employees, their spouses & children, workers, CISF personnel, staff of VKNRL Hospital and DPS. In addition to these, competitions on best PPE compliance, best safety performance and housekeeping were also organized and winners were awarded during the closing meeting.
- Spot Safety Quiz was conducted during the morning meeting on 5th & 7th March' 2019.
- On 5th & 6th March' 2019, demonstration on use of BA-set was organized at the process units.
- Safety awareness programme was conducted for workers of Township on 5th March' 2019.
- A Safety meeting was organized for the workers on 6th March' 2019 at refinery 2nd gate in which various PPE were displayed
- Awareness cum training programme on emergency handling and rescue was conducted for CISF personnel on 6th March' 2019 at CISF colony in coordination with Civil Defense personnel.
- During the Weekly Communication Meeting on 7th March' 2019, quiz on incident analysis was organized.
- Awareness programme on safety was organized for the workers of Bio Refinery & SRB project on 7th March'



2019.

- Awareness programme on safety was organized for contract workers of ASPU on 8th March' 2019 & fluorescent jackets were also distributed to them.
- Safety meeting for contractor supervisors was conducted on 8th Mar' 2019 at Fire Station.
- Safety awareness programme for nearby public of Rajabari Tea Estate was organized on 9th March' 2019. A health check-up camp was also conducted during the programme in collaboration with VKNRL Hospital.

- Closing meeting was organized at fire station in which prizes were distributed to the winners of various competitions held during the safety week.

Mock Drill

- Three numbers of minor fire mock drills conducted during the period of January to March' 2019 at SS#2, NRMT and ASPU on 31st Jan, 28th Feb and 29th Mar' 2019 respectively.
- 16th Offsite Disaster Mock drill was conducted in association with District Administration of Golaghat on 15th March' 2019.

Photo Gallery



Safety Awareness at Workshop



Eye checkup for POL Drivers



Training at Nursing School



Safety Week closing function



Mock Drill



Prize distribution for competitions held on the occasion of National Safety Week at SMT

Siliguri Marketing Terminal Snippets

Tribute to Late Amlan Mazumdar

Rich tributes were paid to Late Amlan Mazumdar, in-charge of SMT on 02-02-2019 who died in a tragic accident while on duty 4 years ago





35th Annual North Bengal Flower Show

SMT bagged 16 prizes in 35th Annual North Bengal Flower Show held from 06th - 12th February 2019 at Siliguri



Onsite Disaster Drill

As an emergency preparedness and for effective coordination between district administration and mutual aid members, an Onsite Disaster Management Plan Drill was carried out at Siliguri Marketing Terminal on 25.03.2019 at 15.00 Hrs. The drill was observed by dignitaries of OMCs (Mutual aid members like BPCL, IOCL, OIL) and district authorities. Post drill discussion was conducted to ascertain effectiveness of the drill as well as shortcomings.



CSR News

MoU signed for developing Darrang District, Assam as Aspirational District

As part of CSR, NRL inked a Memorandum of Understanding (MoU) with the District Administration of Darrang district for developing it into an 'Aspirational District'. The MoU was signed on 22nd Feb, 2019 between CGM (HR i/c.) Mr. Debashish Choudhury and Superintendent, Mangaldai Civil Hospital Mr. Kalyan Chandra Borah in presence of Addtl. Dy. Commissioner Mr. N N Nath, Asst. Commissioner Smt. Hemashri Khanikar representing the Darrang District Administration.



The MoU will enable developmental work in the focus areas of Health & Nutrition and Education in the Darrang District aiming to uplift the region and compete as one of the best districts in the State and the Country. NRL has already taken up projects in the aforesaid areas and will start with the project of improving logistics & infrastructure facilities of the Mangaldai Civil Hospital in Darrang District.

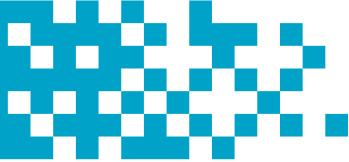
The 'Aspirational District' Programme was launched by Hon'ble Prime Minister on January 5, 2018. It aims to

rapidly transform the districts that have shown relatively lesser progress in key social areas and have emerged as pockets of under-development, thereby posing a challenge to ensure balanced regional development. Out of the 115 districts identified by NITI Aayog across the Country under the 'Aspirational District' programme, 7 districts viz. Darrang, Dhubri, Barpeta, Goalpara, Baksa, Udalguri and Hailakandi from Assam are in the race.

Photo Speak

Distribution of farm machineries to Custom Hiring Centre on 18th March, 2019 in Golaghat





Water Tankers provided to Assam Urban Water Supply & Sewerage Board, Jorhat

Continuing with our Company's CSR endeavour of providing safe drinking water to villages and towns, 3 Water Tankers of capacity 3,000 litres each were handed over to Assam Urban Water Supply & Sewerage Board (AUWSS), Jorhat Division on 2nd March' 2019.

The handing over ceremony was graced by Shri Hitendra Nath Goswami, Honourable Speaker Assam Legislative Assembly and Shri Kamakhya Prasad Tasa, MP, Jorhat in presence of senior officials from District Administration, NRL and AUWSSB.

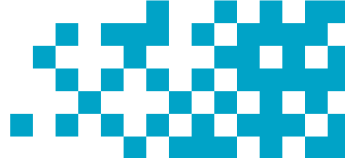


Special Olympics- Young Athlete Program Held

Children between age group 2 to 10 years from Morangi block, Golaghat, for the first time, participated in the **Special Olympics-Young Athlete** program held at Purabangla ME School field on 29.03.2018 in presence of parents and community members. Swabalambi-the community based Social Enterprise organized the program under the NRL –CSR supported Community Based Rehabilitation (CBR) project in collaboration with Special Olympics Bharat Assam Chapter.



Special Olympics Young Athlete is an inclusive sport and play program for children with or without intellectual disabilities. The children develop critical cognitive, social and motor skills and gain self- esteem and self-confidence. The impact is also evident on the family members who gain understanding of intellectual disability of the children which increase their willingness to bring their children with Intellectual disabilities into social settings.



Installation of Drinking Water plant during January 2019

Morangi Dina Nath High School



Rajabari High School



Garmur High School



Numaligarh High School



Bokial High School



Construction of Canopy for tourists at Bagori, Kaziranga



MINISTRY OF PETROLEUM AND NATURAL GAS NEWS

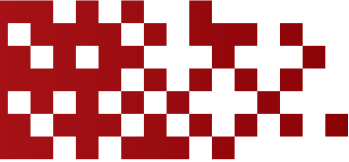
Cabinet approves joining of IEA Bioenergy TCP by Ministry of Petroleum and Natural Gas as a Member

The Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, was apprised about Ministry of Petroleum & Natural Gas, Government of India joining IEA Bioenergy TCP as its 25th member on 25th January, 2019. The other members are Australia, Austria, Belgium, Brazil, Canada, Croatia, Denmark, Estonia, Finland, France, Germany, Ireland, Italy, Japan, the Republic of Korea, the Netherlands, New Zealand, Norway, South Africa, Sweden, Switzerland, the United Kingdom, the United States, and the European Commission.

International Energy Agency's Technology Collaboration Programme on Bioenergy (IEA Bioenergy TCP) is an international platform for co-operation among countries with the aim of improving cooperation and information exchange between countries that have national programmes in bioenergy research, development and deployment.

IEA Bioenergy TCP works under the framework of International Energy Agency (IEA) to which India has "Association" status since 30th March, 2017.

The primary goal of joining IEA Bioenergy TCP by Ministry of Petroleum & Natural Gas (MoP&NG) is to facilitate the market introduction of advanced biofuels with an aim to bring down emissions and reduce crude imports. IEA Bioenergy TCP also provides a platform for international collaboration and information exchange in bioenergy research, technology development, demonstration, and policy analysis with a focus on overcoming the environmental, institutional, technological, social, and market barriers to the near-and long-term deployment of bioenergy technologies.



Chairman conferred the Distinguished Alumnus Award by IIMB



Chairman, Mr. D Rajkumar has been honoured as Distinguished Alumni of IIM - Bangalore in the Alumni Award ceremony held on_ 21/3/19

Our Chairman Mr. D. Rajkumar, has been conferred with the Distinguished Alumnus Award by Indian Institute

of Management (IIM) Bangalore for the year 2019. Professor G. Raghuram, Director, IIM, Bangalore and Mr. Hasmukh Adhia, former Finance Secretary and Revenue Secretary of India, the architect of GST implementation in India, jointly presented the award during the annual convocation ceremony held on 21st March, 2019 at IIM, Bangalore. The award is presented to an alumnus in recognition of outstanding achievement - someone who has been a torch bearer, displayed tremendous fortitude, leadership qualities, positive attitude and compassionate disposition. The parameters included accomplishments leaving lasting influence in their respective professional spheres, challenges overcome, social impact made and display of role model qualities which inspire current students. NRL is fortunate to have such a visionary leader at the helm to guide the company to stellar heights !

MD in News



MD Mr. S K Barua (Centre) was invited as the Chief Guest at the inaugural session of North East Sustainable and Inclusive Development Summit organized by Kaziranga University, Jorhat. The three day summit held from 6th to 8th March 2019 was organized with the theme, "Bio-Economy for Sustainable and Inclusive Development of North-East", in association with CSIR-NISTADS, one of India's renowned policy research institutes.



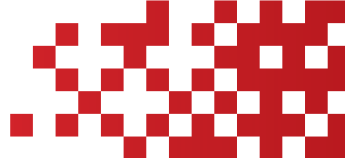
MD addressing the closing function of Silver Jubilee celebrations of Tezpur University on 21st January 2019.

On 19-03-19, CII organized the Annual Planning and Theme Setting meeting in New Delhi with the participation of CII Council and Advisory members from across the country. The new President-elect and Vice President-elect addressed the members and set out the planned theme for next year to be translated into action plan for the coming years.

Corporate Governance was one of the theme for 2019-20. MD NRL and Chairman, CII, NE Council Mr. S.K.Barua was leading the discussion on Corporate Governance.

Photograph shows Mr. S K Barua, making a presentation on the theme.





Team NRL at PETROTECH 2019

NRL at PETROTECH 2019

NRL participated in PETROTECH 2019 - the biggest Oil & Gas exposition in the country held from 10th -12th Feb, 2019 at India Exposition Mart, Greater Noida

Achievements

Following 4 technical papers were selected and poster presentation made from P&U Department at PETROTECH 2019 :

1. "Enhancement in Boiler efficiency and Emissions Reduction by use of Oxygen-Enriched Gas from Nitrogen Plant: Authors:- 1. Manash Kamal Dutta, Dinesh Brahma, Presenter :- Manash Kamal Dutta
2. "Energy Savings & Efficiency Improvement through Innovative & In-house Energy Saving Schemes in NRL Co-Generation Plant" Authors: Avijit Mazumdar, Dinesh Brahma, Bijit Kumar Borah, Manash Kamal Dutta, Bhagaban Ch. Haloi and Chandrabrata Buragohain, Presenter:- Avijit Mazumdar
3. "A New Learning Experience in GTG - Case Study of Blackout Conditions Due to Tripping of GTG and the Necessary Corrective Actions to Prevent the



Team P&U at Petrotech-2019, New Delhi

Reoccurrence" Authors: Amlan Sharma, Bhagaban Ch. Haloi and Dinesh Brahma Presenter:- Bhagaban Ch. Haloi

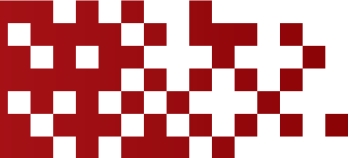
4. "A Study on Effectiveness of a Training Program in Oil PSU by using Jack Philips Return on Investment (ROI) model" Presenter: Gaurab Das

A part from the above, an article titled '**Energy Efficiency Improvement through Innovative & In-house Energy Saving Schemes in NRL Co-Generation Plant**' was published in the January 2019 issue of internationally reputed Journal of Petroleum and Chemical Industry International bearing ISSN: 2639-7536 Overland Park, KS 66221, USA. The article was accepted for the publication after a series of scrutiny, study and reviews by experts. It was studied, compiled and co authored by the four members of our P&U Department. CPP viz. Mr. Bhagaban Chandra Haloi, Mr. Sirajul Mannan Rajbi, Mr. Amarnath Hazarika and Mr. Dinesh Brahma. Further, Mr. Dinesh Brahma was invited by to be a member of 'Petroleum and Chemical Industry International' with benefits ranging from publishing of unlimited articles during the year; appointment as Guest editor for the Journal and session Speaker for their international Conference on Petroleum and Chemical Industry.

Dinesh Brahma bags GMA Managers' Award

Mr. Dinesh Brahma, AM (P&U) has been adjudged the 3rd Best Manager 2018-19 at the 15th GMA Managers' Competition organized by Guwahati Management Association (GMA). The award consisting of a citation and a trophy was presented to Mr. Brahma by Dr. P.K. Bharali, former Director, Oil India Ltd. in presence of Chief Guest Dr. S.P. Singh, Vice Chancellor of Royal Global University; Mr. Subha Brata Sarmah, President GMA; esteemed jury





members and other eminent guests at the award function held on March 29, 2019 in Guwahati.

The award winners were selected amongst nominations received from various organizations including OIL, IOCL,

BCPL, APDCL and other reputed organizations of the North-East and evaluated through a three-tier process comprising of presentation, group discussion and personal interview

Manan wins Championship Title

Master Manan Nath, a student of DPS Numaligarh, Class VII (C), has won the Championship Title in the All India Tennis Association's Championship Series Tennis Tournament held at Karnal, Haryana from 31st December to 4th January'2019. Manan also won the Runners-up title in the U-16 doubles category in the same tournament. He is the son of Mr. Manoj Kumar Nath, Officer (Operations).



QC Lab employees shine in academics and literature

Mr. Pranjal Tamuly, QC Analyst has been awarded the degree of doctor of philosophy (Ph.D.) in Chemistry by Guwahati University for this thesis entitled "Physio-chemical characterisation of the road side and tea garden soil from Bokakhat to Jorhat Assam along the National Highway-37". He carried out his research work under the guidance of Dr. Arundhuti Devi, Associate Professor of IASST Guwahati. He is presently working in the Quality Control Laboratory of the Refinery.



Mr. Subrat Jyoti Borah, QC Analyst has been awarded the degree of doctor of philosophy (Ph.D.) in Chemistry by Guwahati University for this thesis entitled "Synthesis of supported metal nano particles and their electrochemical and catalytic application". He carried out his research work under the guidance of Dr Diganta Kumar Das Department of Chemistry, Guwahati University. He is presently working in the Quality Control Laboratory of the Refinery.

Mr Rajesh Kumar Tanti was awarded 'Xajal Bota 2018' for his collection of poems 'Xeuja Upoitakat Surja Namibo' on 10th March 2019 at Sibsagar Press club. He is presently working as QC Analyst in the Quality Control Laboratory of the Refinery.

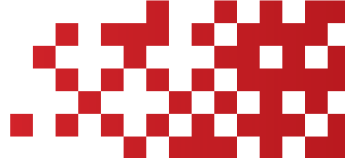


New recruits

SN	Name	Joined as
1.	RAM BILASH DHAKAD	GET(CHEMICAL)
2.	KANGKAN TALUKDAR	GET (IIS)
3.	RUPAM BORAH	GET (IIS)
4.	AJAY PARTAP SINGH	GET
5.	AVINASH KUMAR	GET (ELECTRICAL)
6.	MOUSAM DIHINGIA	GET (INSTRUMENTATION)
7.	MOHD SHARIQ	GET.(CHEMICAL)
8.	MONIKA PATHAK	GET (CHEMICAL)
9.	SWETA MAITRI	GET.(CHEMICAL)
10.	ANSHUMAN SARMAH	GET (MECH)
11.	ABINASH GOHAIN	GET.(CHEM)

SN	Name	Joined as
12.	KANGKAN JYOTI SAIKIA	GET.(INSTR)
13.	BRISHTI SIKHA BATSYA	GET.(CHEM)
14.	ASMITA DUTTA	GET(ELEC)
15.	AMAN DAS	GET(CHEM)
16.	MRIDUL DAS	GET(CHEM)
17.	KESHAB SHARMA	GET(INSTR)
18.	MOSHIRUL HASSAN	GET(ELEC)
19.	ALOK KUMAR	GET(ELEC)
20.	ABINASH GOSWAMI	GET(CHEM)
21.	ARNAV GOSWAMI	GET(MECH)
22.	VISHAL GOSWAMI	GET(CHEM)

Welcome to the NRL family!



Superannuations



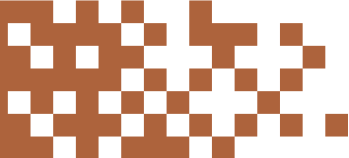
Mr. Aseem Kumar Choudhury, GM (T&E) superannuated from the services of the Company on 31-01-19 after completing a tenure of nearly 25 years in NRL. He started his journey in NRL way back in 1994 and was instrumental in commissioning and operation of all Utility plants and the CPP, construction & commissioning of Marketing Terminal Projects with Special assignments of ODC/ OWC of Refinery during the project stage. During his service he served in various departments like Commercial, Electrical Maintenance, HR-Admin finally superannuated from the Township & Estate department.

Mr. Apurba Kumar Bhattacharya, Sr. CGM (Corporate Affairs) superannuated from the services of the Company on 28-02-19. He started his journey in NRL in 1999 as Co-ordinator (Marketing) and completed a tenure of nearly 2 decades in the Company. Serving in various capacities and functions viz. Marketing, Business Development, Corporate Planning and HR, Mr. A.K. Bhattacharya was instrumental in building the Marketing setup of NRL. A warm send-off was given to Mr. Bhattacharya at a farewell function held at Corporate office, Guwahati on 28-02-19.



Mr. Jatin Goswami, AM(Operations) superannuated from the services of the Company 30-03-19. Having joined the Company in April 1998 as Process Operator, Mr. Goswami spent nearly 21 years in NRL. He worked for 5 years in HCU, 13 years in CDU/VDU and almost 3 years in ASPU units during his tenure in the Company

We wish them all good health and a fulfilling second innings !!



Continued from 58th issue.....

THE STORY OF NRL – XIII

- Dipak Chakravarty
Former MD NRL



This is the 13th in the series of articles chronicling the journey of NRL through the eyes of one of the founder members of NRL family

The Millennium Year 2000 witnessed stabilization of the Refinery and the Marketing Terminal. Declaration of commercial production in October 2000, establishment of marketability and forming the supply and distribution chain for marketing of its products made NRL an Oil Company of repute. NRL had started to generate income from its activities. The quality of products were well accepted in the market. Initially however, there were some concern in the market regarding the colour of Diesel which was much lighter and whitish in colour compared to yellowish colour of Diesel generally available in the market then. In fact some customers opined that NRL Diesel was adulterated as it was white in colour. It needed some effort to educate the Customers and also the dealers regarding the colour of Diesel. The whitish colour, lower density and higher Cetane no. was due to blending of superior quality Gasoil produced in the Hydrocracker as the major component of the Diesel pool. In fact it was superior to the Diesel available in the market at that point in time. Once the market was educated about its superiority, the consumers started preferring to buy only NRL Diesel.

Naphtha despatch also had improved; Marketing of LPG and Kerosene was smooth as those were deficit products in the market and the quality was superior. LPG was initially supplied in bulk to IOCL'S Bottling plants within North East as the NRL Bottling plant was under construction then. Raw Petroleum Coke also found its consumer in the form of India Carbon Ltd. Furnace Oil was marketed only in the nearby tea gardens. The marketing activities, with regular loading and despatch of products helped stabilising the operations of the Marketing Terminal.

At the corporate level, BPCL bought out the shares of IBP Co. Ltd., raising its shareholding to 66%. This made NRL a Subsidiary Company of BPCL. Subsequently, after further reorganisation, BPCL'S share holding became 62%, OIL 26% and Govt. of Assam 12%.

The automatic LPG bottling plant with a capacity of 10 TMT was also completed and commissioned by end of 2000. BPCL and IOC started lifting both domestic and commercial packed LPG from the bottling plant. Marketing of bulk LPG also continued.

It was everyone's aspiration that NRL shall grow as a Company of international repute following international norms and procedures in all its activities. It was then decided to make NRL, an ISO compliant company. Accordingly, I was entrusted with the responsibility to implement the ISO systems. Shri Debashis Choudhury, the then Sr.Manager, (Planning) was given the responsibility of a Co-ordinator. M/S Sigma Consultants, Mumbai, were appointed as the consultant. The exercise started with forming various multi-disciplinary groups for following large no. of protocols, collecting and collating data, Internal Audit groups etc. in mid 2001. Three certifications viz: ISO -9001 for standardisation of Quality Management, 14001 for standardisation of Environmental Management and OHSAS

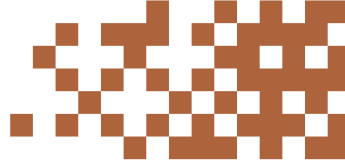
18001 for standardisation of Occupational Health and Safety Management System were targeted. With untiring efforts put in by every one involved, we were able to satisfy DNV (Det Norske Veritas, Norway)- the Accredited Certification Agency. DNV, after in-depth audits approved our systems and granted the certificates for all the three systems in mid 2002. All NRL employees proudly display the same as these are very prized possessions for NRL. The ISO Certification helped in streamlining the systems and procedures in the organisation, in the operating and maintenance areas and safety aspects. NRL became one of the first OIL PSUs to implement ISO systems.



With steady operation of the Refinery and the Marketing Terminal, despatch of solid products was also streamlined. However, due to limited demand of RPC and Sulphur and higher production due to increased capacity utilisation of the Refinery, the stocks of these two solid products were increasing, which became a matter of concern. That resulted in extension of the Coke Yard and the Sulphur Yard to contain increasing volume of Coke and Sulphur. A Sulphur Palletisation Unit also was set up, however the same was not put into operation due to both commercial and technical issues.

The first emission norms for Petrol vehicle were introduced in India in 1991 and for Diesel Vehicles in 1992. Supreme Court of India, in April 1991 ruled that all vehicles in India have to meet EURO- I or India 2000 emission norms by June,1,1999, Euro- II would be mandatory in the National Capital Region and some other cities by April 2000. NRL was not equipped that time with facilities for production of Euro Grade HSD as the product slate was finalised during early 1990s with 2500 ppm Sulphur in Diesel. The new mandate for introduction of Euro II HSD was a challenge for the technical team. As new facilities like DHDS unit was not possible to be implemented, innovative ways and means needed to be developed to achieve the mandated Diesel specifications. After detailed in house analysis it was proposed to operate the Crude Distillation Unit at around 85% capacity or lower. Whereas, Hydrocracker was to be operated at its full capacity to generate high volume of low sulphur Gas oil and Kerosene from Hydrocracker which were to be blended with CDU Gas Oil for producing Euro II HSD.

The lower Crude availability in the North East turned out to be an advantage for operating CDU at lower throughput (around 80%) and Hydrocracker at 100% due to additional VGO generated during commissioning. Under that scenario, problem however was faced with the Delayed Coker Unit as DCU shall always be operated at



100% turn down level as Vacuum Residue (VR) was the feed for DCU. The solution was to operate DCU on a blocked out mode. Which meant increased shut down frequency for DCU while continuously operating CDU and Hydrocracker at 80% and 100% throughput level respectively to generate enough feed for DCU for the next operating cycle. Notwithstanding certain technical and operating issues and higher fuel and loss, the experiment was a success as we were able to supply Euro II HSD as mandated and without any capital expenditure. It also found acceptability in the markets outside Northeast. That helped the technical team to gather confidence to operate the Refinery under such trying circumstances. The team was highly motivated to take up further challenges in future. It may be mentioned here that the licensor for Hydrocracker M/S Chevron and prime Consultant M/S EIL also were taken into confidence on this innovative idea.

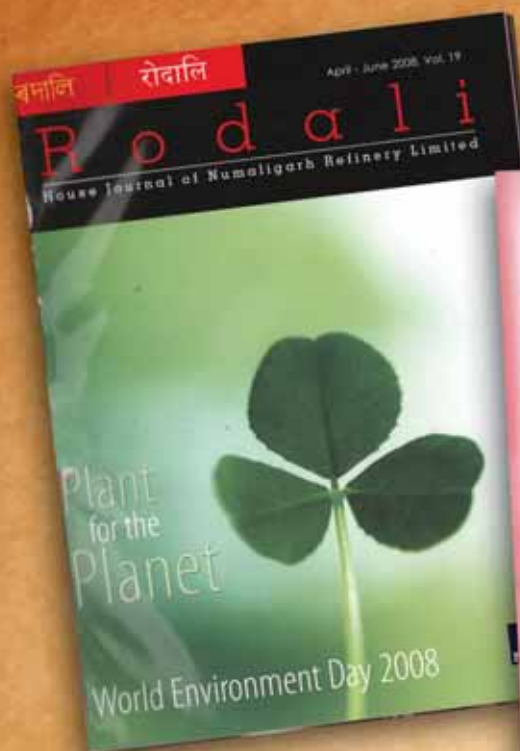
By end 2001, it was time to introduce new products in the Refinery product slate. Brain storming exercises were held to establish an appropriate blend of Hydrocracker and CDU kerosene to qualify it as Aviation Turbine Fuel (ATF). Required equipments and testing facilities also were added to the laboratory. The Product ATF had to pass through stringent approval procedures and protocols of both Director General of Civil Aviation (DGCA) and Centre for Military Airworthiness and Certification (CEMILAC) Authorities. The approval procedures were detail, complicated, needing high accuracy of testing, personnel expertise and Management involvement. It took almost a year to receive required approval from DGCA and CEMILAC for the design blend of ATF components. By end of 2002, NRL was able to supply ATF to both Civil and Military

Aircrafts through supplies at Guwahati and Jorhat Airports. BPCL and Reliance Petroleum were uplifting ATF for marketing.

Thus 2002 was celebrated with introduction of EURO- II HSD and ATF in the product slate. NRL also added two more feathers in the Cap in the same year by commissioning the LPG bottling Plant and obtaining ISO Certifications as mentioned earlier.

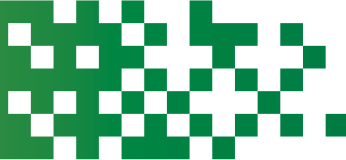
Since the project implementation period, Corporate Social Responsibility (CSR) initiatives were taken even though there were no rules binding on NRL to take up CSR activities. Since NRL was born out of Assam Accord, it was its responsibility to engage itself for economic upliftment of the State, particularly, the neighbouring areas. With limited resources and borrowed funds, small schemes like improvements in nearby schools, drinking water supply etc. were taken up. To encourage local farmers to adopt to Multi Cropping activities, a scheme was implemented during 1998 -1999. The scheme included supply of appropriate seeds, fertiliser, irrigation facilities and technical know- how. Ms. I.K.Barthakur, the then Advisor to the Hon'ble Prime Minister, Dr. Manmohan Singh extended help for procurement of seeds from Hyderabad and was personally involved along with NRL team in guiding and training the farmers. The scheme was a success as it was adopted by many farmers in the neighbourhood and converted large acreage of land to Multi Cropping. Subsequently, CSR activities were taken up in a structured way in terms of identification of projects and benefits, engagement of people, income generation and investment. CSR initiatives will be discussed further in future at an appropriate time.

To be continued...



From the Archives





Five steps to build a solid child education plan

Providing children the ideal opportunity for learning and development is foremost in any parent's goals. Therefore, it is necessary to carefully plan your children's education fund. When your child is ready to go to college, you will be ready with the right amount of money and will not be awed by the high costs of education. Here are some simple steps to take while planning your child's education fund.

Waste no time

Planning for your child's education is a long-term financial goal. The best time to start planning for your child's future needs is when he or she is born. Assuming your child will go to college at the age of 18, you will have nearly two decades to create the right-sized fund for your child's need. The effect of compounded growth will allow you to achieve this goal with small, monthly contributions.

Plan for inflation

With inflation, higher education becomes more expensive each passing year. In 2018, a premier business school raised the fees for its flagship two-year course to Rs 21 lakh. In 2008, the same course cost Rs. 6 lakh. Thus the cost has grown at an average rate of about 13%. Assuming a similar inflation rate, the same course may cost Rs 69 lakh in 2028. While calculating your child's education funding needs, it is important

to assess the future costs of education.

Avoid low returns investments

Children's education is typically a long-term goal, and as seen from the above example, there is high cost inflation here as well. Therefore, you should invest through instruments that provide inflation-beating returns. A long investment tenure allows you to take moderate levels of risk, which can potentially produce high long-term

of 12%, or Rs 15,500 with a returns expectation of 7%. The first option is easier on your pocket.

Start small and step up

It's easy to be daunted by the astronomical money requirements. However, while investing towards any goal, you should implement the concept of stepping up. For example, you earn Rs 50,000 today and save Rs 10,000 per month. Next year, if your income increases by 10% to Rs 55,000,

you should increase your savings by 10% to Rs 11,000. Stepping up your investments each year allows you to start with baby steps when your income is small, to bigger steps as your income grows.

Insure yourself

Life insurance should be seen as a protection cover for your family first, though it is also popularly used as an

investment. In case of your untimely demise, your life cover should help replace your income, keep your family afloat financially, and help your children achieve their life goals. Your life cover should be at least 10-20 times your current annual income. With a term insurance plan, you can achieve this coverage requirement and ensure financial safety for your family even in death.

The writer Adhil Shetty is the CEO of BankBazaar.com and the article was published in the Financial Express.



When your child is ready to go to college, you will be ready with the right amount of money and won't be awed by the high costs of education.

returns.

For example, the 10-year returns on equity mutual funds is 11.80%, well higher than the rate of inflation, as well as returns from small savings schemes such as PPF. With a long-term investment plan through high-reward instruments, you can recover from periodic market fluctuations and emerge with the desired corpus in the optimum time-frame.

So, if you invest for Rs 50 lakh in 15 years, you can invest either Rs 10,000 a month with a returns expectation

Magh Bihu celebrations

Magh Bihu was celebrated on 11th Jan'2019 with fervor and enthusiasm at Kaliyani Club. Kaliyanites enjoyed the evening with scrumptious Assamese Jalpan.

A Bihu Husori team and Bihu singer added flavor to the celebrations.

Farewells

Mrs. & Mr. Aseem Kumar Choudhury

On 31st Jan'2019, Kaliyani Club bid farewell to Mr. Aseem Kumar Choudhury on his superannuation from the services of the company. He was felicitated with a memento and conferred 'Lifetime Membership' of Kaliyani

Club. To mark the occasion, a drama titled '*Ako Charandas* by *Abhinawar Gosthi* was staged which was thoroughly enjoyed by everyone. The evening concluded with dinner.



Mrs. & Mr. Apurba Kumar Bhattacharya

On 25th Feb 2019, Kaliyani Club gave a warm send off to Mr. Apurba Kumar Bhattacharya on his superannuation from the services of the company. He was felicitated with a memento and conferred 'Lifetime Membership' of Kaliyani Club. A cultural program was arranged on the occasion

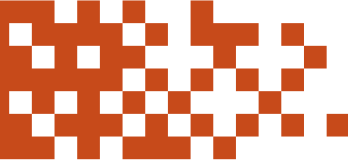
where noted artist Dipak Sarma mesmerized the audience with his flute recital. Mrs Mini Bhattacharya, who herself is a noted singer of Goalpariya Lokageet, also performed a few numbers on request from members. The evening concluded with dinner.



Mrs. & Mr. Jatin Goswami

Kaliyani Club extended a warm farewell to Mr. Jatin Goswami on 27th of March 2019 on his superannuation. A cultural program was arranged in his honor performed by noted singers Rajashree Choudhury & Kumar Dhiraj. He was felicitated with a memento and conferred "Lifetime Membership" of Kaliyani Club. The evening concluded with dinner.





Tennis Ball Cricket Tournament

Kaliyani Club tennis ball cricket tournament (Night) was held from 3-6 Feb'2019 at the mini playground under flood lights. Almost 60 employees across four teams played in the league matches and displayed their cricketing skills to the delight of cheering crowds. The grand finale was played on 6th Feb'2019 between team BLAZING BLASTERS led by Mr. Pantha Gaurab Borah and team RUTHLESS STRIKERS led by Mr. Raju Chetia. In the exciting final, BLAZING BLASTERS won by 8 wickets with 3 overs to spare. Mr. Lakhim Gogoi who claimed 5 wickets was adjudged Man of the Match.

Man of the Series	:	Mr. Prabhas Pratim Bharali
Best Batsmen	:	Mr. Siddhartha Pratim Dutta
Best Bowler	:	Mr. Lakhim Gogoi
Best Fielder	:	Mr. Bibhuti Deka

Live commentary by Mr. Samrat Majhi & Mr. Javed Mohammad made the event even more entertaining



Wives' Nite 2019

The Husbands' Fraternity of Kaliyani Club hosted 'Apahnava - The Wives' Nite 2019 on 15th of February 2019. The ladies were welcomed with a red rose, signifying love from the husband fraternity along with a gift pouch consisting of Assamese traditional jewellery. The

ladies were entertained with fun, food and scintillating performance of Dance and Jikir by the jubilant husbands. The program ended with musical extravaganza by popular Assamese singer Rakesh Riyan followed by scrumptious dinner.



Holi celebrations

Holi- the festival of colours was celebrated by Kalyanites with much fanfare on 21st March 2019 at mini playground. Members extended Holi greetings to each other and played with a variety of colours arranged by Kaliyani Club. Special Holi snacks and drinks were served on the occasion whilst a DJ enthralled everyone with Holi numbers.



12th Kaliyani Open 2019 All Assam Junior Ranking Tennis Championship

The much awaited Kaliyani Open Tennis Championship under the aegis of All Assam Tennis Association was held from 24th to 27th March 2019 at Kaliyani Club premises, with great zeal and excitement. Director (Finance) Mr. Indranil Mittra inaugurated the event and addressed the esteemed gathering emphasising on the importance of sports in a child's life.

Altogether six events were played in the tournament. Under boys and Girls (Mixed) Singles, Under 12, 14 and 18 Boys' Singles and Under 14 and 18 Girls' Singles.

Ritik Rout, Antariksh Tamuli, Manan Nath and Shahir Farnaz clinches the title Under boys and Girls (Mix) Singles, Under 12, 14 and 18 Boys' Singles respectively. In the Girls' category Tania Kumari and Tanishqa Patar emerge winner in the under 14 and 18 Girls' Singles respectively.

The tournament concluded with the prize distribution ceremony. Prizes were distributed by Kaliyani Club President Mr Debashish Choudhury, Tournament Convenor Mr. Sobhan Konwar and Kaliyani Club General Secretary Mr Abhijit Bordoloi in presence of Organising Secretary Mr Bhupen Bora and other committee members.



Club members celebrate NRL Expansion approval

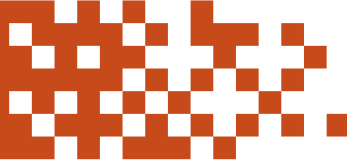


A festive atmosphere was prevalent amongst all employees ever since the news of NRL's Capacity Expansion clearance from 3 MMTA to 9 MMTA by the Cabinet Committee of Economic affairs came out on 16th January 2019. In line with the joyous mood and to further motivate the members, Kaliyani Club arranged a musical evening with gala dinner on 18th January 2019.

Get-together with Mr. Surya Das

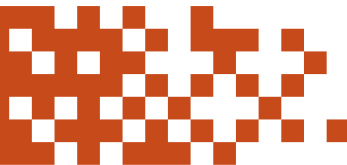


Kaliyani Club felicitated noted Assamese Singer & Lyricist Sri Surjya Das on 19th Jan 2019 during his visit to NRL Township. The veteran artist was duly honored by club members with the traditional *Phulam Gamocha* and *Xorai*.



Flower show

Numali Club in Association with T&I department and Kaliyani Club organized 'The Flower Show' on 3rd February 2019. Held for the first time in the verdant surroundings of the butterfly park, the event drew wide spread participation from the denizens of the Township.



Farewell to Mr Aseem Kr. Choudhury

Bhogali Bihu celebrated with fervour

Bhogali Bihu, the joyous harvest festival of Assam was celebrated on 15th Jan 2019 at the Club premises, with the traditional *Meji Prajwalan* followed by serving of Assamese delicacies amongst members.



Silpi Divas observed

Rangchali Club observed Silpi Divas on 17th Jan 2019 in the club premises commemorating the State's Cultural Icon Rupkonwar Jyoti Prasad Agarwala. The Club felicitated Assamese cultural icon Shri Surja Das on this occasion.



A warm and befitting farewell was accorded to Mr Aseem Kr. Choudhury, GM (Township and Estate) by Rangchali Club on 25th January 2019 in the club premises upon his superannuation from the company on 31st January 2019.



Anwasha Book fair and Kavi Sanmilan gets underway

Rangchali Club organised a book fair from 6th to 8th February 2019 in association with Anwasha- a voluntary





organisation promoting the reading habit among young people in the State. A Kavi Sanmilan was also arranged on this occasion. Many renowned poets from various parts of Assam participated in the Sanmilan. Various competitions like cross word, Sudoku and open quiz were organised among Club members and families.

Saraswati puja celebration

Club members paid obeisance to the Goddess of learning on the occasion of Saraswati Puja on 10th February 2019. The festive spirit was evident in the Club since morning as students and members thronged in to seek the blessings of the Goddess. Members and their families took part in the rituals including *Puspanjali*, *Prasad* and *Bhog* distribution.

Seven-a-side Day & Night tennis ball cricket tournament held

The Club organised seven-a-side tennis ball cricket tournament among its members from 20th to 24th February 2019 at the NRL main playground. Many teams joined in this tournament, making it a grand success.



Tribute to brave Indian Soldiers

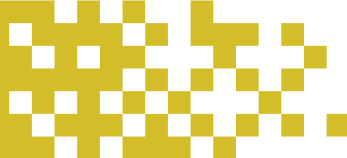
On 22th February 2019, Rangchali Club paid tribute to the brave Indian soldiers killed in the Pulwama attack with a *bonti prajwalan*.



Rongali Bihu workshop organised

Rangchali club organised a Rongali Bihu workshop from 30th to 6th April 2019 in the club premises. The workshop was conducted by well-known choreographer Shri Santumoni Sarma and his group. The workshop was well attended by a large number of children and ladies.





Motivational Lecture –A Venture By Red Horn Division



A presentation about entry to the Defense Forces was conducted by Lieutenant Prasant Deothar, an officer of 3 Sikh regiment for the students of Classes IX and XI of DPS Numaligarh on 21st January 2019.

Session on Creative Teaching and Learning Strategies

A session on Creative Teaching and Learning Strategies was organized at DPS Numaligarh on 31st January 2019 by eminent resource person Ms Jayanti Dasgupta .It basically focused on the systematic approaches to the development of creativity amongst students. It also highlighted the basic difference between the school based curriculum versus the Project based learning with 21st century skills.

Trip to Hyderabad

Delhi Public School, Numaligarh organized an excursion to Hyderabad – the City of Pearls and the city of Nawabs from 1st to 4th February 2019 for the students of Classes VIII and IX. The educational tour team consisted of 27 students accompanied by Mr. Mathew Joseph and Mrs. Kalpana



Bharali. The tour enabled the students to explore Ramoji Film City, historical monuments such as Golconda Fort, Charminar, and Nizam Palace, amusement parks -Laser Show at Lumbini Park, holy places like Birla Temple and Salar Jung Museum.

Visit to Jorhat Planetarium



To enlighten the students of Class IV on concepts related to the solar system, a field trip was organized to the Jorhat Planetarium on 2nd February 2019. A show on Cosmos was shown to the students focused on constellations and our universe. Scientific experiments were also demonstrated to the students by the resource guide.

Upper Kindergarten Graduation Ceremony

Delhi Public School, Numaligarh celebrated its Upper Kindergarten Graduation Ceremony on 16th March 2019

with a lot of exuberance and ardour. Mrs Namita Bora (Senior Mistress, Junior Wing) addressed the gathering and accorded a warm welcome to all the parents. The glittering programme was conducted by the pre primary students. The programme included choirs, fancy dress representing various states, dance and action song. The students entertained their parents with thank you songs, a good bye song and danced to the tune of a highly coordinated happy song. The students rendered melodious songs like, 'The Future Is Looking Good To Me' and 'It's a Beautiful Day' which enthralled the audience. It rose to a final crescendo with the little angels receiving their graduation certificates adorned in convocation caps and gowns. Their smiling faces were welcomed by rapturous applause from the audience.



Annual Prize Distribution Day

The Annual Prize Distribution function for the session 2018-2019 was organized at the Junior Wing on 23rd March, 2019 with great gusto and vehemence. The excellence achieved by the determined and committed students in various spheres was celebrated and given due recognition. The achievers were awarded with certificates and mementoes. The students of Class III presented an English group recitation and a *Saraswati Vandana*.





Juvenile delinquency and role of moral education: A review

Mrs. Smita Rajguru

Social Worker, VKNRL Hospital

"It is easier to build strong children than to repair a broken man"

-Frederick Douglas

Juvenile delinquency is one of the major and serious social issues affecting the present day society as a whole. The term 'juvenile' depicts a child or a young person who is not yet old enough to be called an adult i.e., below the age of 18 years. On the other hand, juvenile delinquency is referred to the participation of the aforesaid minors in different illegal activities, mischievousness or disobedience, so as to be considered out of parental control, becoming subject to legal action by the court system. Children are always the future prospective of a healthy nation and hence, they deserve best care and compassion. When a child pretend to be an adult and behave accordingly to meet their desired goal, they eventually turn out to be an individual who is a delinquent. But unfortunately, the changes and the affect they creates in the society during the entire procedure is unknown to them as they are not matured enough to understand any kind of societal circumstances.

Many theorists have attempted to explain delinquency and examined various social factors or units within the society. Such factors could be divided into two major categories:

1. **Situational factors:** These factors may be categorized into family, companion or peer group, work environment, school atmosphere, movies etc.
2. **Individual factors:** It has various attributes of personality such as hostility, lack of moral education, defiance, impulsiveness etc.

Many other factors are also directly or indirectly found to have been playing a crucial role in the growth of juvenile crime. They may be industrialization, adoption of western culture, individualistic views, addiction to drugs and narcotics, broken home or divorced parents, access to adult movies and pornography etc.

From my last five years of experience of working in the community sectors, I have observed that there are various aspects responsible for such deviant behaviour of children. They are:

1. Functional change of the socializing agencies
2. Lack of moral education
3. Materialistic outlook
4. Tendency of attraction towards modern culture and life style
5. Negligence towards traditional cultural values

Methods for treating juvenile delinquency

Psychologists and social workers in general use certain methods for treating juvenile delinquency. They are mentioned as under:

- i. **Psychotherapy:** This therapy deals with the emotional and personality problems via psychological means i.e., changing the attitude and feelings for a better society.
- ii. **Reality therapy:** This particular therapy is mainly concerned with the present behaviour of the juvenile under observation which has been meant specifically for fulfilling their basic needs to lead a healthy life with responsibility.
- iii. **Active therapy:** This method of treating delinquency is believed to provide an unique environment to the person under observation so that they could discuss their problems and emotional concerns with a group of people similar to their age.
- iv. **Environment therapy:** This therapy deals with creating an environment in order to facilitate meaningful change.
- v. **Behaviour therapy:** Here, an attempt is generally made to change behaviour through positive enforcement.

Role of moral education to prevent juvenile delinquency

Moral aspects of education are emphasized in the general school program chiefly through the traditional use of social studies to present model figures of the past, through citizenship courses and hygiene classes, and through athletics for cultivation of good sportsmanship and the team spirit. Inculcation of proper attitude towards work, cooperation with others, doing one's duty, etc., are presumably inherent at every level of the school program, but the junior high school period is considered a prime time for special efforts in that direction.

Exploitation of the youth market, flagrant emphasis on sex and violence in mass media, secularization of family and school life, pressure put on children to score good, grades parental neglect and permissive child-rearing practices have received shares of the blame. It has been mostly predicted that children of the middle class on one hand are spoiled by over-indulgence by family depending on the welfare checks to ignore the value of a job as a means of satisfying their wants.



Many thinkers across the globe considered 'family' to play ground breaking role in preventing juvenile crime. A normal family may be described as the family that is structurally complete, functionally adequate, economically secured and morally strong. Both family and moral education have one purpose in common, that is, the proper socialization of the youth. According to Glueck (1967), family is the key social institution that nurtures socialization of young children. Relationship between delinquency and family life is critical in the present day scenario because of the rapid changes taking place in the traditional families. Child-rearing is mostly done nowadays through nannies, baby-sitters and day care providers. Besides, many families are still adapting and functioning genuinely as healthy and caring units. But, some families are often noticed to crumble under chaotic stress destroying the present and future generations. Although family members are unable to control every aspects but can have a significant impact on shaping the extent to which

children are mostly being exposed to foreign agents of socialization. This is because a child is initially socialized at home and gets to learn belief, values and behaviour from the parents and other family members. Hence, any anomaly in the family structure could be enough to create a negative impact on a child.

Based on the above facts, it could be well ascertained that knowing the importance of family and school in the proper development of a child, their roles places great responsibility. Moreover, due to the significant correlation between these two social units with that of juvenile delinquency, both the units must be more proactive to prevent aggressive, antisocial behaviour from escalating into criminal mindset. It is well known to us that today's children are going to be the leaders of the society in the near future and hence, society must instill in them the upstanding values of character which could help them succeed in smooth transition to adulthood.

Picture Speak



Awareness & Screening Camp on Cervical & Breast Cancer organised on 25th March, 2019 at Baraikhowa



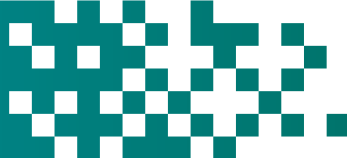
Celebration of National Youth Day on 12th January 2019



Celebration of Republic day



Observance of International Women's Day at Aamar Ghar Oldage Home, Golaghat on 8th march 2019



Hon'ble PM Dedicates BPCL's Integrated Refinery Expansion Complex and Lays the Foundation Stone of Petrochemical Complex at Kochi Refinery

On 27th January 2019, Hon'ble Prime Minister Shri Narendra Modi dedicated BPCL's Integrated Refinery Expansion Complex to the nation and also laid the foundation stone of the Petrochemical Complex at Kochi Refinery. This marks the successful culmination of the IREP conceptualized to transform Kochi Refinery into a 'world class' Refinery with the largest refining capacity among Public Sector refineries and the foray into the next stage of development of petrochemicals.

Hon'ble Prime Minister did the honours in the distinguished presence of the Governor of Kerala, Justice P Sathasivam, Chief Minister of Kerala, Shri Pinarayi Vijayan, Union Minister for Petroleum & Natural Gas and Minister for Skill Development & Entrepreneurship, Shri Dharmendra Pradhan, Union Minister for Tourism, Shri Alphons Kannanthanam, Members of Parliament Prof K V Thomas and Prof Richard Hay and MLA, Shri VP Sajeendran at a grand ceremony in Kochi.

The Prime Minister first visited the most modern, state-of-the-art Main Control Room of BPCL Kochi Refinery where he was received by Secretary MOP&NG, Dr. M. M. Kutty, BPCL C&MD, Shri D. Rajkumar and ED I/c KR, Shri Prasad K Panicker. A royal welcome was accorded, with traditional drums and rapturous applause of the 5000 plus audience.

CRDC Wins Best Innovation in R&D Award



Corporate Research & Development Centre (CRDC) developed an indigenous cost effective dewaxing catalyst viz. BHARAT-HiCAT at 1/5th the cost of the commercial catalyst in 2016. The success of the commercial trials has

helped BPCL to become the third company in the world to develop such niche catalyst technology under the 'Made in India' campaign. This development was recognized at the national level and bagged the prestigious 'Best Innovation in R&D' Award instituted by MoPN&G. The Award was conferred by Secretary, MoP&NG on 12th January, 2019 during the 23rd Refinery and Petrochemicals Technology Meet at Mumbai.

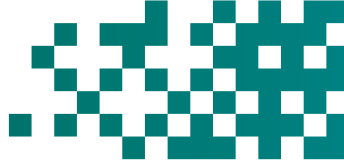
LPG Marketing Receives OISD Safety Award Again



LPG SBU has been conferred with the OISD safety award under the category of 'LPG Marketing Organizations' for the 9th consecutive time. OISD adjudged BPCL LPG SBU as the Winner amongst all the Oil Marketing Companies for Best Safety Performance during the year 2017-18. On 12th January 2019, Dr. M.M. Kutty, Secretary, Ministry of Petroleum & Natural Gas presented the award to Mr. Arun Kumar Singh, Director (Marketing) and Mr. I.S. Rao, ED (LPG) in the august presence of Mr. Anil Kakodkar, Chairman, Scientific Advisory Committee on Hydrocarbons, MOP&NG, Mr. V.J Rao, ED OISD, Mr. D. Rajkumar, BPCL C&MD, Mr. Sanjiv Singh, C&MD IOCL, Mr. M.K. Surana, C&MD, HPCL and many esteemed dignitaries from the Industry.

BPCL Honoured with the Golden Peacock Award for CSR





On 17th January 2019, BPCL was conferred with the coveted Golden Peacock Award for Corporate Social Responsibility 2018 for its initiative, 'Solid Waste Management Project in 3 Municipalities in Chennai'. The Awards Jury consisted of eminent members from society including Chairman - Justice Kurian Joseph, former Judge, Supreme Court of India.

Hon'ble Prime Minister laid the Foundation Stone for Krishnapatnam Coastal Installation



On 10th February 2019, Hon'ble Prime Minister laid the Foundation Stone for BPCL Krishnapatnam Coastal Installation in the presence of Shri ESL Narasimhan, Hon'ble Governor of AP & TS and Shri Suresh Prabhu, Hon'ble Minister of Commerce & Industry and Civil Aviation. The state-of-the-art installation with tankage of 1 MMTPA will be laid out in an area of 100 acres with facilities for MS & HSD. The project will be completed by November 2020 at a cost of Rs. 580 Crores. It would serve the needs of Nellore, Kadapa & other adjacent districts in AP and would also help in ensuring product security at BPCL rail fed Depots in AP & TS. KCI will have ocean tanker receipt facilities at rate of 1500 MT/ Hr and 8 bay tank lorry gantry with environment friendly bottom loading facility.

Corporate HSSE Receives Governance Award



Corporate HSSE has received the Corporate Governance Award from Indian Chamber of Commerce in recognition of the excellent performance demonstrated in the area of Corporate Governance & Sustainable Development and for nurturing innovation. These Awards reward companies that have taken positive steps to manage and measure their economic, environmental and social impacts and performance, and have integrated sustainability into their core business models. On 21.2.2019, the award was presented by Mr. Anil Swarup, Former Secretary, Department of Education and Literacy, Ministry of HRD.

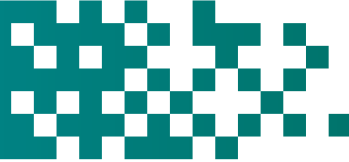
BPCL Achieves Crude Oil Supplies From all the Continents

On 22nd February, 2019 when International Trade Department concluded the deal for import of Sapinhoa crude oil from Brazil (Latin America), BPCL achieved a unique milestone of procurement of crude oil from all six continents (i.e. Asia, Africa, Australia, Europe, North America and South America) and became part of a select group of Asian Refiners.

Hon'ble Prime Minister Dedicates Ennore Coastal Installation to the Nation

On 10th February, 2019 Hon'ble Prime Minister, Shri Narendra Modi dedicated BPCL's Ennore Coastal Installation project to the nation in the presence of Tamil Nadu Governor, Shri Banwarilal Purohit, Chief Minister Shri K. Palaniswami and Deputy Chief Minister, Shri O. Panneerselvam at Tiruppur. Ennore Coastal Installation is a state-of-the-art world class oil installation with fully automated storage and distribution facilities, spread over 100 acres of land. The project has been completed in less than two & half years at a cost of Rs. 393 Crores. The combined Storage Capacity is 1.17 Lakh Kls of MS & HSD to cater to the needs of Chennai and surrounding districts of Tamil Nadu and Union Territory of Pudhucherry. This installation complies with all the latest international safety standards and is fully under CCTV surveillance 24x7. It is designed to be environment friendly by having floating roof tanks and bottom loading facility with





vapor recovery system. It also takes care of the environment by maintaining a green cover of 30% of the total area. Product will be received through ocean tankers and despatched by tank lorries.

BPCL Bags Best Performing SLC Award: SAKSHAM 2018

Every year, National Level Essay, Painting & Quiz competitions are conducted by PCRA attracting massive participation with the objective of inculcating a sense of responsibility in young minds towards petroleum conservation. This year more than 82 lakh students participated in the country, out of which Maharashtra State set an all-time record of enrolling 15.35 lakh students against the target of 12.67 lakhs. In recognition of the above, SLC Maharashtra has been awarded the All India First prize for 'Best Performance Award in National Level Competitions for SAKSHAM 2018'. The Award was presented by Shri Ashutosh Jindal, Joint Secretary (Marketing), MOP&NG.

Bharat Petroleum Glitters with ABCI Gold Award !



Once again, Bharat Petroleum glowed with the glitter of success as it walked away with two prestigious Awards at the Annual ABCI (Association of Business Communicators of India) Awards Nite held at the Hotel Vivanta by Taj on 18th January, 2019. BPCL received the Gold Award for the Corporate Website and the Silver Award for the Wallpaper.

BPCL Conferred with CII 'Prize for Leadership in HR Excellence Award

Confederation of Indian Industry (CII) conferred the 'Prize for Leadership in HR Excellence' Award on BPCL for the year 2018-19. The CII Award is considered to be the highest

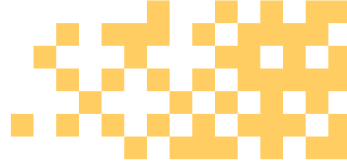


standard for HR Excellence owing to its robust model and rigorous assessment process. The model assesses companies across various dimensions of leadership, HR strategy, people's well-being & employee engagement, learning & development, human resources management processes/practices and results (perception measures & performance indicators). BPCL Director (HR), Mr. K. Padmakar and his team received the award from Mr. Adi Godrej, Past President, CII and Chairman, Godrej Group.

Hon'ble Prime Minister Lays the Foundation Stone of Kalaburagi Depot



Hon'ble Prime Minister of India, Shri Narendra Modi laid the foundation stone of BPCL's upcoming MS/HSD Storage depot at Kalaburagi (Gulbarga) on 6th March, 2019. Also gracing the occasion were Governor of Karnataka, His Excellency Vajubhai Vala, Union Minister of Statistics and Programme Implementation, Shri D.V. Sadananda Gowda, Leader of Opposition in Karnataka Assembly, Shri B.S. Yeddyurappa along with local MPs, MLCs and MLAs. Strategically located with sufficient industrial land, the Gulbarga depot will feed Bidar, Gulbarga, Raichur and Yadgir markets. A ready railway siding is available at the site for faster commissioning.



Foundation Day Celebrations

Brahmaputra Cracker & Polymer Ltd. (BCPL) celebrated its 12th Foundation Day on 10th January 2019 at BCPL Township. The Foundation Day celebration commenced with ceremonial cake cutting on 8th January 2019 and was celebrated in a grand manner with a cultural evening BCPL Township premises. Shri B.C. Tripathi, CMD, GAIL (India) Limited and Chairman, BCPL was Chief Guest of the event. Board members of the company including Shri S.K. Barua, Managing Director, NRL were present on the occasion.



Observance of National Safety Week



International Women's Day

Ms. Subashini Sankaran, IPS, Superintendent of Police, Dibrugarh District interacting with BCPL employees on the occasion of International Women's Day 2019 at BCPL Lepetkata.



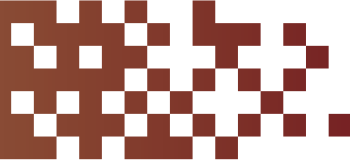
Awards



BCPL was recognized as Economic Times best Plastic and Polymer brands 2019. The award was presented on 12th February 2019 at Mumbai and received by Shri Alak Baruah, General Manager (Marketing) on behalf of the company.



BCPL won HR Talent Management Leadership Award for 'Training and Development' presented by World HRD Congress on 16th February'2019 at Mumbai.



वित्तीय वर्ष 2018-19 के दौरान राजभाषा हिंदी के प्रगामी प्रयोग के लिए किए गए विशेष प्रयास

1. नुमालीगढ़ रिफाइनरी लिमिटेड को वर्ष 2017-18 के दौरान भारत सरकार की राजभाषा नीति के उत्कृष्ट कार्यान्वयन हेतु नगर राजभाषा कार्यान्वयन समिति (उपक्रम) द्वारा प्रायोजित प्रशस्ति पत्र प्राप्त हुआ।



2. वर्ष 2018 का प्रकाशित एनआरएल की वार्षिक हिंदी पत्रिका 'प्रयास' को नराकास (उपक्रम) सदस्य कार्यालयों के बीच आयोजित प्रतियोगिता में प्रथम पुरस्कार प्राप्त हुआ। उक्त पुरस्कार दिनांक 14 दिसम्बर, 2018 को आयोजित नराकास बैठक के दौरान प्रदान किया गया।
3. राजभाषा अधिनियम की धारा 3(3) का अनुपालन किया जा रहा है। हिंदी में प्राप्त पत्रों के उत्तर केवल हिंदी में दिए जाते हैं।
4. हिंदी में काम करने वाले कर्मचारियों को प्रोत्साहन योजना के तहत आकर्षक पुरस्कार देने का प्रावधान है। अप्रैल 2018 से मार्च, 2019 तक के दौरान कर्मचारियों को ₹0 3,64,250.00 केवल नकद पुरस्कार के रूप में दिया गया।
5. कंपनी में कार्यरत 208 कर्मचारियों को हिंदी का कार्यसाधक ज्ञान प्राप्त है। शेष कर्मचारियों को हिंदी का अनिवार्य प्रशिक्षण चरणबद्ध रूप में दिया जा रहा है। सभी कम्प्यूटरों में हिंदी में काम करने की सुविधा उपलब्ध हैं।
6. राजभाषा कार्यान्वयन समिति की बैठक नियमित रूप से हो रही है और कार्यवृत्त हिंदी और अंग्रेजी में जारी किया जाता है। उक्त बैठक में

वार्षिक कार्यक्रम पर चर्चा के साथ-साथ तिमाही रिपोर्ट की समीक्षा की जाती है।

7. हिंदी अनुभाग द्वारा 'आज का विचार' और 'तकनीकी शब्द' तैयार कर प्रतिदिन समस्त कर्मचारियों को ई-मेल के माध्यम से भेजा जा रहा है।
8. 'आज का विचार' को संकलित कर एक पुस्तिका प्रकाशित की गई है।
9. प्रत्येक बुधवार को हिंदी दिवस मनाया जाता है और कंपनी के समस्त कर्मचारियों को उक्त दिन में अपना समस्त कार्य हिंदी में करने के लिए ई-मेल द्वारा स्मरण कराया जाता है।
10. हिंदी के प्रगामी प्रयोग से संबंधित तिमाही प्रगति रिपोर्ट को प्रस्तुत कर सर्वसंबंधित को समय पर भेजा जा रहा है। और उक्त रिपोर्ट क्षेत्रीय कार्यान्वयन कार्यालय (पूर्वोत्तर क्षेत्र) को ऑनलाईन भेजा जा रहा है।
11. वित्तीय वर्ष 2018-19 के दौरान 4 (चार) हिंदी कार्यशालाओं का आयोजन किया गया जिसमें 76 कर्मचारियों ने भाग लिये।



12. एन.आर.एल नुमालीगढ़ में पूर्व की तरह दिनांक 14.09.2018 से दिनांक 20.09.2018 तक हिंदी सप्ताह का आयोजन हर्षोल्लाह के साथ मनाया गया और इस अवसर पर कर्मचारियों और उनके परिजनों, सी.आई.एस.एफ के जवानों और स्कूल के विद्यार्थियों के लिए विभिन्न हिंदी प्रतियोगिताओं का आयोजन किया गया और विजेता प्रतिभागियों को दिनांक 20.09.2018 को आयोजित समापन समारोह के दौरान पुरस्कार प्रदान किया गया।
13. कार्यालय के वेबसाइट पर उपलब्ध सामग्री को हिंदी में अनुवाद कर नियमित रूप से आपलोड किया जा रहा है।

वसीयत

अंशु कुमार

मर्सडीज कार बिकाउ है, मात्र एक हजार रुपये में। राय साहब 'प्रभात खबर' समाचार पत्र में यह विज्ञापन देखकर चकित हो गए। मन में अनायास ही गाड़ी खरीदने की इच्छा जागृत हो उठी। नहीं चाहते हुए भी उस विज्ञापन में छपे गाड़ी को लेने के लिए उन्हें बैचेनी होने लगी। अखबार में लिखे पते पर सुबह-सुबह ही पहुँचकर उस बंगले की बेल बजायी। जवाब में एक अधेड़ महिला, सेठ समीरचंद की पत्नी ने दरवाजा खोला।

राय साहब : मैंने अखबार में विज्ञापन पढ़ा कि आप गाड़ी बेच रही हैं ?

महिला : जी हाँ।

राय साहब : मैं गाड़ी देख सकता हूँ ?

महिला बोली : शौक से, आईये।

महिला ने अपने नौकर दीनानाथ को बुलाकर गैराज खुलवाया। राय साहब

महिला के पीछे पीछे गैराज की ओर उत्सुकतावश चल दिए। चेहरे पर आश्चर्य का भाव साफ झलक रहा था। राय साहब ने बड़े गौर से गाड़ी को देखा तो उनकी आँखें फटी की फटी रह गयी।

राय साहब : ये तो नई है।

महिला : एकदम तो नहीं है, एक हजार किलोमीटर चल चुकी है।

राय साहब : लेकिन न्यूज पेपर में तो इसकी कीमत एक हजार रुपये लिखी है ?

महिला : सही छपा है। एक हजार रुपये की ही है। आप एक हजार रुपये दीजिये और गाड़ी ले जाइए।

राय साहब ने कांपते हाथों से एक हजार रुपये निकाल कर उस महिला को

दे दिए। महिला ने रुपये लेकर फौरन रसीद बना दी। गाड़ी के सभी कागजात एवं चाभी राय साहब को देते हुए बोली- अब यह गाड़ी आपकी है, आप इसे ले जा सकते हैं। राय साहब का धैर्य जवाब दे चुका था। राय साहब रसीद, गाड़ी की चाभी एवं कागजात लेकर बोले- बहन जी, अब ये बता दीजिए कि मामला क्या है ? आप गाड़ी कौड़ियों के दाम क्यों बेच रही हैं ? मैं सस्पेंस से मरा जा रहा हूँ।

महिला बोला : कोई सस्पेंस नहीं है, भाई साहब। मैं तो अपने स्वर्गीय पति समीरचंद जी की इच्छा पूरी कर रही हूँ। वो अपनी वसीयत में लिख गए थे कि, उनके मरने के बाद ये गाड़ी बेच दी जाए और मिला हुआ सारा पैसा उनकी सेक्रेटरी छपरिया को दे दिया जाए।

ज़िन्दगी



सवर्णा ऋतु बरपूजारी

ऐ वक्त जरा पलट के तो देख

बचपन की उन यादों को

जी लेने दे उन खूबसूरत पलों को

फिर से एकबार ज़िन्दगी के उन लम्हों को।।

वह ज़िन्दगी जिसमें कभी न थी कोई उलझन

माँ की आँचल और पिता की छाँव में हरपल
था सुकून

रिश्तों में थी न कभी कोई खटास

प्यार ही प्यार था हर वक्त का एहसास।।

विश्वास की डोरी से बंधे हुए ये हर एक दोस्त
कभी न टूटनेवाली जैसी मजबूत।

पर अब खो चुकी हैं वह धागा

चारो तरफ है बस बनावट की हवा।।

ऐ ज़िन्दगी लौटा दे उन पलों को फिर से एकबार

सबको है जिसका बेसब्री से इंतज़ार।

थामने दे फिर से खुशियों का दामन

भरने दे आसमान पे एक खुला उड़ान।।

देश मेरा

अनुप कुमार शर्मा

पल पल मन में रहता है ये आशा,
सबसे सुंदर तथा महान बने देश हमारा,
उम्मीदों से आगे आशाओं से परे,
सारे जहाँ से अच्छा ये देश मेरा।

कठिनाई पर्वत की ऊँचाई सी,
बाधाएं सागर की गहराई सी,

फिर भी सभी बाधाएं पार करके,
सूरज सा चमका ये देश मेरा।

परिवर्तन के इस युग में,
सामाजिक असहिष्णुता के इस दौर में,
सबके मन और मान्यताओं को लेकर,
सबसे आगे रहे ये देश मेरा।

हजारों सालों की ये गौरव गाथा,
करोड़ों हृदय की ये आत्म कथा,
कायम रहेगी हमेशा देश की एकता,
सारे जहाँ से अँछा ये देश हमारा।।

Assamese Section

নুমলীগড় শোখনাগাৰ শাখা সাহিত্য সভাৰ ইটো সিটো

১৭-০১-১৯: শাখাৰ দ্বাৰা অনাড়ম্বৰভাৱে উদ্‌যাপিত শিল্পী দিৱসত জ্যোতি প্ৰসাদ আগৰৱালা দেৱৰ প্ৰতিমূৰ্তিত গণশিল্পী সূৰ্য্য দাসদেৱৰ দ্বাৰা বস্তু প্ৰজ্ঞালন কৰাই স্মৰণ কৰা হয়। তাৰ পাছতে বাংলালী ক্লাবৰ শিল্পী দিৱস অনুষ্ঠানত অংশগ্ৰহণ কৰা হয়।

১৮-০১-১৯: স্থানীয় সমাজকৰ্মী তথা সাংবাদিক, প্ৰিয়াংদীপ কাকতিৰ দ্বাৰা নিৰ্মিত গৃহ সঁজাল কুটিবৰ দ্বাৰা উন্মোচন কৰে সূৰ্য্য দাস দেৱে। অনুষ্ঠানত উপস্থিত থাকে শাখাৰ সভাপতি, উপদেষ্টা, সম্পাদক, সহঃ সম্পাদক, কাৰ্যালয় সম্পাদক, সাংস্কৃতিক সম্পাদক আৰু পত্ৰিকা সম্পাদক।



সঁজাল কুটিৰ উদ্বোধনৰ পিছত

১৯-০১-১৯: পুৱা ৯:৩০ বজাত কালিয়নী ক্লাবৰ দ্বাৰা শিল্পী গৰাকীৰ সম্বৰ্ধনা জনোৱা হয় আৰু মেচাং ঘৰত বহি শিল্পী গৰাকীৰ অনুভূতি বোৰ বাণীবদ্ধ কৰা হয়। সেইদিনা সন্ধিয়া ত্ৰিবেণী সংগীত একাডেমীৰ দ্বাৰা আয়োজিত অনুষ্ঠানত শাখাৰ মহিলা শিল্পীসকলে সমবেত সংগীত পৰিৱেশন কৰে আৰু সূৰ্য্য দাসদেৱৰ সৈতে অন্তৰংগ আলাপ অনুষ্ঠানত ভাগ লয়।



সূৰ্য্য দাসৰ জীৱন গাঁথা বাণীবদ্ধ কৰাত ব্যস্ত শাখাৰ সদস্যসকল



ত্ৰিবেণী সংগীত কলা একাডেমীৰ মঞ্চত শাখাৰ মহিলা শিল্পী দলটি

২১-০১-১৯: বিশ্ব বন্দিত গগশিল্পী ড° ভূপেন হাজৰিকাদেৱক ভাৰত চৰকাৰে ভাৰতবৰ্ষৰে বিভূষিত কৰাৰ বাবে শাখাৰ তৰফৰ পৰা এক বিশেষ অনুষ্ঠানৰ আয়োজন কৰা হয়।



গগশিল্পী ড° ভূপেন হাজৰিকালৈ ভাৰতবৰ্ষ প্ৰদান উপলক্ষে আয়োজিত বিশেষ অনুষ্ঠান

০১-০২-১৯ আৰু ০২-০২-১৯: বহা অধিৱেশনলৈ শাখাৰ প্ৰতিনিধি প্ৰেৰণ আৰু আৰ্থিক অনুদান হিচাপে ২৫,০০০/- টকাৰ চেক প্ৰদান। উক্ত দিনাই অসমীয়া জাতীয় জীৱনৰ লগত জড়িত সমাজকৰ্মী জি.এল. আগৰৱালা দেৱৰ মৃত্যুত নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাই গভীৰ শোক প্ৰকাশ কৰি ০১-০২-১৯ তাৰিখে এক শোক প্ৰস্তাৱ প্ৰস্তুত কৰি তেখেতৰ পুত্ৰ হাতত প্ৰদান কৰে।



বহা অধিৱেশনত শাখাৰ প্ৰতিনিধি দল



বিশিষ্ট সমাজকৰ্মী জি. এল. আগৰৱালাৰ শোক প্ৰস্তাৱ পুত্ৰৰ হাতত অৰ্পণ

০৪-০২-১৯: শাখাৰ দ্বাৰা প্ৰস্তাৱিত ড° ভূপেন হাজৰিকা দেৱৰ প্ৰতিমূৰ্তি স্থাপনৰ বাবে স্থান পৰিদৰ্শন আৰু নক্সা প্ৰস্তুত কৰণৰ বাবে ছবি নিৰ্মাতা পুলক গগৈ দেৱক আমন্ত্ৰণ কৰা হয়।



বিশিষ্ট শিল্পী পুলক গগৈক শাখাৰ তৰফৰ পৰা সম্বৰ্ধনা

০৮-০২-১৯: বিশিষ্ট লোক সংগীত শিল্পী লোক নাথ গোস্বামীদেৱক শাখাৰ তৰফৰ পৰা সম্বৰ্ধনা জনোৱা হয়। লগতে শাখাৰ মুখপাত্ৰ, কাঁচিয়ালি প্ৰদান কৰা হয়।



শাখাৰ দ্বাৰা লোক সংগীত শিল্পী লোক নাথ গোস্বামীক সম্বৰ্ধনা

১৪-০২-১৯: শাখাৰ দ্বাৰা পাৰ্শ্বৱৰ্তী অঞ্চল লেটেকু চাপৰিত বিশেষ অনুষ্ঠান অন্তৰংগ গধূলি অনুষ্ঠিত কৰা হয়। উক্ত অনুষ্ঠানটি পৰিচালনা কৰে মঃ মনোৱাৰ হুছেইনদেৱে। অনুষ্ঠানত অঞ্চলটোৰ বিশিষ্ট ব্যক্তি সকলক সম্বৰ্ধনা জনোৱাৰ লগতে ভিন্ন সম্প্ৰদায়ৰ স্থানীয় শিল্পী সকলেৰে সংগীতানুষ্ঠানো অনুষ্ঠিত কৰা হয়।

১৬-০২-১৯: সম্ভাৰবাদীৰ আক্ৰমণত পুলৱামাত প্ৰাণ আহতি দিয়া ভাৰতীয় জোৱান বীৰ শ্বহীদ সকলৰ আত্মাৰ চিৰ শান্তিৰ বাবে শাখাৰ তৰফৰ পৰা বস্তি প্ৰজ্বলনৰ শ্ৰদ্ধাঞ্জলি জনোৱা হয়।

২২-০২-১৯: শাখাৰ কাৰ্য্যালয় প্ৰাঙ্গণত আয়োজিত এখনি সভাত ভ্ৰাম্যমাণ থিয়েটাৰ পৰিচালনাৰ বাবে শ্ৰীযুত গিৰীশ বড়াদেৱক সভাপতি আৰু শ্ৰীযুত সংগম পঞ্চননক সম্পাদক হিচাপে লৈ পৰিচালনা সমিতিখন গঠন কৰা হয়।

২৫-০২-২০১৯: দৈয়াং অতিথি শালাত সদ্য অৱসৰ প্ৰাপ্ত নুমলীগড় শোধানাগাৰ লিমিটেডৰ মানৱ সম্পদ বিভাগৰ মহাপ্ৰবন্ধ শ্ৰীযুত অপূৰ্ব কুমাৰ ভট্টাচাৰ্য্যদেৱৰ লগতে তেখেতৰ সহধৰ্মিণী তথা গোৱালপৰীয়া লোকগীতৰ শিল্পী সাধক শ্ৰীযুতা মিনি ভট্টাচাৰ্য্য বাইদেউক শাখাৰ তৰফৰ পৰা সম্বৰ্ধনা জনোৱা হয়। অনুষ্ঠানত নগৰাঞ্চলৰ শিশু শিল্পী সকলৰ দ্বাৰা সাংস্কৃতিক অনুষ্ঠানৰ আয়োজন কৰা হয়।



শাখাৰ বিশেষ সম্বৰ্ধনা গ্ৰহণ জ্যেষ্ঠ মুখ্য মহাপ্ৰবন্ধক, অপূৰ্ব কুমাৰ ভট্টাচাৰ্য্য



MD's Message for SAKSHAM 2019

With a growing economy and changing lifestyle, energy consumption trend in India is increasing day by day. As a result, usage of petroleum products has also increased, which in turn is increasing India's dependence on imported crude oil. With this upward graph of consumption of fossil fuels and related energy sources, concerns related to climate change have assumed enormous proportions; making it imperative to consciously commit towards conservation of the environment as well as well-being of our future generations. Therefore, judicious use of fossil fuels needs to be cultivated as a habit.

Like in previous years, Petroleum Conservation Research Association (PCRA) under the aegis of the Ministry of Petroleum and Natural Gas, Govt. of India is spearheading the month long Oil and Gas Conservation drive Sanrakshan Kshamata Mahotsav (SAKSHAM) 2019 starting from January 16, 2019. Aptly promoted with the tagline 'Indhan Sanrakshan Ki Zimmedari, Jan Gan Ki Bhagidari', SAKSHAM aims to generate awareness amongst the masses on the need of conservation and efficient ways to use fuel.

Various activities have been planned to be undertaken during the month long drive, with the objective of generating awareness on petroleum conservation and effective utilisation of petroleum products. NRL is also organising a SAKHAM Cycle Rally in Silchar on 20th Jan, 2019 as part of PCRA's initiative to organise Cycle Rallies simultaneously in 200 cities across the country on that day. The objective of the Rally is three pronged- generate awareness about the need for conserving fossil fuels, save the environment from pollution and promote cycling for health.

I urge everyone to actively participate and contribute in this conservation drive so that we can pledge for a cleaner and better tomorrow. I wish the SAKSHAM 2019 all success.

S K Barua
Managing Director

16-01-2019



*Captivating captures through the lens of
Swapnil Jyoti Borah, Assistant Manager (Operations)*

