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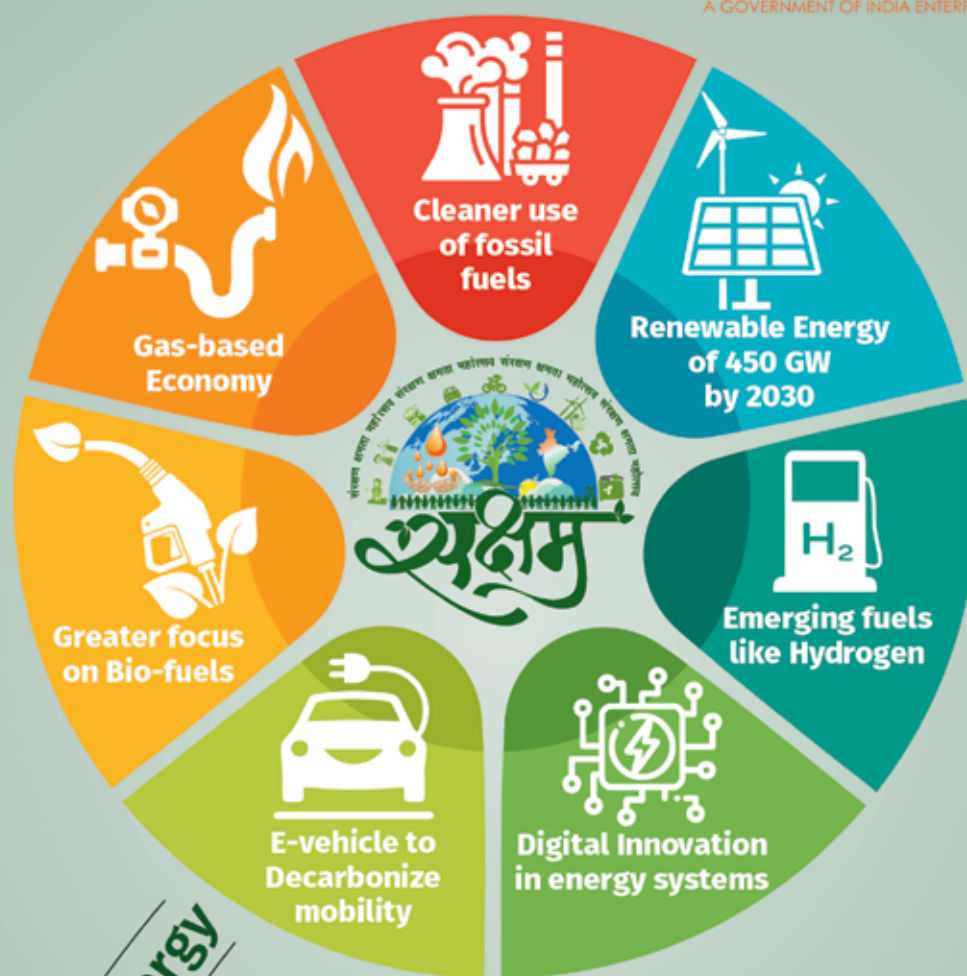
January - March 2021, Vol. 70

R o d a l i

House Journal of Numaligarh Refinery Limited

NUMALIGARH
REFINERY
LIMITED

A GOVERNMENT OF INDIA ENTERPRISE



Green and clean energy

CONSERVE **FUEL**
SAVE **FUTURE**



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NumaligarhRefineryLimitedAssam



From the Desk of the Editor

Dear Readers,

My heartiest greetings to each one of you!

As we complete another financial year, let us sincerely salute the spirit of unity and tenacity - the binding force of NRL which sailed us through a difficult year for humanity at large. The silver lining is that the much anticipated vaccinations have arrived in India and inoculation is going on in phases. Bearing in mind the upsurge in COVID-19, let us continue to adhere to COVID protocols and COVID appropriate behaviour, protecting ourselves, our families, colleagues and society as a whole. Despite the pandemonium, the financial year 2020-21 ended on a positive note as evident from the Performance Highlights that you may wish to take a glance. The mega Refinery expansion project has gathered pace with major milestones reached and many more being pursued vigorously.

25th March 2021 marks a turning point in the history of our Company, heralding the beginning of a new journey. The ownership of NRL changed hands as its holding company BPCL sold off its majority stake to a consortium of OIL and EIL, while Govt. of Assam increased its stake in the Company; formalized through the Share Purchase Agreement. E & P major OIL is now the holding company of NRL with majority stake of 80.16 %. This historic development promises to create synergy with vertical integration in the oil & gas value chain. NRL also gets to retain its PSU status with BPCL on the road to privatization. Read more about the development and Message from OIL CMD and our new Chairman, Mr. S C Mishra as he shares his thoughts on this historic occasion. We move ahead with hope and belief auguring with the quote from Henry Ford, 'Coming together is a beginning. Keeping together is progress. Working together is success'.

Like in previous years, NRL observed SAKSHAM 2021 from 16th January to 15th February 2021 organizing a gamut of events aimed at sensitizing the citizens about the importance of conservation of petroleum products and efficient energy utilization for better health and environment protection. The Feature on SAKSHAM 2021 elucidates our efforts in this direction.

Women have come a long way indeed from the early days, breaking stereotypes and fighting patriarchy in practically all spheres of life. International Women's Day celebrated on 8th March salutes the spirit of fortitude, courage, resilience and accomplishments of women the world over, while endeavouring to create a conducive environment where women can reach their potential and be equal partners in society. The forum of WIPS NRL Chapter celebrated International Women's Day with meaningful programs that brought out this very essence.

This quarter witnessed our Company bagging several accolades including the coveted 'Best Governed Company, 2020' award at the ICSI National Awards for Corporate Governance and PRSI National Awards 2020 in 3 categories viz. Social Media for PR and branding; Best use of Social media for COVID-19 and for our Hindi Journal PRAYAS.

Signing off with the hope that the new Financial Year holds us in good stead for the future, backed by the vision of our Company, a strong leadership, the support of our stakeholders and partners and the commitment of our people.

Stay connected, stay safe and stay motivated!

Warm regards,

Madhuchanda Adhikari

Highlights of NRL's performance during Q4 of FY 2020-21 and FY 2020-21

Capacity Utilisation

NRL's Crude throughput during the fourth quarter of FY 2020-21 was 717 TMT reflecting a capacity utilization of 96%. During the FY 2020-21, NRL's crude throughput was 2,707 TMT against MoU target of 2900 TMT.

During the FY 20-21, operational availability of the refinery improved to 98.49% against MoU target of 97%.

Some of the significant achievements of FY 2020-21 are as follows :

- HSD production of 1,846 TMT, improvement 15% over previous year.
- Highest ever MS production of 638 TMT, improvement of 36% over previous year.
- Highest ever Wax production at 47 TMT, improvement of 17% over previous year.
- Highest ever LPG Bottling at 57 TMT, improvement of 23% over previous year.
- Highest ever MTO production at 17.1 TMT.

Production Efficiency

- Distillate Yield of 86.36% was achieved during FY 2020-21, higher than MoU target of 86%. Distillate Yield during FY 2019-20 was 82.96%.
- Specific Energy Consumption (SEC) during FY 2020-21 was recorded at 64.37 MBN which was better than MoU target of 64.60 MBN. Specific Energy Consumption (SEC) during Q4 was 61.05.
- Energy Intensity Index (EII) during FY 2020-21 was recorded at 86.99 against the internal target of 85.9. Energy Intensity Index (EII) recorded during Q4 was 82.91.

Marketing Performance

- During the FY 2020-21, product sales of 2,764 TMT against production of 2,741 TMT.
- NSPL throughput during FY 2020-21 was 1699 TMT.
- Mobile Dispensing Vehicle 'Photonz' was launched on 31-03-21.
- During FY 2020-21, NRL exported 55 TMT of HSD to Bangladesh. Total Wax export was 527 MT with total value of export at approximately USD 30 million.

Capital expenditure

Highest ever Standalone Capital expenditure at ₹875 Crore (prov.) was achieved during FY 2020-21, an improvement of 65% over previous year. Total CAPEX achieved was ₹981 Crore including investment in Joint Ventures (JVs) against MoU target of ₹949 Crore.

Projects Completed

During the during FY 2020-21, Modernization of TAS at SMT was mechanically completed in 06.02.2021.

Ongoing / Upcoming Projects

i) Refinery expansion from 3 to 9 MMT

a) Status on NREP

- Environmental Clearance for Refinery Expansion project from 3 to 9 MMTPA was granted to NRL on 27-07-2020. Pre-project enabling activities are under progress at site. Licensor selection process for SRU, DHDT, GDS, MSU, PFCC and RPTU has been completed. For balance 01 unit (LPGTU), NIT for the Licensor Selection is floated.

b) Crude Oil Import terminal and Paradip-Numaligarh Crude Oil pipeline:

- 234 acres of land taken on lease from Paradip Port Trust (PPT). Consent to establish Crude Oil Import Terminal (COIT) has been received from SPCB (Odisha). Order for 1,155 KM line pipe supply out of 1,630 KM has been placed through GeM.

c) Numaligarh-Siliguri Product Pipeline

- Numaligarh Siliguri Product Pipeline Project, as part of the NREP project, will not be executed by NRL anymore. The project will now be executed by M/s Oil India Ltd. and the project to be reported by OIL from the next financial year. An MOU has been signed with OIL for enhancement of capacity augmentation of existing NSPL.

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. At present on March, 2021, the overall physical progress achieved was 62.3%. Financial progress as on March, 2021 is 33.45%. The mechanical completion of the project is expected on September, 2021.

Investment in new JVs

i) Assam Bio Refinery Pvt. Limited (ABRPL)

NRL has entered into a new JV to set up a Bio-refinery for production of ethanol from bamboo bio-mass. The

Performance Highlights

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 September, 2021. On March, 2021, the overall physical progress achieved was 31.3%. Financial progress as on March, 2021 is 28.68%. The mechanical completion of the project is expected on August, 2022.

ii) Indradhanush Gas Grid Limited (IGGL)

NRL is a partner with 20% stake in Indradhanush Gas Grid Limited (IGGL) which is executing Natural Gas Pipeline of 4.75 mmscmd capacity. Estimated project cost is ₹9,265 Crore. An amount of ₹5,559 Crore, which constitutes 60% of the total project cost of ₹9,265 Crore has been sanctioned by the Government as Viability Gap Funding in January, 2020 to make the project viable. The gas pipeline will connect the all the eight North-eastern states i.e. Assam, Meghalaya, Tripura, Mizoram, Manipur, Nagaland, Arunachal Pradesh and Sikkim. Once implemented the

project is expected to ensure smooth supply of NG to help in ushering the states into Gas based economy and will help in rapid industrial development of the states. The project is expected to be completed by March, 2024.

Financial Performance

- Sales turnover during the FY 2020-21 was recorded at ₹18,277 Crore.
- Highest ever PBT was achieved at ₹3,844 Crore (provisional); while highest ever PAT was achieved at ₹2,864 Crore (provisional).
- Gross Refining Margin was recorded at \$2.35 per bbl (provisional).
- Highest ever contribution to the Central and State exchequer was ₹6,468 Crore.

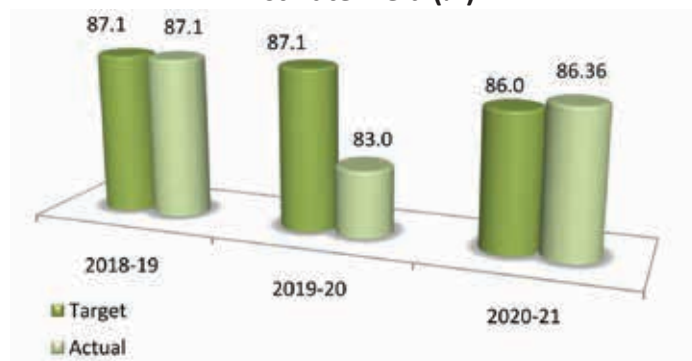
MoU performance

The provisional self-evaluated MoU score for 2020-21 has been worked out under excellent rating.

Crude Throughput (TMT)



Distillate Yield (%)



Specific Energy Consumption (MBN)



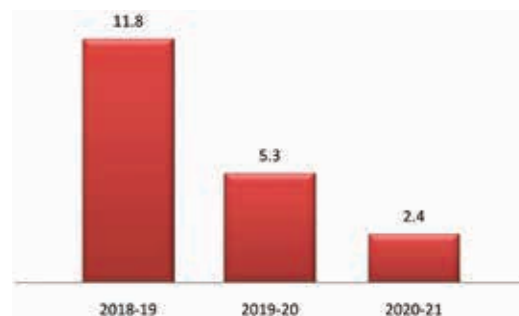
Energy Intensity Index (EII)



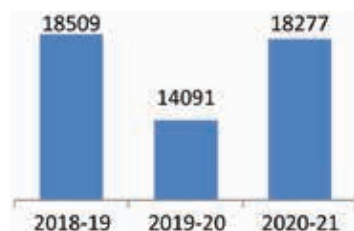
PBT/PAT (₹ Crore)



GRM (\$/BBL)



Sales Turnover (₹ Crore)



Interim Dividend Cheque presented to Government of Assam for the FY 2020-21



MD Mr. S.K. Barua handing over the Interim Dividend cheque of Rs. 122.61 Crore for the financial year 2020-21 to Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal

Our Company handed over Interim Dividend for the financial year 2020-21 to the Government of Assam against its equity stake of 12.35 % in the Company on 3rd January 2021.

The cheque amounting to ₹122.61 Crore was presented by MD Mr. S.K. Barua to Hon'ble CM of Assam, Shri Sarbananda Sonowal

in the presence of Chief Secretary, Govt. of Assam - Mr. Jishnu Barua; Additional Chief Secretary to Chief Minister - Mr. Paban Kumar Borthakur; Commissioner and Secretary of Industries and Commerce, Govt. of Assam - Mr. K.K. Dwivedi, Director (Technical) - Mr. B.J. Phukan; Director (Finance) - Mr. I Mittra; Company Secretary - Mr. H.K. Sarmah and DGM (Corp. Comm.) - Ms. Madhuchanda Adhikari at the CM's Official residence in Guwahati.

The interim dividend amount is based on financial performance of the company in the period between April 2020 to September 2020.

Ownership change in NRL : OIL becomes holding Company

2^{5th} March 2021 was a red letter day, a turning point in the history of NRL as the ownership of the Company changed hands, with Oil India Limited (OIL) become its holding company.

A consortium of Oil India Limited(OIL) and Engineers India Limited (EIL) through a Share Purchase Agreement with Bharat Petroleum Corporation Limited (BPCL) signed on that day acquired BPCL's majority equity stake of 61.65% in NRL with the Govt. of Assam increasing its stake in NRL. OIL acquired 54.16 % stake to raise its shareholding in NRL to 80.16% from its earlier 26%, while EIL acquired a 4.7 % stake and the balance 3.12 % was acquired by Government of Assam, raising its stake to 15.47% from earlier 12.35%.

Looking back, Government of India in November 2019, while announcing disinvestment of several CPSEs, approved strategic disinvestment of BPCL's 61.65% share-holding in NRL along with transfer of management control to a CPSE



Share Purchase Agreement being signed in New Delhi on 25th March, 2021

operating in Oil and Gas sector, making way for privatization of BPCL. The step was taken to ascertain that NRL continues to retain its PSU status.

OIL is a premier oil and gas upstream company engaged in exploration, development, production and transportation of Crude Oil & Natural Gas. The

company has a rich heritage of more than five decades of experience in exploration, production along with strong reserve base of Crude Oil & Natural Gas. EIL, another PSE in the Oil and Gas sector is the prime Technical Consultant for Oil and Gas Projects in the country. Needless to mention that NRL operates the largest Refinery in North East India with its products making way to markets in the region and beyond. The synergy between the companies is expected to create great value as NRL marches ahead with its ambitious growth and development projects other than creating a vertical integration in the oil and gas value chain.

This is not the first time that the ownership of NRL has changed. On 23rd June, 1989, IBP Company Limited was appointed as implementing agency of Numaligarh Refinery Project, which was the outcome of the Assam Accord signed on 15th August 1985 with proposed equity structure as IBP: 51%, Govt. of Assam: 10% and Public: 39%. Thereafter on

2nd June, 1995, BPCL was inducted as a major promoter with a share holding pattern of BPCL: 32%, IBP: 19%, Govt. of Assam: 10%, Public: 39% at a time when the Refinery project was picking up momentum. In March 2001, NRL became a subsidiary of BPCL with BPCL acquiring 61.65 % equity stake.

Message from OIL CMD on this landmark development

26th March, 2021



Sushil Ch. Mishra

Dear members of NRL and OIL family,

Today is a historic day for the stakeholders of NRL and OIL, especially the employees and their families of these two great Organizations. For OIL, acquisition of majority shares of NRL as a part of the consortium along with EIL is not only a strategic business decision but one of the defining moments of OIL's corporate journey as an E&P Company looking for vertical integration in the oil & gas value chain. At the same time, NRL also now has become part of an integrated energy company and together we can create a tremendous synergy that will help both the entities to consolidate our business plans and achieve sustainable growth and success in all our endeavours.

We must also appreciate that OIL and NRL have a very special place in the hearts of the people of Assam, where we have grown. The Central Government as well as the State Government have laid huge emphasis on Act East Policy with focus on creating long lasting business relations with the neighbouring countries on the North Eastern frontiers of our country. Together, OIL and NRL

can and have to play a pivotal role in contributing our share towards fulfilling this vision. With the massive refining capacity enhancement project of NRL and aggressive exploration plans of OIL in existing and new hydrocarbon blocks in North East, we will be able to contribute immensely in ensuring energy security of our nation and achieve the targets set by the Ministry of Petroleum and Natural Gas under North East Hydrocarbon Vision 2030. Presence of EIL with us will surely boost the technical expertise, which will become more relevant considering the expansion plan of NRL.

The expectations from our stakeholders are huge and the markets are also watching the OIL-NRL synergy with great interest. We must also remember that besides achieving our business goals in a very competitive energy market, we also have a very important commitment to ensure inclusive growth of the communities in and around our operational areas through our exemplary CSR initiatives. We would certainly make good use of our joint resources to ensure that together we continue to touch the lives of the people of our operational areas with even greater earnest.

OIL always had a very close bonding with NRL since the refinery came into existence. Besides our B2B relationship and OIL's existing stake of 26% in NRL, we also shared a special bond because of the geographical proximity between our two companies. Today, I take the opportunity to extend a warm welcome to each and every member of the NRL family and assure you that from today, we are one large family where each member is dependent on the other's performance and together we have to live up to the huge expectations that our stakeholders have from us.

We are aware that NRL has a very competent workforce and over the years NRL's gross refining margin continues to be one of the best in the industry. OIL also has been able to sustain productions from ageing brown fields and introduce state-of-the-art technologies to augment production. We will also explore for newer reservoirs of oil and gas in new blocks that OIL has successfully bid for, in recent years. The future has huge possibilities now that we have joined hands and together NRL and OIL will surely script new success stories both as business entities as well as organizations that are sensitive to the overall developmental needs of the people of the operational areas.

I take this opportunity to thank the Ministry of Petroleum and Natural Gas, Government of India and the Government of Assam in particular for all the support in making this historic day happen and we would want to assure that team OIL-NRL will make best use of respective strengths to achieve newer levels of success and fulfill the aspirations of our stakeholders at all times.

Jai Hind!

Sushil Chandra Mishra

NRL and CSIR-NEIST sign agreement for R&D Project

NRL had entered into an Agreement with CSIR-North East Institute of Science & Technology, Jorhat (CSIR-NEIST) to develop process for treatment of phenolic waste water, recycling of the treated water and conversion of phenol to value added product.

The Agreement was signed by General Manager (Speciality Chemical) NRL, Mr Ghanashyam Hazarika and Director, CSIR-NEIST, Dr. G. Narahari Shastry in presence of officials from NRL and CSIR-NEIST on 24th Feb 2021 at NEIST, Jorhat.

Taken up as an R&D project with funding of ₹1.27 Crore by NRL, CSIR NEIST is expected to develop the pilot plant for demonstration of the above process within a period of 2 years. It is pertinent to mention that NRL had entered into a MoA with CSIR-NEIST during October 2020 for

creating a framework for collaboration between CSIR-NEIST and NRL.

As part of the framework, NRL would sponsor specific R&D projects against which NEIST will propose specific deliverables and timelines.



Signing of Agreement at NEIST Jorhat

NRL signs tripartite agreement to incubate startup at IIT Guwahati

A tripartite agreement was signed between NRL, Indian Institute of Technology (IIT) Guwahati and Vigitrics Private Limited, a startup selected through our Company's flagship startup funding initiative iDEATION, to fund incubation activities of the startup for two years at IIT Guwahati's Technology Incubation Centre (TIC). The agreement was signed by Sr. CGM (Corporate

Salman Choudhary in presence of Director, IIT Guwahati Dr. T.G. Sitharam, other officials of NRL, IIT Guwahati and Vigitrics Private Ltd at IIT Guwahati on 17th March 2021.

Vigitrics is expected to develop an 'Intelligent Drowsiness Detection System' for vehicle drivers. The project aims to build a low-cost non-intrusive system to determine

the drowsiness of the driver and to alarm the driver if drowsiness is detected. The system shall incorporate two different methods of drowsiness detection reducing the risk of a false drowsiness assessment and shall consist of physiological sensors as well as cameras backed by suitable machine learning algorithm for data analysis.

NRL launched iDEATION in 2017 to lend wings to the dreams and ideas

of entrepreneurs from the North-East by selecting promising ideas and assisting them to grow. Out of ₹10 Crore earmarked for startup funding, about ₹5.5 Crore has already been allocated across 23 startups.



Signing of the Tripartite agreement at IIT Guwahati

Affairs) NRL, Mr. N Borthakur, Dean (Industrial Interactions & Special Initiatives) IIT Guwahati, Prof. G. Krishnamoorthy and Director, Vigitrics, Mr. Pharvesh

NRL Receives Award for Best Governed Company, 2020 by the ICSI

• Company Secretary, NRL adjudged Governance Professional of the year

Our Company was honoured with the National Award for Excellence in Corporate Governance as a Best Governed Company (Unlisted Large) by the Institute of Company Secretaries of India (ICSI), the premier national

professional body set up under an Act of Parliament. The Institute also honoured Company Secretary, NRL Mr. H.K. Sarmah, as the Governance Professional of the year, 2020.



Award for Best Governed Company 2020 for NRL

The award comprising of a citation and trophy was presented to NRL team headed by MD Mr. S.K. Barua on 13th January, 2021 at New Delhi by Mr. Ashish Garg, President, The ICSI joined over virtually by Hon'ble Union Minister for Railways, Commerce & Industry, Consumer Affairs and Food & Public Distribution, Government of India Shri Piyush Goyal; Chairman, Aditya Birla Group Mr. Kumar Mangalam Birla and members of The ICSI.

The ICSI National Award in Corporate Governance recognises the best practices in Corporate Governance and promotes a culture of good governance and social responsibility in the corporate sector.

NRL wins PRSI National Awards 2020 in Three Categories

Pursuit of excellence has been a hallmark for NRL. Keeping up with its track record, our Company has been awarded in the 3 categories of PRSI National Awards 2020 viz. Social Media for PR and branding; Best use of Social media for COVID-19 and Hindi Journal 'PRAYAS'.

The awards were given away at the Virtual Awards ceremony of PRSI National Awards held on 21st Feb 2021 on Zoom platform. Her Excellency Hon'ble Governor of Uttarakhand, Smt. Baby Rani Maurya was the Chief Guest at the function which was presided over by Hon'ble Union Higher Education Minister Dr. Ramesh Pokhriyal Nishankji in the presence of President, International Public Relations Association Mr. Philippe Borremans and President, PRSI Dr. Ajit Pathak. Our MD Mr. S.K. Barua, Sr. CGM (CA) Mr. Nikunja Borthakur and DGM (CC) Ms. Madhuchanda Adhikari received the award virtually.

The virtual award ceremony was live streamed through FB pages of PRSI Chapters across the country which drew overwhelming participation.

PRSI (Public Relations Society of India) is the apex body of PR and CC professionals in the country. The annual PRSI National Awards are the highest recognition for excellence in Public Relations and Corporate Communications. The award assumes significance since top national companies from the public and private sector were contenders for the coveted award.



Foundation Stone laying



The Foundation Stone Laying Ceremony of Dhansiri Nagar (Erstwhile Railway Colony) was held on 8th March 2021 at Numaligarh. The Project includes construction of 168 nos. of Residential Units (144 nos. of 4 BHK and 24 nos. of 2 BHK Units). MD Mr. S K Barua did the honours in the presence of Director (Technical) Mr B J Phukan and Director (Finance) Mr. I Mittra.

Griha Pravesh



Griha Pravesh Ceremony of the apartments booked by NRL at Royal Aawas, Bokakhat was carried out on 9th March'2021. A total of 21 nos. of residential apartments have been booked by NRL. The occasion was graced by MD Mr. S K Barua, D(T) Mr. B J Phukan, D(F) Mr. I Mittra, SCGM(CA) Mr. Nikunja Borthakur CGM(HR) Mr. Prabir Talukdar and other senior officials.



Flag off

Director (Technical) Mr. B J Phukan flagging off the National Road Safety Month Marathon on 18th Jan 2021 from NRL Township Playground





SAKSHAM 2021 concludes on a positive note at NRL

SAKSHAM (Sanrakshan Kshamta Mahotsav) 2021, the month long countrywide mass awareness drive on the theme, 'Green and Clean Energy' was successfully organised at NRL. The drive is spearheaded by Petroleum Conservation Research Association (PCRA) under the aegis of Ministry of Petroleum and Natural Gas for raising awareness about the need for conserving precious Oil and Gas resources. Into its 4th year, SAKSHAM 2021 was enthusiastically

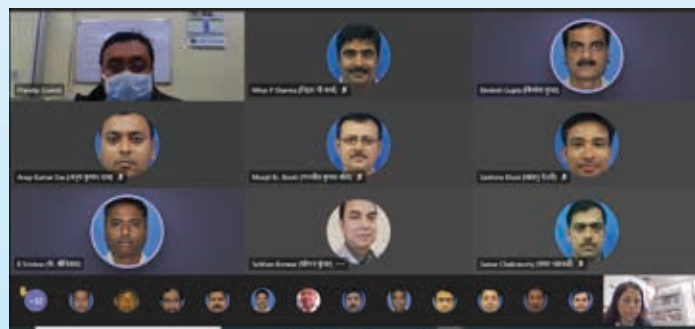
observed across the country including in NRL in the period between January 16 and February 15 with a host of activities and events.

On the inaugural day, SAKSHAM pledge was administered to all employees across locations on virtual mode as well as through physical meetings. Conservation messages by Hon'ble Petroleum Minister Shri Dharmendra Pradhan and NRL MD Mr. S K Barua were shared in all internal communication as well as NRL social media platforms.

Glimpses of SAKSHAM 2021 pledge taking in various locations



Virtual pledge taking in Corporate and Marketing Office, Guwahati



Virtual pledge taking in Numaligarh



Central Control Room, Refinery



Kolkata Office



Delhi Office



Marketing Office, Guwahati



Siliguri Marketing Terminal

During the course of the campaign, MD Mr. S K Barua shared his views on the importance of Conservation in interviews broadcast on All India Radio and

Doordarshan. Articles on Conservation were also published in regional newspapers to enhance awareness on its importance.



MD's interview on SAKSHAM 2021 by Consulting Editor, The Assam Tribune -Mr. P J Baruah telecast in Doordarshan Guwahati on 20-01-21



MD's interview on SAKSHAM 2021 by News Editor, All India Radio News, Guwahati Mr. Manas Pratim Sarma broadcast on 30-01-21

A concerted social media campaign on SAKSHAM 2021 was launched in NRL social media platforms to drive home the importance of conservation and important SAKSHAM events were live streamed from NRL Facebook page.

Social media campaigns on SAKSHAM in NRL FB Page and Twitter handle



At the Refinery location, a series of field level awareness meetings with focus on energy conservation and efficiency improvement were conducted in field cabins of different plant units. In addition, an intensive unit wise internal steam leak survey for improvement of

Academy near Numaligarh on 8th February to spread awareness about the importance of Oil and Gas conservation among students. Several other programs were organized in the vicinity of the Refinery to include youths, housewives, cooks, maids, drivers,



Field Awareness programs conducted in various plant units of the Refinery



Emission check of Vehicles at Kunjakanan (NRL Township) Main gate steam network was conducted in the Refinery and the unit with lowest steam leak was recognized and awarded. Also, air and gaseous Nitrogen network leak survey was carried out in the entire Utility and Offsite area.

A school awareness program was held in Kalpataru



School awareness program at Kalpataru Academy



Recognition for best fuel saving ideas in different plant units

fleet operators etc. with the objective of raising awareness on energy conservation. For employees, slogan and essay writing completion and an E-quiz on fuel conservation was organised. Emission check of vehicles was carried out at NRL Township Main Gate for Kunjakanan residents.



SAKSHAM Awareness Program in nearby Mitha-aam-sapori-jathipotia-haluwa-gaon where NRL team joined the Farmers' Week celebrations to spread the message of energy conservation



SAKSHAM 2021 Cyclothon was organized by NRL in Silchar on 31st January, 2021 where more than 600 cyclists took part. The event was part of similar SAKSHAM 2021 Cyclothons being observed in 300 cities simultaneously across the country organized by Oil and Gas PSUs to create awareness on health, environment and fuel conservation. The Cyclothon followed a 6 km route starting from the Police Parade Ground, Silchar to culminate at Radiant English school, Nagatilla point. The event was organized with due consideration to social distancing protocols. The Cyclothon was flagged off by Hon'ble Dy. Speaker, Assam Assembly Shri Aminul Haque Laskar who was the Chief Guest for the event in presence of Hon'ble MLA Silchar Shri Dilip Paul DC, Cachar Smt. Keerthi Jalli, IAS; SP Cachar Shri Bhanwar Lal Meena, IPS; CEO Zila Parishad Silchar Ms Deepshikha Dey, GM (Mktg) NRL, Mr. Subrata Das and a host of other dignitaries. Youth icon and para-cyclist Mr. Rakesh Banik graced the occasion and motivated the hundreds of youths and children who thronged Police Parade ground. GM (Mktg) NRL Mr. Subrata Das welcomed the gathering and enunciated about SAKSHAM and its objectives. This was followed by SAKSHAM pledge taking on oil and gas conservation led by DGM(Corporate Communications) NRL Ms. Madhuchanda Adhikari. Chief Guest Shri Aminul Haque Laskar in his speech exhorted the youths and children to make cycling a part of their daily life to stay healthy and fit. MLA Shri Dilip Paul in his address talked about the need to come back to a basic lifestyle practiced in the past which included cycling, to combat issues of pollution, health and conservation. DC Smt. Keerthi Jalli spoke about the need of oil and gas conservation that are non-renewable sources of energy and requested every one to adopt sustainable habits and solutions for a better future. SP Shri B L Meena thanked NRL for the initiative taken in promoting cycling in Silchar.



Chief Guest and Hon'ble Dy Speaker of Assam Assembly Shri Aminul Haque Laskar addressing the rally



DC Cachar Smt Keerthi Jalli, IAS exhorting the audience on the need for oil conservation



SP Cachar, Shri BL Meena, IPS sharing his thoughts on importance fuel conservation.



Hon'ble MLA, Silchar Shri Dilip Paul addresses the rally



Dignitaries flagging off the rally from Police Parade Ground, Silchar



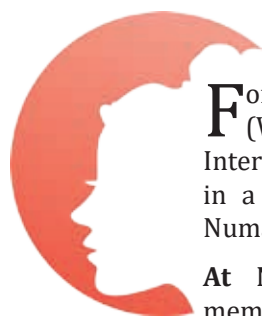
Para-cyclist Rakesh Banik motivates the youths to imbibe cycling in their everyday life.

Valedictory function: SAKSHAM 2021 concluded with the closing ceremony organised by Technical Services Team held virtually on 15th of February in the presence of MD, Mr. S K Barua, DT, Mr. B J Phukan, Departmental and Functional Heads and participation of a large section of employees. CGM(TS) Mr. Bimlesh Gupta shared a brief on conservation measures adopted in NRL and the way forward. CM (TS) Ms. Geetali Kalita shared a gist of programs conducted at NRL during the month long SAKSHAM 2021 campaign. Director

(Technical) Mr. B J Phukan in his speech elucidated the steps taken by NRL in the direction of fuel conservation, with reference to the identified focus areas of SAKSHAM 2021 and said that they were very much in alignment with the objectives of SAKSHAM 2021. MD Mr. S K Barua in his address shared his views with the adage, 'Every act of conservation is an act of patriotism' and reiterated importance of conservation. Prize winners of various competitions were awarded during the valedictory function.

OBSERVANCES

International Women's Day 2021



Forum of Women in Public Sector (WIPS), NRL Chapter celebrated International Women's Day (IWD) 2021 in a befitting manner on 8th March in Numaligarh as well as in Guwahati.

At Numaligarh, WIPS NRL Chapter members assembled early in the morning at NRL Township gate and distributed gift packs of hygiene items viz. soap, Dettol, sanitizer, mask and sanitary pads to lady contract workers entering the Township.



Women contractual workers being handed over hygiene kit by lady employees

Later in the morning, a workshop on Health and Wellness was conducted for Women Employees of NRL and its associated organizations viz. VK-NRL Hospital, VK-NRL School of Nursing, Delhi Public School, Numaligarh, Assam Bio Refinery Pvt. Ltd. and Central Industrial Security Force (CISF) by noted HR consultant Ms. Urmila Baruah. The prime objective of the program was



Workshop on wellness being conducted by noted HR Consultant Ms. Urmila Baruah

to help women adopt a life of holistic wellness for their all-round well-being.

In the evening, the International Women's Day function was held with 3 distinguished women as invited guests viz. Deputy Commissioner, Jorhat, Ms. Roshni Aparanji Korati, IAS ; Principal, Jorhat Engineering College, Dr. Reeta Sarma and Election Officer, Bokakhat, Ms. Nitisha Bora, ACS.



Deputy Commissioner Jorhat Ms. Roshni Aparanji Korati IAS addressing the International Women's Day 2021 program at Numaligarh



A Chorus presented by NRL lady employees at Numaligarh

DC Jorhat, Ms. Roshni Aparanji Korati spoke about domestic violence and the stereotypes related to women prevailing in the society. She also highlighted on the difference of mental buildup of men and women. Dr. Reeta Sarmah spoke about her struggle during the course of her education in Jorhat



Dance performance by women employees at Numaligarh



The Emcees

Engineering College from where she passed out as first female graduate in Mechanical Engineering. Smt. Nitisha Bora fondly recollected her mother's support in building her career. A cultural program was also organized where members performed songs and dances.

The program was also attended by MD Mr. S.K. Barua, Director (Technical) Mr. B.J. Phukan; Director(Finance), Mr. I Mittra and other senior officials, who inspired the women employees to reach their potential in their respective fields of work.

At Guwahati, WIPS NRL Guwahati Chapter celebrated Women's Day at Mother Old Age Home, Sijubari, Guwahati. The event was attended by all women employees, contractual staff and apprentices of Guwahati Corporate office, Marketing Office & Project Office. WIPS members spent a fruitful and satisfying day interacting with the senior citizens of the Old Age Home.

A song and dance session was also organized on the occasion where the elderly citizens participated whole heartedly followed by distribution of gifts to the inmates of the Home.



MD Mr. S K Barua, D(T) Mr. B J Phukan and D(F) Mr. I Mittra speaking at the International Women's Day 2021 program



Members of WIPS NRL Guwahati Chapter celebrate International Women's Day at Mother Old Age home



Inmates of Mother Old Age Home singing and interacting heartily with members of WIPS NRL Guwahati

Lady Officers in Shifts

In its pursuit of providing equal opportunity to all and quest for achieving greater gender equality, NRL took the novel step of introducing lady officers in night shift back in 2019. On 19th September 2019, six lady officers of Operations department walked into the Refinery Main Control Room to join night shift and starting this new journey. The decision was taken after extended discussions and elaborate arrangements to



The dozen lady officers of NRL working in shifts pose for a photograph on International Women's Day.

see to it that the lady officers are comfortable and safety of the group was of prime concern. No stone was left unturned to make the required facilities for the ladies to start this new journey. Dedicated vehicle equipped with GPRS tracking and CCTV facilities, employment of a lady security personnel at gate who could be reached out any moment in case of any emergency was also provided by CISF.

The change management was top driven, under able leadership of MD Mr. S. K Barua and Director Technical Mr. B J Phukan who took up the challenge and implemented the same. NRL management made it sure that the communication channels are always open to initiate this change. Apart from digital channels like email, telephone calls, whatsapp group messaging, one to one interaction were carried out by senior officers to know if they officers needed any infrastructural change or for that matter any change while implementing this step.

Needless to say that the lady employees welcomed this change whole heartedly and came forward to accept this challenge with enthusiasm. From newly joined GETs to middle level officers who had additional responsibilities like young children at home all gave in their best to fit in these new shoes. It has been almost 2 years of this journey and the lady officers have been continuing the same with full dedication. It is worth mentioning that during the gloomy Corona days last year, all lady officers have continued to work in all 3 shifts. At times women employees undertook strenuous 12 hour day and night shifts to join the essential service team in order to keep the refinery running.

Photo speak



Director (Technical) NRL Mr. B J Phukan (Extreme right) shares the dias with Hon'ble Petroleum Secretary Shri Tarun Kapoor, IAS (2nd from right); CMD EIL Mr. R K Sabharwal (2nd from left) and Director (Technical) EIL Ms. V Shukla (extreme left) at the 5th Edition of India Refining Summit held on 25-26 March at New Delhi.

72nd Republic Day Celebrations



MD Mr. S. K. Barua hoists the National flag at Republic Day celebrations of NRL at Numaligarh



March past



Hoisting of National Tricolour at Corporate Office, Guwahati by Sr.GM (CA) Mr. N. Borthakur



Unfurling of National flag at SMT

The 72nd Republic Day of the Nation was celebrated with enthusiasm and fervor in all locations of NRL.

At Numaligarh, MD Mr. S.K. Barua presided over the Republic Day function as Chief Guest and hoisted the National flag at the NRL Township playground. Thereafter, he inspected the ceremonial guard of honour of the marching parade and paid homage to the armed forces martyrs. He also handed over awards to members of the CISF for their exemplary services. In his speech, he thanked employees for rising up to the occasion in combating the challenging times arising out of the COVID-19 pandemic.

To commemorate the Day, a massive plantation drive was launched by NRL in 8 locations of the refinery simultaneously. The locations included Porabangla, Rongbong, Bokakhat JDSG College, Babathan temple complex, Dabidubi near Khumtai, Letekujan, Kamargaon, Rajabari. 10,000 saplings of different species of trees will be planted during the course of two months.

Glimpses of Plantation Drive in various locations on Republic Day



MD Mr. S. K. Barua at Porabangla



D (T) Mr. B.J. Phukan at Rongbong



D (F) Mr. I Mittra at JDSG College Bokakhat



CGM (Project) Mr. G.K. Bora at Kamargaon



Sr. CGM (Project) Mr. A.P. Chakravorty at Babathan



CGM (Mtce) Mr. H.K. Nath at Letekujan



CGM (TS) Mr. B. Gupta at Rajabari

Inauguration of Paediatric Oncology Ward at BBCI developed by NRL

The Paediatric Oncology Ward of Dr B. Borooah Cancer Institute (BBCI) developed by our Company under its CSR program at a cost of Rs. 2 Crore was inaugurated on 15th February 2021 by MD Mr. S.K. Barua in presence of Dr. A. C. Kataki, Director BBCI and senior officials of both the organisations on the auspicious occasion of International Childhood Cancer Day (ICCD).

Comprising of 4 wards and a play arena, multiple hi-tech facilities such as ventilators, 12 channel ECG machine, patient monitor, defibrillator with paediatric paddles, portable ultrasound with echo (shear machine), mobile X-ray with DR unit, 5 function paediatric patient bed, air handling unit with air conditioners, medical gas pipe line system and patient transfer facilities have been provided. Other than the infrastructure



Paediatric Oncology Ward at BBCI inaugurated by MD Mr. S.K. Barua in presence of Director BBCI Dr. A. C. Kataki and senior officials of both the organisations on 15.02.21

and equipment provided for cancer care, the play arena that has been developed will serve to elevate the psychological parameters of children undergoing treatment. The newly inaugurated Paediatric Oncology Ward is expected to facilitate and support children in combating the disease with better treatment and care at BBCI.

CSR News in Pictures



Ambulance handed over to Young Paite Association, Guwahati and SDO- Civil, Bokakhat Sub Division on 19th & 26th March, 2021.



Children Park of Sukafa khetro, Khumtai was inaugurated on 28th February, 2021



Handing over of three tractors to Custom Hiring Centres on 8th March, 2021

CSR News in Pictures



Scouting and trial of players for induction into NRL football Academy was held from 18th February to 16th March, 2021.



Installation & commissioning of Medical equipment at Holy Spirit Hospital, Haflong, Dima Hasao was completed on March, 2021



Livelihood development programme on production of Agarbatti for PWDs on 14th January 2021.



Inauguration of Pandit Hemchandra Goswami Sahitya Sabha Bhawan at Dhekial, Golaghat on 8th January 2021.

Fire & Safety Snippets

Activities Highlights (January - March 2021)

- NRL has been observing Road Safety Week every year. This time a month-long campaign '**National Road Safety Month**' was observed in NRL from 18th January 2021 to 17th February 2021 with a gamut of activities. The theme of this year's observance was, '**Sadak Suraksha- Jeevan Raksha**'.

Activities carried out by Fire & Safety Department during Road Safety Month

- Distribution of T-shirts to POL drivers and pasting of reflective stickers on tankers carried out on 28th January 2021 in NRMT.
- POL driver training conducted on 3rd February 2021 at GUNJAN Hall, Admin Building.
- Awareness on Road Safety was carried out on 12th February 2021 for Township Security.
- Poster making competition was conducted on 13th February 2021 in DPS Numaligarh in two categories:
 - ✓ Class 6th – 8th
 - ✓ Class 9th – 12th
- A Walkathon was organized on 14th February 2021 within the Township premises to create Road Safety Awareness among the residents of NRL Township. The participants carried placards with slogans.

2. Safety Awareness was conducted at CCU on 10th February'2021.
3. ESA-2021 was carried out by OISD from 22nd to 26th February 2021.
4. Along with the rest of the country, 50th National Safety Week was celebrated from 4th March- 10th March 2021 in NRL. The theme of this year was 'Learn from disaster and prepare for a safer future'.

Activities carried out by Fire & Safety Department during Road Safety Month

- On the spot quiz conducted on 4th March 2021 at various control rooms.
- Awareness program at various construction sites including flare area, Bio refinery, warehouse, workshop carried out on 5th March 2021.
- Awareness program conducted at Bholaguri Kamala Miri Higher secondary School on 6th March 2021.
- Display of PPE at Refinery Second gate on 8th March 2021.

- Awareness Program conducted at ASPU on 9th March 2021.
 - Online Safety Quiz conducted on 9th March 2021.
 - Crossword Competition conducted on 10th March 2021.
 - Awareness Program conducted at OM&S on 10th March 2021.
5. ESA-2021 as per MSIHC Rules was carried out by QMS India Limited from 16th to 19th March 2021.
 6. 18th Offsite Disaster Mock drill was conducted on 22nd January 2021 in co-ordination with District Administration, Golaghat.

Photo Gallery

Photo 1	Distribution of T-shirts to POL drivers
Photo 2	Pasting of reflective stickers on tankers
Photo 3	Awareness on Road Safety for Township Security
Photo 4	Walkathon inside NRL Township
Photo 5	Awareness at ASPU
Photo 6, 7, 8, 9	National Safety Week Celebration



Disaster Mock Drill

An offsite industrial disaster Mock drill was organized on 09th February, 2021 at SMT in coordination with Block Development Office, Phansidewa, Siliguri as statutory requirements of OISD 244 guidelines. Disaster Management Dept. of Darjeeling district, Phasidewa Block development office, Phasidewa Block Health Dept, State Fire Services, Civil Defense and State Police Dept. were associated in the Mock drill program.



Flower Show

SMT participated in the Flower competition organized by Horticulture Society, Siliguri and achieved fourteen prizes in different categories.



Sports corner

Inter Departmental 2020-21 Cricket Tournament held

The Inter Departmental 2020-21 Cricket Tournament was held on 6-7 March and 20 – 21 March, 2021 at the NRL Township Main playground.

Results are as follows

1.	Winners Trophy - 'Team C' (F&A/IA/ F&S/ Commercial/NRMT/Mktg & BD/Corporate office (GHY)/HR)
2.	Runners – up - 'Team D' (NRL - CISF)
3.	Man of the Series - Mr. Sandeep Choudhury – CISF
4.	Man of the Match - Mr. Lakhim Gogoi – Team C

Final Match between Team C & Team D was held on 21-03-2021 and prize distribution ceremony was organized immediately after the event.

Chief General Manager (HR) Mr. P.K Talukdar, AC CISF BCPN on tour to NRL Mr.Ashish Jain, DGM (Marketing) Mr. Suman Goswami and DGM(Commercial) Mr. A.N.Choudhury, were present at the prize distribution function and gave away the prizes to players and mementoes to Referees of the Tournament.



Winning team



Runners-up



Man of the series



Man of the match

Photo speak



MD Mr. S K Barua represented NRL at the 41st PSPB Inter Unit Golf Tournament hosted by Oil India Ltd. at Jaypee Greens Golf Resort, Greater Noida on 20-03-2021

Petroleum Minister Shri Dharmendra Pradhan calls for a new paradigm of clean energy; exhorts industry leaders to drive transformation

Union Minister of Petroleum and Natural Gas & Steel Shri Dharmendra Pradhan said on 27th January, 2021 that the Indian Oil and gas sector will play an important role in the making of an Aatmanirbhar Bharat, fulfilling not only domestic requirements but also meeting the global expectations. Speaking at the FIPI Awards 2020 ceremony, he said that we must ensure energy security for our people and provide energy which is affordable, accessible, clean, efficient and sustainable. He said that we shall move towards making petroleum industry a clean energy industry.

The Minister said that there are a few sectors with such multi-faceted talent such as petroleum industry. Petroleum sector has contributed immensely to the nation's development trajectory. "Today's award function is a testimony to the good work being done in the petroleum industry. The sector has made valuable contribution in the nation's development. The sector undertakes maximum capital spending, providing large employment and giving fillip to the economy and garnering revenue for the State. In about one century of journey of the oil and gas industry in the country, the sector has grown by leaps and bound. Despite deregulation and increased competition, the sector is doing exceedingly well. It is producing world class products, doing innovation and R&D, and showing vision."

Shri Pradhan said that India has faced the COVID crisis bravely. Whether it is manufacturing of PPEs, vaccine or delivery of over 14cr free LPG cylinders, India adopted and implemented a multi-

pronged response to the pandemic. During Covid-19, the oil companies led from the front, and helped the country face the pandemic effectively. No shortage of fuel was noted during the period in any part of the country. The distribution of over 14 crore cylinders to the Ujjawala beneficiaries during the period helped the poor who were in dire need of support at that time.

The Minister said that the Petroleum industry is full of people having experience, wisdom and vision. Hon. PM has laid down a roadmap for the energy sector. "Digitalisation, gas-based economy, new and alternative fuels are some of the areas we are focusing. Implementation of Pradhan Mantri UjjwalaYojana, movement towards gas-based economy, and rollout of BS-VI standard has been lauded the world over."

The Minister said that Ethanol blending in petrol has reached over 8%. "We are targeting 20% ethanol blending by 2024-25 which will make India the country with largest ethanol blending in absolute terms." He said that Energy demand in India is set to increase. We must deliberate on how we can move towards greater adoption of clean energy. India must assume leadership in exploration of cleaner forms of energy. Talking about Climate sustainability, he said that India has adopted the renewable energy on a massive scale. He called upon the industry to adopt new technology, new processes and new paradigm so that India's future energy requirements are met mostly from the clean energy sources.

Marketing Snippets

Launch of Mobile Dispensing Vehicles



Change and innovation are a must to survive in today's VUCA i.e. 'Volatile' 'Uncertain' 'Complex' & 'Ambiguous' world and market scenario. Our Company has been constantly trying to innovate and adapt to these uncertainties. In its marketing activities, it is through small innovations that NRL has become the market leader in Paraffin Wax Sales in the country, being the first PSU to export our Wax to more than 40 countries, being the first PSU to export HSD through AH-1 to Myanmar, launch its Food Grade Wax brand 'Pristine' and so on and so forth.

In sync with its constant innovative spirit, our Company has now ventured into the domain of Door-to-Door-Delivery of Diesel by launching its fleet of Mobile Dispensing Vehicles (MDVs) branded 'Photonz.' As Photons are carriers of Energy, so are the Mobile Dispensing Vehicles carriers of Diesel (Energy) to the Doorstep of our valued customers.



GM (Mktg) Mr. Subrata Das handing over registration certificates of MDVs to customers in presence of MD Mr. S K Barua

Marketing Snippets

The Company has tied up with Repos Energy India Pvt. Ltd. a TATA supported startup to provide 02 such Mobile Dispensing Vehicles initially.

In the launch ceremony held on 31st March 2021 at Guwahati, MD, Mr. S K Barua ceremonially launched NRL's fleet of 'Photonz' Mobile Dispensing Vehicles. Along with the launch, customer registration for MDVs was also carried out and the registration certificates were handed over by GM (Mktg.) Mr. Subrata Das.

Speaking at the launch ceremony, MD mentioned that customer satisfaction is of outmost importance at NRL and through the launch and introduction of these MDVs, it is planned to provide the ultimate customer experience through these sophisticated and state-of-the-art mobile bowzers. He added that introduction of the MDVs would help NRL provide assurance of Quality and Quantity to its customers.

Earlier, DGM(Mktg) Mr. Suman Goswami welcomed the guests comprising of customers that would be serviced through MDVs

and senior officials of NRL. Sr. Manager (Marketing) Mr. Eebon Dutta elucidated the salient features of the MDVs, that are fitted with a 6 Kilo Litre capacity tankage with auto Tank Gauging Sensors for real time inventory monitoring. Further, to ensure real time tracking and control of the MDVs, they are retrofitted with Controllers with GPS and Geo Fencing lock that also support over the air updates for speedy changes of operational requirements. Safety being of outmost importance, these MDVs ensure that delivery through the dispensing unit is only possible when MDV is fully stationary and brakes are fully applied, through the interlock mechanism that has been built in. To further enhance customer experience, fuel indenting, billing, etc. can all be done through a mobile application developed by Repos.

In the 1st phase, NRL will be introducing 02 such Mobile Dispensing Vehicles which will cater to customer segments like tea gardens, mobile tower operating companies, agri sectors etc. Subsequently, NRL plans to introduce more such MDVs.



SM (Mktg.) Mr. Eebon Dutta explains about the features of the MDV



MD Mr. S K Barua formally launches the MDVs amidst much fanfare



A group photo taken on the occasion



The MDVs being received at NRMT

Our New Chairman



Mr. Sushil Chandra Mishra, Chairman and Managing Director of Oil India Limited (OIL) and Director on the Board of NRL has taken over as Chairman of NRL w.e.f. 26th March, 2021 after OIL became the Holding Company of NRL on that day.

A BE(Electronics) and MBA(Finance), Mr. Mishra is an accomplished professional with cross-functional domestic and international experience. Mr. Mishra has track record of delivering stretched results. He has over 35 Years of experience in Oil India Limited (OIL), a Government of India enterprise & Navratna company, engaged in Exploration, Development, Production and Transportation of Crude Oil and Natural gas. Having started his professional journey as an Executive Trainee with OIL in 1984, Mr. Mishra developed deep expertise in commercial matters and played a key role in framing and implementing procurement policies & procedures for inventory management, vendor development, framework agreement and its related strategies.

The core experience in operational activities at OIL's Main Producing Area (MPA) in Assam was further complimented while he discharged various responsibilities in diverse functions like ERP, Strategic Planning, E&P Projects, Corporate affairs, managing renewable energy portfolio & business development etc. Mr. Mishra acquired significant Board level exposure at corporate office at the time of launch of OIL's IPO in 2009 and developing the Strategic Plan 2020.

Mr. Mishra also holds a unique distinction of achieving OIL's first ever overseas discovery as operator in Gabon setting a foundation for OIL to carry out extensive exploration & production activities at global landscape for its growth.

Greetings and Felicitations



MD Mr. S K Barua and D(T) Mr. B J Phukan called on Hon'ble Chief Secretary, Govt. of Odisha Shri Suresh Mahapatra at Bhubaneswar on 12th Jan 2021 and briefed him about NRL's upcoming Crude Oil Import Terminal at Paradip and Pipeline Project. They also thanked him for his unstinted support and guidance.



MD Mr. S K Barua greets Hon'ble Union Petroleum Minister, Shri Dharmendra Pradhan upon his arrival at Dibrugarh Airport on 21st February 2021.



MD Mr. S K Barua greets Hon'ble Petroleum Secretary Shri Tarun Kapur upon his arrival at Dibrugarh Airport on 21st February 2021

Atithi Devo Bhava



DATE	NAME & ADDRESS OF THE VISITOR	COMMENTS/SUGGESTIONS
20-3-21	Kiranika G. Vendra New Delhi	Thanking for the excellent service & for your efforts to make my stay comfortable. Vivek P. S.

Congress General Secretary Smt. Priyanka Gandhi Vadra being greeted by DGM(Admin) Mr. Raja Ahmed at River View House where she stayed for the night on 21st March 2021, during her election campaign in Upper Assam

Superannuations



Mr. Gunindra Nath Sarma, CEO Assam Bio Refinery Pvt. Ltd. (ABPRL Pvt. Ltd.) on deputation from NRL superannuated from the services of the Company on 31st December 2020. The NRL and ABRPL family bid adieu to him, at a farewell function held at the Admin Building conference hall, Numaligarh, while recalling his valuable contribution to the organization.



Mr. Dhiraj Kumar Adhikary, Head (Co-ordination) superannuated from the services of the company on 31st March 2021. He joined the company way back in 1994 as an Accounts Officer. Over a span of 26 years in NRL, he served at Guwahati, Numaligarh, Kolkata & Delhi and looked after Finance and Coordination specifically. A formal function was organized at Delhi office to bid him good bye.



Mr. Dipak Chandra Baruah, DGM (Projects), superannuated from the services of the Company on 31st January 2021. A farewell function was organized at the Admin Building Conference hall, Numaligarh which was well-attended by employees across departments.



Mr. Bijit Das, DGM (Marketing) superannuated from the services of the Company on 31st January 2021. He worked in Refinery & SMT in almost all units except DHDT until his posting in Guwahati Marketing Department. He was actively associated in his leisure time in Kaliyani Club and his contributions included formation of 'Kaliyani Band' that now has its footprints in Jorhat and Guwahati.

Ms. Chandana Borthakur, SM (QC) and Coordinator cum President, Forum of Women in Public Sector(WIPS), NRL Chapter, superannuated from the services of the Company on 28th February 2021. Ms. Chandana Borthakur had been Co-ordinator cum President of WIPS, NRL Chapter since 2nd January 2018. A get together was organised by WIPS members on 12th February 2021 to bid farewell to her. Members recalled the contribution of Ms. Borthakur to WIPS, NRL Chapter as well as to the women fraternity of the neighbourhood during her tenure.

Superannuations



Mr. Ranjit Kr Das, Tech. Assistant Electrical-Operation Deptt., superannuated from the services of the Company on 31st January 2021 after rendering his services for 22 years at our Company. A farewell meeting was held in his honour at NRMT sub-station by electrical Operation/Maintenance department.

We wish all the superannuated employees good health and a fulfilling second innings



Achievement



Mr. Biplab Kr. Barman Sr. Manager, SMT achieved 3rd rank in the 'Geet Gayan Pratiyogita' organized by Nagar Rastrabhasa Kayarabadhan Samiti, Siliguri



From the Archives



The Story of NRL –XVIII

The journey of NRL comprehensively covered by one of the pioneers of the Company



Dipak Chakravarty
Former MD, NRL

Four major project activities were in various stages of progress during the years 2010 to 2011. The Wax project had taken shape as the procurement activities for long delivery equipments and awarding of large contracts reached the final stage. Progressively carrying out detailed engineering activities helped taking up the above activities much in advance. Site activities also picked up with starting of piling and foundation works. Some of the major facilities and equipments needed for the project were tanks for feed, intermediates and product wax, utilities and offsite facilities, a Blast Proof Control Room, Solvent De-Oiling Unit, Wax Hydro-finishing Unit, Vacuum Filtration Unit, Inert Gas Compressor, Wax Slab making Unit, Automatic Packaging Unit, Wax storage Godown etc. Detailed Engineering of all the equipments and facilities except the Wax Hydro-finishing Unit was done by EIL. Technical inputs for the Wax De-Oiling Unit was provided by IIP. The licensed technology for the hydro-finishing Unit was provided by M/S AXENS, France. The Inert Gas Compressor system and the slab making & packaging units were imported from China. As mentioned in my earlier article, the technology was jointly developed by IIP, EIL and NRL which was being implemented at Numaligarh Refinery.

Product supplies from Numaligarh to Bangladesh by Brahmaputra river-ways had commenced under the Indo-Bangla Protocol for use of River Brahmaputra as a major Waterway between India and Bangladesh. Declaration of Silghat, located at a distance of 80 KM from Numaligarh as a Port of Call, instead of Dhubri by Govt. of Assam helped in logistics management. This enabled unloading of products from tank lorries directly into the waiting flat bottomed barge at Silghat. Around 4500 KL of Diesel in three shipments were despatched through waterway on experimental basis. Due to very long travel time (more than a month), absence of night navigation facilities and pricing issues, the operation however could not be sustained and therefore was discontinued in 2010. As an alternative, it was at that point in time mooted to set up a pipeline from Siliguri Marketing Terminal, located

at a distance of around 8KM from the Indo-Bangla Boarder in West Bengal to Parbatipur, in Bangladesh located at a distance of around 180 KMS from the border. The development in this regard will be discussed later.

With a view to liberalise the Oil Sector and to encourage competitiveness, GOI had taken the policy initiative to allow both Private and Public Sector Enterprises, having a capital investment of Rs 2000 Crore and above to set up Retail Outlets for sale of petroleum products. Taking advantage of this policy, many private sector companies like Reliance Industries, Shell, Essar Oil etc. came forward to set up Petroleum Retail Outlets in various parts of the country. As sustenance and growth

of the organisation is the philosophy adapted by NRL, it was decided to foray into Retail Marketing by setting up its own retail network through which NRL's own products could be reached directly to the consumers. Accordingly, NRL obtained license to set up 510 outlets within and outside North East. It was strategically decided to set up ROs at all states of the North East and in areas outside North East contiguous to NRL's product movement. Accordingly, besides NE States, West



Township and Estate office

Bengal, Odisha, Bihar, Andhra Pradesh and Rajasthan were identified for setting up the 510 ROs in phases. A separate Marketing Wing was set up with dedicated groups to expedite process of land acquisition, selection of Dealers, obtaining required permissions from NHAI and various Govt. and Statutory Authorities. A Marketing Head Office was set up at Guwahati. For carrying out activities related to setting of ROs outside North East, existing Delhi and Kolkata offices were strengthened with additional manpower. Recruitment drive was also carried out for inducting new officers. It was a pleasure to notice coming up of ROs with state-of-the-art eye catching Canopies prominently displaying striking NRL Logo at various towns, NH/State Highways across Northeast and select locations in other states of the country, within a short span of time. The first NRL Outlet was inaugurated by the then Chairman BPCL & NRL Shri S.Behuria near Kaziranga National Park on NH 37. With commitment and dedication

of all involved officers and Staff and an astute Management, 118 ROs were made operational by end 2010. With its own quality MS and HSD, consumer friendly facilities, well trained dealers and staff; NRL ROs were able to attract consumers and compete with the Oil Marketing Companies and also with new entrants and carved a niche in Petroleum Retail business of the country.

With changing Global geo-political environment, crude and products prices experienced large fluctuation and instability within the country and also globally. Further, business of retail marketing in India faced economic challenges due mainly to prevailing policy on subsidy of petroleum products. The retail business started incurring huge losses which made it unsustainable. However, GOI helped the PSU Oil Marketing Companies, to make up their losses through policy initiatives. The new private operators including NRL had to absorb the losses as the status of an OMC was not granted to them. Profitability of NRL started getting affected, as under recovery on account of sale of MS and HSD, through the newly commissioned ROs, had become increasingly higher and touched a level of around Rs. 200 Crore a month by end of the financial year 2010-11. Under the circumstances It was getting increasingly difficult to sustain the Retail Business. In fact the new players started to reduce their retail activities and many of them had drawn shutters. There were suggestions from various quarters including our Staff and Officers to discontinue with the Marketing activities as it started hitting the bottom line. Since huge efforts were put to set up its own retail identity it was considered prudent to take a wait and watch policy with the hope that the situation would soon improve and the retail business would come on track again.

After implementation of the DQUP project, the Refinery operations started showing improvements in terms of capacity utilisation, energy efficiency, product quality etc. By June 2010, NRL was able to produce both Euro-IV MS and HSD.

Various systems and procedures were upgraded in the Refinery and across the Organisation. The NABL certification for the Laboratory and also ISO certification for the SMT also were obtained. Meanwhile, SAP implementation at SMT was also completed.

Various initiatives and projects were also taken up for improvement and development of the Township. A new sports ground was developed near to the Kaliyani Club. In place of the old Township office, a new office designed by late Shri J.N. Saikia was constructed. To increase housing satisfaction amongst the staff and officers, few flats were constructed keeping in harmony with the existing buildings. Some of the old accommodations like A-type quarters, Old bachelors' hostel etc. were modified. A swimming pool in the Staff Club Rangchali, was constructed. The DPS, VKNRL Hospital, Kaliyani Club saw improvements in infrastructure and other facilities. To provide appropriate accommodation to Officers and Staff of Siliguri Marketing Terminal, flats were purchased

at the new modern Township Uttarayan at Siliguri. A guest house and Club facilities in the form of Teesta Club also came up at Siliguri.

Since commissioning in 1999, with a configuration capable of producing pre-BS-II Diesel, LPG, Kerosene, Coke and Sulphur NRL had travelled a decade gathering huge individual and collective experiences. By 2010, the Refinery became capable of producing both Bharat Stage -IV MS, and Diesel and added ATF and Calcined Coke in its product slate. After commissioning of the Refinery, NRL had completed several projects like Coke Calcination plant, MS plant, High Pressure Gas Pipeline, Revamping and expansion of Hydrocracker and Hydrogen Unit. It kept itself at the technological forefront, practised strong safety culture, and remained concerned about environment protection. Above all, it upgraded knowledge and skill of each employees.

NRL as a company kept sustainability and growth as its prime objective. This resulted in making the Refinery as one of best Refineries in the country in terms of technology, product quality, energy utilisation & conservation and environmental protection. From initial activities of direct marketing of products, it forayed into Retail Marketing. It had continuously upgraded management tools by adopting ERP system, ISO and ISRS Systems, continued its effort to upgrade human skills by providing appropriate and advanced training, kept motivated its workforce with timely upgradation of compensation and welfare measures. NRL had been able to keep its stake holders satisfied with its all round performance. NRL had always been responsive towards the need of the community. Community Development Projects/activities were identified and implemented through structured CSR Policy guidelines. The surrounding population was nurtured with care by providing direct and indirect engagements. The VKNRL Hospital continued to provide medical help to the neighbouring population. Efforts were directed towards improvements in education and Sports facilities, improvement and development in infrastructure in terms of construction of village roads and bridges etc. Emphasis was also laid towards income generation of local population through agricultural and allied activities.

NRL had always been fortunate to witness many stalwarts of the Industry joining at the Board level at different point in time. One such stalwart was Dr. Bhupati Kumar Das who joined at the critical and early stage of the Company on 3rd Jan 1996 as the first Director (Finance) relinquishing his position as GM(Finance) at IOC(AOD). Sri Das continued as DF, MD in-charge and MD for long 16 Years and served as the Managing Director for long 9 years and superannuated on 31st March 2011. I am sure, he will always be fondly remembered for guiding NRL in all its endeavours and for his contributions for sustenance and growth of NRL. I was privileged to take over the baton for managing NRL activities on 1st April 2011 as the Managing Director.

To be contd....

Inauguration of new Club Bar

The newly renovated bar of Kaliyani Club was inaugurated on 27th of January 2021 by MD, Mr. S. K. Barua. The Club Executive Committee also offered inaugural discount of 50% on all beverages as an attraction for Kaliyanites.



Farewell of Mr. Dipak Chandra Barua

Kaliyani Club gave a warm farewell to Mr. Dipak Chandra Barua on 30th of January 2021 on his superannuation from the services of the company. He was felicitated with Lifetime membership of Kaliyani Club. A Cultural program was also organized where noted artist Mr. Pritam Dey from Jorhat mesmerized the audience with his melodious songs. The evening concluded with dinner.



Kaliyani Club Tennis Ball Cricket Tournament

The much awaited Kaliyani Club Tennis Ball Cricket Tournament was held from 11th - 14th February' 2021 at NRL main playground. Almost 60 employees in the Men's category across four teams- *Spartan Strikers*, *Brutal Batters*, *The Blue Monsters* and *The Giant Slayers* played in the league matches to the delight of the cheering crowds.

Just like in 2020, this year too the ladies of NRL came forward to display their cricketing skills in Kaliyani Club Tennis Ball Cricket Tournament. About



Club News - Kaliyani Club

35 ladies across three teams- *Queens of the Boundary*, *Ravishing Willows* and *Ball Burners* played with great enthusiasm.

The Men's Cricket grand finale was played between *Spartan Strikers* led by Mr. Chinmoy Deka and *Brutal Batters* led by Mr. Raju Chetia and the Women's Cricket grand finale was played between *Queens of the Boundary* led by Ms. Mansi Motwani and *Ravishing Willows* led by Mrs. Puja

Singh which generated huge excitement in the spectators present in the ground.

Brutal Batters team proved invincible by defeating *Spartan Strikers* and on the other hand *Ravishing Willows* thrashed *Queens of the Boundary* in the exciting finales and lifted the Winning trophies. Mr. Sankar Jyoti Das and Ms. Mansi Motwani were adjudged Man and Woman of the Series respectively.

Members Nite 2021 celebrations

As a prelude to the Kaliyani Club Meet 2021, Members' Nite was celebrated on 20th of February, 2021. Members of Kaliyani Club were given an opportunity to showcase their talents in singing, dancing and playing musical instruments. An entertaining short skit on the ongoing Covid-19 scenario was also performed by some of the members.



Kaliyani Club Meet 2021 celebrated with zest

The much awaited flagship event of Kaliyani Club, 'Club Meet 2021' themed EUPHORIA was celebrated with fun and merriment from 26th to 28th February 2021.

The three daylong event was declared open by the hoisting of the Kaliyani Club flag in the presence of the club members and senior officials on the evening of 26th February 2021 by DF NRL Mr. Indranil Mittra. Kids also performed a beautiful dance which



was a treat to the eyes of the gathering on the opening ceremony.

Bearing a euphoric look, Kaliyani Club was ready for the very first day of the Club Meet, i.e Indian Nite on 26th February evening. The evening started with the lighting of the ceremonial lamp by senior officials and cake cutting which was followed by the release of the 'Romanthan'. The same was followed by an exceptionally captivating and entertaining musical performance by renowned Bollywood singer Prajakta Shukre.

Gearing up for the second day of the Club Meet, i.e Western Nite on 25th February 2021, the evening started off with fun and games amongst the members. Popular band 'Late

Too Soon' enthralled the club members with their foot tapping numbers keeping everyone busy on the dance floor. Prizes and surprise gifts were also distributed among the members.

On the last day of Club Meet, i.e 28th February 2021, a Jam Session was organized for the children followed by the Tambola session and prize distribution ceremony for the various sports events conducted during Club meet. An outdoor unplugged musical session by Anisha Saikia was also organized which amazed the club members making them groove on the songs sung. Gala Lunch was also arranged complementing a rejuvenating and harmonic atmosphere. Club Meet 2021 was finally declared closed by lowering of the Kaliyani Club flag.

Inauguration of Tennis Ball Launcher

Kaliyani Club recently procured a Tennis Ball Launcher Machine named 'Slinger Grand Slam Pack' for benefit of members and children availing Tennis facilities. The same was inaugurated by DT NRL, Mr. Bhaskar Jyoti Phukan on 25th of February 2021.



'Slinger Grand Slam Pack' Ball Launcher allows Tennis players to excel in the game without being dependent on

anyone. Ball machines transform the game as one spends more and more time in practice. Ball machines give the same advantage in practice session to the novice as compared to the professional player.

Slinger Grand Slam Pack comes with range of feature. It can be programmed to conduct drilling for the longer time duration that can challenge the endurance and stamina of players. Players can indulge themselves for the preparation of the toughest and tiresome practice sessions.

Inauguration of Table Tennis Robot

Kaliyani Club recently procured a Table Tennis Training Robot. The same was inaugurated by our MD NRL, Mr. S. K. Barua on 12th of March 2021.

This robot allows players to excel in the game without being dependent on anyone. Table Tennis Training robot can help players work and improve their stroke play.

It also makes the game more accessible and entertaining, especially for children. They can start at lower speeds and then go step by step excelling at a different pace and spin levels.

The speed of the machine can be set according to the capability of the player to let him/her excel in that particular routine.

A table tennis robot throws the balls with the same speed and spins every single time, which makes player repeat the same routine again and again and thus helps in excelling the weak strokes. It comes with range of features.



CSR activities undertaken by KCEC-2019-20

As a part of the CSR initiatives undertaken by Kaliyani Club, KCEC-2019-20 extended its helping hand by giving donations to Amar Old Age Home, Golaghat, Children

Home Orphanage, Bokakhat, Upper Assam Handicap School, Bokakhat and Sankardev Sanskritik Kendra, NRL Township on the 26th of March '2021.



Holi Celebrations

Holi, the festival of colours was celebrated by Kaliyanites with much merriment on 29th of March, 2021 at mini playground. Members extended Holi greetings to each other and played with a variety of colours. Special Holi snacks and drinks were served on the occasion. DJ too enthralled the Club members by playing Holi dance numbers.



Farewell of Mr. Gunin Sarma and Mrs. Chandana Borthakur

The Farewell function of Mr. Gunin Sarma and Mrs. Chandana Borthakur was held on 31st of March 2021. Both were felicitated with memento and conferred 'Lifetime Membership' of Kaliyani Club. The program was followed by a soulful Sattriya dance performance by Dikimoni Bahek from Bokakhat and renowned singer Aman Ahmed along with co-singer Farjina Noorin from Dergaon entertained the club members by singing the melodious songs of the Golden era. The evening concluded with dinner.



Rangchali Club welcomes Bhogali Bihu with fervour

Bhogali Bihu, the joyous harvest festival of Assam was celebrated on 14-01-2021 at the Club premises, celebration with the traditional *meji prajwalan* which was followed by serving of Bihu delicacies.



Farewell to Mr. Ranjit Das

A warm and befitting farewell function was hosted by Rangchali club in honour of Mr Ranjit Das on 25th February' 21 in the club premises upon his superannuation from the company on 28th February 2021.



Saraswati puja celebration

Rangchali Club members paid obeisance to the Goddess of learning on the occasion of Saraswati Puja on 16th February 2021. Members offered Puja to the goddess and sought her blessings. Members and families took part in this program which included Pushpanjali, Prasad Vitaran and Bhog vitaran.



Seven a side day night tennis ball cricket tournament

Rangchali Club organised seven a side tennis ball cricket tournament among the members from 26th to 28th March 2021 at the NRL main playground. Many teams joined in this tournament to make it grand success.



Assam State Equestrian Championship and DPS Numaligarh Horse Show 2021

Assam State Equestrian Championships was conducted with much gusto at Delhi Public School, Numaligarh from 12th to 14th March 2021. The event saw various competitions being held including Show Jumping, Hacks, Topscore, Dressage and Tent Pegging for both Juniors and Open categories.

The riders put up a spirited display throughout the first two days. The show was stolen by the riders of the Equestrian Federation of Assam who won most of the medals for the senior competitions.

Special mention is to be made of Mr. Nammair Ahmed of the Equestrian Federation of Assam (EFA) who won the *Senior Dressage and Open Show Jumping competitions*. Mr. Angad Singh Sekhon riding for the NCC and the EFA put up a feisty performance in the *Senior Tent Pegging competition and the Topscore*, winning both events.

In the juniors events, Mr. Arjun Aryan Chaliha and Mr. Kavya Bagrodia riding for the NCC and the EFA swept the

prizes for the *Junior Jumping and Junior Dressage events*.

Earlier, the Opening Ceremony was organized with much fanfare with Lt. Gen. RP Kalita officiating as the Chief Guest and Maj. Gen. A. Bhuyan officiating as the Guest of Honour in presence of MD NRL, Mr. S K Barua.



Investiture Ceremony 2020

The Student Council of Delhi Public School, Numaligarh, gives the deserving students a fair chance to have an experience of managing the school activities and come face to face with the real life problems. The student council delegates the responsibility and the accountability chain from the top till the very bottom. The purpose of this council is to give students an opportunity to develop their leadership, communication and inter-personnel skills.

When it comes to the effective functioning and continued success of a school, one of the most valuable roles is, undoubtedly, played by the students. The involvement of

students in the operation of a school is a crucial part of their learning and educational process. Through a well-functioning student council in our midst, we aim to teach our students their duties and responsibilities towards their esteemed institution. After all, understanding the need for maintaining the perfect balance between rights and responsibilities cannot be taught in classrooms. It has to be imbibed and accepted through experiential learning.

The Student Council at DPS Numaligarh consists of the School Head Boy, Head Girl at the top followed by the Vice-Head Boy and Vice Head Girl. To support the various activities of the

school we have the Cultural Secretary and Assistant Cultural Secretary and also the two Sports Captains and individual Prefects from each class.

On 2nd October 2020 Delhi Public School Numaligarh organized the first virtual Investiture Ceremony. Through this virtual ceremony twenty-one students from across classes

were appointed to the School Student Council for the academic session 2020-2021. In this virtual ceremony the names of the council members and their portfolios were announced and then the members took the pledge to live by the school motto "service before self".

School Prefectorial Board

Head Boy	Monuj Boraik	XII-A
Head Girl	Sikmik Bora	XII-B
Student on special duty	Sanjivani Pandey	XII-B
Vice Head Boy	Arunav Hajowari	XI-A
Vice Head Girl	Parangeeta Sonowal	XI-A
Sports Captain Boy	Arpit Borah	XII-B

Sports Captain Girl	Aayushree Jay Sarma	XII-B
Vice-Sports Captain Boy	Mriganka Thengal	XI-A
Vice-Sports Captain Girl	Diksha Konwar	XI-A
Cultural Secretary	Anwesha Gogoi (NRL)	XII-B
Vice-Cultural Secretary	Ananya Kashyap	XI-B

Vigilance Awareness Week

As per the Central Vigilance Commission's directive under the guidance of NRL, the Vigilance Awareness Week was celebrated from 27th October to 2nd November 2020 with the theme- 'Satark Bharat, Samriddh Bharat (Vigilant India, Prosperous India)' was organized in DPS Numaligarh. To create vigilance awareness among the young Indians a few online activities for the students were conducted. Students from Classes VI- XI participated in these activities.

VAW Activities

Slogan writing competition for Classes-VI & VII

Theme- Satark Bharat, Samriddh Bharat (Vigilant India, Prosperous India)

Essay writing competition for Class-VIII & IX

Theme- Satark Bharat, Samriddh Bharat (Vigilant India, Prosperous India)

Inter-House Debate Competition for Classes X & XI

Topic- 'Collective fight against corruption in India --a distant dream'

Republic Day Celebrations

Amid all covid protocols and precautions the school celebrated the 72nd Republic Day by unfurling the tricolor in the school premises by Principal DPS Numaligarh Mr. U.C. Harbola, which was followed by the singing of the national anthem by the teachers and students alike. Principal DPS Numaligarh delivered his ceremonial speech, in which he spoke about the pandemic and how the teaching community and students have fought back.

A short cultural programme was also held to mark the occasion following all covid protocols. Mr. Kulamami Das PGT Economics spoke on the occasion and stressed on the strength of unity and moving together as a team. The programme was attended by students, teachers and the support staff.

In the afternoon a friendly cricket match was also held between students of class XI and Teachers XI.



Picture Speak



Celebration of Republic Day



Celebration of Universal Brotherhood Day on 12.01.2021



Vaccination drive against Covid 19 at VKNRL Hospital on 25th January 2021 where all health workers were vaccinated

Screen Time Guidelines for Parents

Dr. Dwijendra Mili, MD
Consultant, Paediatrics



Screen Time: Screen time is the total time spent per day in viewing screens such as mobile phone, TV, computer, tablet, or any hand-held or visual device. Screens have become an essential part of our life. Parents, teachers, and health professionals are concerned about the increase in children's screen time. Just like the balanced food that we eat, screens need to be properly chosen and to be consumed in the right quantity and at the right time. The way we use the screens determines whether it is healthy or unhealthy. Screen time spent for educational or prosocial activities such as schoolwork, interacting with friends and relatives, and creating art or music or relaxation is termed positive or healthy, while watching inappropriate TV shows, visiting unsafe websites, or playing violent video games are few examples of negative or unhealthy screen time.

Limit of screen time:

- Children below the age of 2 years should not be exposed to any type of screen with the exception of occasional video call with relatives.
- Screen time for children between the age of 2 and 5 years should not exceed 1 hour; the lesser, the better.
- For older children and adolescents, it is important to balance screen time with other activities that are required for overall development. These activities include an hour of physical activity (play time), adequate duration of sleep (recommended sleep time varies with age, for example, adolescents require 8–9 hours of uninterrupted sleep at night), and time for schoolwork, meals, hobbies, and family time. If any of these activities is displaced due to screen use, then it is called excessive screen time and it should be reduced.

Ill effects of excessive screen time on child:

- **Physical health:** Obesity, disturbed sleep, headache, eye strain, neck, back, and wrist pains
- **Mental health:** Delayed speech, hyperactivity, aggression, violence, desire for instant gratification, poor concentration, FOMO (fear of missing out), FOBO (fear of being left out), cyberbullying, media addiction, distorted perception of sex by exposure to pornography, drug use, self-harm, anxiety, and depression

- **Social:** Reduced socialization and social anxiety
- **Scholastic:** Decreased academic performance

All children seem to be using the screens nowadays - Are there any benefits of the digital devices?

When screens are used in moderation in a balanced and healthy way, they have many benefits:

- Encourage learning and knowledge
- Act as a tool for communicating with friends and family and promote social interaction
- Healthy co-viewing and co-playing using digital platforms improve child and parent bonding, recreation, and relaxation.
- Smartphone Apps such as Saathiya, Calm, and digital platforms such as NIMHANS online yoga class encourage kids to adopt healthy behaviours and kindle device promotes reading
- Channels like YouTube and blogging platforms give opportunities to children to display their talents
- Customized computer programs can improve social behaviour in children with autism and study skills in children with learning problems.

What is the right age to introduce computer, mobile, and television for your child?

For children <2 years, social interaction is required for healthy brain development. Use of digital devices in this age group can result in delayed speech, hyperactivity, and poor social skills. Hence, screens should be avoided for children <2 years. At 2 years, you can introduce digital devices such as computer and television but you should view the screens along with the children and prefer educative interactive programs for a short duration of time. Adolescents can be given ordinary mobile phones and preferably not smartphones mainly to maintain contact with you when they are outside home. Older children and adolescents may be allowed for the use of smartphones for educational and recreational purposes under parental monitoring for limited duration.

Children waste a lot of time on Facebook, WhatsApp, Snapchat, Twitter, and Instagram. They even interact with strangers there. Should children be allowed on social media? What is the right age to use social media?

Social interaction is vital for a child's healthy development. Social media are online platforms that are used by children and adolescents to connect with friends and family, share media content, and form social networks. Some of the popular platforms include Facebook, Twitter, WhatsApp, Instagram, Skype, YouTube, and Snapchat. In recent time, online multiplayer games, such as PUBG and Clash of Clans, are becoming important social media spaces for young people, where they connect with other gamers and chat while playing

Advantages of Social Media	Disadvantages of Social Media
• Fosters a sense of connection and belonging especially for shy children who are hesitant to interact with others in person • Promotes collaborative learning through sharing of online educational material and creativity through graphics and videos showcasing talents and achievements of young people • Serves as a social support platform for children with chronic diseases and their parents, e.g., with thalassemia, diabetes mellitus, and rare diseases • Gives a platform for advocacy to young people, e.g., for climate change and child rights	• Exposure to inappropriate content such as pornographic websites and fake news • Social media anxiety when the children get anxious and assess their self-worth by the number of "likes" or positive responses that they get on their posts • Indulging in risky online behaviour such as forming friendships with sexual predators • Cyberbullying that is repeated intentional posting of demeaning and derogatory posts and/or pictures • Sexting that is posting of sexually explicit material on chatting platforms • Exposure to targeted advertising and marketing • Breach of privacy results when the child posts personal details, revealing pictures, details of bank accounts, and credit cards online

Children and young adolescents are not mentally ready-to-use social platforms, as it is difficult for them to analyze the pros and cons of social media. Hence, it is best avoided in this age group. Various platforms have mentioned the permissible age of use as given in the table below.

The permissible age of use of various platforms

Social media platform	Minimum permissible age
Facebook, Twitter, Snapchat, Instagram, and Google Plus	13 years
WhatsApp	16 years
YouTube	18 years 13–18 years, require parental permission
PUBG	18 years For 13–18 years, restricted play time Less than 13 years and need parental permission
Clash of Clans	13 years

Before allowing children to use a social media platform or a video game, you should familiarize yourselves with it, and analyse whether it is appropriate for age. Also, listen to your children about their reasons for using the social media site and educate them about rules of online safety.

How can you make your children follow good online manners? What should you do when others post messages that hurt your child?

You should talk to children regarding good manners before permitting them to use gadgets and make them responsible digital citizens. You must formulate clear rules about the online content, i.e., Apps, social media sites, and games that they are allowed to access and their duration. A few good online manners are:

- Follow the golden rule of interpersonal relationships; treat others, as you want yourself to be treated. Never post hurtful messages. Disagree politely
- Use the right language for communication. Avoid the use of swear words. Do not use all caps while typing, as it implies that you are screaming
- Do not post private information such as home address and passwords
- Respect the copyright laws and do not download or copy without permission
- Think before you type, post, and share to check, if it is true, kind, and legal. Before posting a picture, discuss with a parent. Do not post inappropriate material. Anything posted online cannot be erased permanently, as it leaves a digital footprint.
- Never meet a digital friend in person alone whom you have never met before
- Make internet a safe place by reporting online misbehaviour to trustworthy adults
- During online schooling, maintain the decorum of the class, wear proper attire, and follow the instructions of the teachers

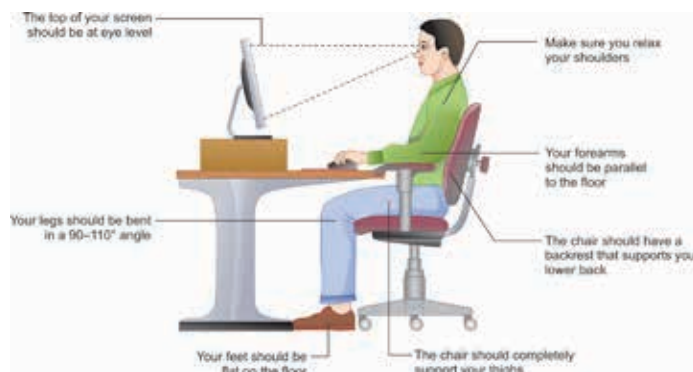
If others repeatedly post hurtful or inappropriate messages to your child, follow these steps:

- Reassure your child that you love him/her and will help
- Ask the child to take a break from the online world
- Block the sender
- Do not respond to the hurtful message
- Save the message to enable reporting
- If you know the bully, try talking to the parents
- Contact the school teacher to inquire about bullying in school. Most schools have antibullying policies
- Try contacting the digital platform provider to block and report the bully. If bullying does not stop, report to the cyber police

How can you motivate your child to use media in a healthy way?

Children feel secure when boundaries and rules are laid down for behaviour. You should formulate “digital rules” to encourage healthy media usage when your child begins to use a digital device. These should be age appropriate and new rules could be added as the child becomes older. A few rules for maintaining “digital hygiene” are:

- Ensure a warm, nurturing, supportive, fun-filled, and secure environment at home. Children follow rules, if they are guided in a respectful and empathetic manner. Do not use a screen for calming or distracting a child.
- Balance screen time with adequate time for sleep, physical activity, study, family, meals, and hobby time. Screens should be switched off 1 hour before bedtime, as blue light emitted from devices disturbs sleep.
- The correct posture to be adopted while sitting in front of the computer and the mobile phone is shown in the figures below, respectively. To reduce eyestrain and dryness of eyes, it is important to follow 20-20-20 rule as outlined in the figure below.
- Avoid multitasking. While doing offline homework, all digital devices should be switched off.
- Keep children safe by co-viewing and monitoring the online content and interactions. Avoid programs and games with violent content. Also, ensure proper privacy settings on the computer, safe search engines on browsers and



Correct posture while using desktop or laptop.

apps, and anti-virus software. For young children, install protective software to restrict access to inappropriate websites.

- Encourage the use of media for educational purposes and promote physical activity and offline creative games for recreation. Use “teachable moments” on the media to convey family values, healthy lifestyle, and interpret media messages. For example, irresponsible sexual behaviour leading to unwanted pregnancy can be talked about while co-viewing serials showing casual sexual encounters between teens.
- Mark digital free zones such as bedroom, dining table, kitchen, bathroom, and motorized vehicles where no family member uses a gadget.
- Decide upon a digital fasting time when no family member uses any device and utilizes that time for family bonding.
- You should role model healthy media use and formulate a family media usage plan.

How will you know that your child is addicted to media? Can media addiction be cured?

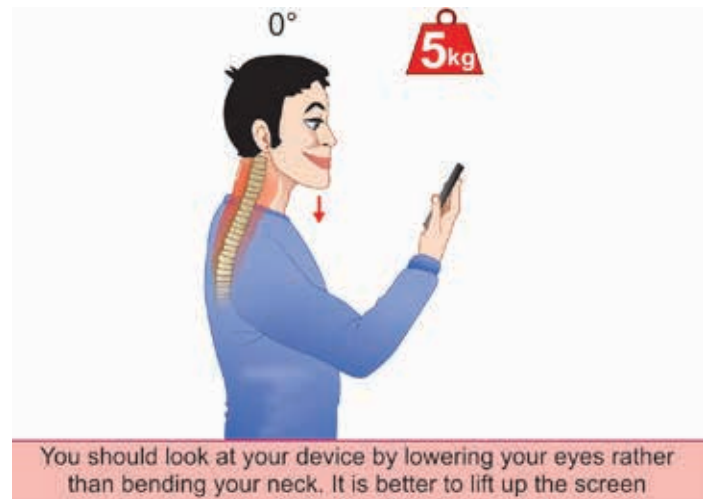
Unhealthy use of media can lead to addiction. Internet gaming addiction is a mental disorder. If your child compulsively uses media, craves for it, has lost control over its usage, gets violent when asked to stop its use, and continues to use despite adverse consequences such as fall in academic performance and loss of friendships, he is probably addicted to it. Media addiction may be associated with other disorders such as attention deficit hyperactivity disorder (ADHD), depression, and anxiety. Media addiction can be treated by consulting mental health professionals. When you find one or more flag signs given above, do consult with your paediatrician or a mental health professional at the earliest.

Does your screen time have an effect on your child?

Your screen time does have an effect on your child. Children learn best when parents demonstrate what they have “to do” rather than just “say it”. Your children will follow healthy use, if you role model digital hygiene and responsible digital citizenship. If you use screens excessively, your time for social interaction with your child decreases and this has a negative effect on child development.

Key points to remember

- Screen time is the total time spent per day in viewing screens such as mobile phone, TV, computer, tablet, or any hand-held or visual device.
- If any of the essential activities such as sleep, physical activity, study, family, meal, and hobby times is displaced due to screen time, then it is called excessive screen time and it should be reduced.
- Avoid the use of digital devices in children <2 years.
- Healthy media usage promotes learning, creativity, social interaction, and holistic wellness.
- Unhealthy media usage affects physical, psychological, social, and academic wellbeing of a child.
- Implement digital rules, digital hygiene, and nurture responsible digital citizenship.
- Consult a mental health professional at the earliest on detecting flag signs of media addiction.
- Act as a role model for healthy media use.



Correct posture while using mobile phone.



20-20-20 rule to reduce computer vision syndrome



Source: Auspices of the IAP Action Plan 2020–2021

Hon'ble Union Minister of Petroleum & Natural Gas and Steel visits BCPL



Hon'ble Union Minister for Petroleum & Natural Gas and Steel Shri Dharmendra Pradhan visited BCPL on 21st February 2021. Shri Pradhan also met the Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal in BCPL Dibrugarh.

Shri Pradhan interacted with all senior officials of MoPNG, all CMDs of PSUs under the administrative control of MoPNG. During the interaction with the senior officials of MoPNG and Oil PSUs, many valuable suggestions were given for improvement of gas availability in the North East region, establishment of downstream industries for development of the region as well as employment opportunities for local youths and also programmes to be taken up under skill development for the youth of the region.



14th Foundation Day of BCPL Celebrated



Employees who completed ten years of service in BCPL were felicitated on the occasion of 14th Foundation Day of BCPL. Activities like a cultural procession, inauguration of wall art at main entrance depicting history of rich art and culture of Assam, inauguration of the first issue of



BCPL house journal SRIJAN, knowledge sharing session with Shri Uddhab Bharali, renowned Indian inventor from Lakhimpur District of Assam were also organized to mark the occasion.

International Women's Day 2021 celebrated at BCPL

Women employees of BCPL handing over a customized wheel chair to Ms. Sulakshana Kaushik, a resident of Dibrugarh and a teacher by profession who is associated with Prerona Pratibandhi Dibrugarh, an NGO working for disabled persons. The wheel chair is designed by Padmashree awardee Shri Uddhab Bharali.



MD BCPL conferred with CEO with HR Orientation Award

Mr. Reep Hazarika, Managing Director, BCPL was conferred with 'CEO with HR Orientation Award' at Global HR Excellence Awards Ceremony 2021 organized by the World HRD Congress at Mumbai on 16th February 2021. The award was given to recognize and honour visionary CEOs and their priceless contribution in HR field.

Shri Asit Das, General Manager (HR) BCPL also received the sustainable HR leaders award in the CPSE category.

BCPL recognized as the most Environment friendly company in Petrochemicals

BCPL won FICCI Chemicals and Petrochemicals Award 2021 in the category of Most Environment Friendly Company. The award was received by Shri Reep Hazarika, Managing Director, BCPL from Shri Mansukh L Mandaviya, Hon'ble Minister of State (Independent Charge), Ministry of Ports, Shipping and Waterways & Minister of State, Ministry of Chemicals & Fertilizers at the India Chem 2021 conference held at New Delhi on 17th March 2021.



BCPL Employees participate in Cyclothon organized as part of SAKSHAM-2021

BCPL celebrated Sanrakshan Kshamta Mahotsav 'SAKSHAM-2021', from 16th January to 15th February 2021, in line with the guidelines of Petroleum Conservation Research Association (PCRA), under Ministry of Petroleum & Natural Gas, Government of India. Various programmes such as awareness drive, workshop for drivers, plantation drive and cycle rally were organized to mark the occasion.



नुमालीगढ़ कॉर्पोरेट कार्यालय में एक दिवसीय हिंदी कार्यशाला संपन्न

दिनांक 24 फरवरी, 2021 को कॉर्पोरेट कार्यालय, गुवाहाटी में एक दिवसीय हिंदी कार्यशाला का आयोजन किया गया जिसका उद्घाटन श्री राजीव भट्टाचार्य, उप महाप्रबंधक(मानव संसाधन), कॉर्पोरेट कार्यालय द्वारा किया गया। कार्यशाला का विषय प्रथम सत्र में 'डिजिटल भारत और हिंदी' और द्वितीय सत्र में 'सरल हिंदी में सरकारी कामकाज' था। उद्घाटन सत्र में उप महाप्रबंधक(मानव संसाधन) श्री भट्टाचार्य ने राजभाषा हिंदी के प्रचार-प्रसार को तकनीकी प्रयोग से जोड़ते हुए इसे हिंदी कार्यान्वयन की प्रगति के एक अहम स्रोत के रूप में परिभाषित किया। उन्होंने आज के तकनीकी युग में मशीनी प्रयोग और अनुवाद टूल्स की प्रासंगिकता पर विशेष बल दिया। साथ में कार्यालयीन कामकाज में सरल हिंदी के प्रयोग पर जोर देते हुए कहा कि शब्दों का चयन ऐसा होना चाहिए जो सामान्य लोग भी इसे आसानी से समझ सकें। कार्यशाला हेतु आमंत्रित संकाय सदस्य कर्मचारी राजय बीमा निगम के वरिष्ठ अनुवाद अधिकारी श्री मनोज

कुमार ने 'डिजिटल भारत और हिंदी' विषय पर स्लाइड प्रस्तुतीकरण द्वारा कंप्यूटर में उपलब्ध टूल्स और राजभाषा विभाग, गृह मंत्रालय द्वारा विकसित हिंदी अनुवाद, टाईपिंग, हिंदी ऑनलाइन प्रशिक्षण आदि के बारे में विस्तृत जानकारी दी। इस कार्यशाला की विशेषता रही की इसमें अनुवाद के सैद्धांतिक पक्षों के साथ व्यावहारिक रूप से अनुवाद का अभ्यास भी कराया गया। प्रतिभागियों ने इन टूल्स के अभ्यास सत्र में अपनी सक्रिय भागीदारीता दर्ज की। कार्यशाला के द्वितीय सत्र में यूको बैंक के मुख्य प्रबंधक (राजभाषा) श्री अजयेंद्रनाथ त्रिवेदी जी ने "सरल हिंदी में सरकारी कामकाज" विषय पर बहुत ही सरल भाषा में राजभाषा की सांवैधानिक स्थिति और इसकी ऐतिहासिक यात्रा का संक्षिप्त विवरण देते हुए सरकारी कामकाज में हिंदी को कैसे सरल भाषा में प्रयोग किया जाए इस बारे में रसात्मक व्याख्यान प्रदान की। इस कार्यशाला में कुल 14 प्रतिभागियों ने भाग लिया।



श्री आर भट्टाचार्य, उप महाप्रबंधक(मा.सं) (बीच में) दोनों फैकाल्टि और प्रतिभागियों



उद्घाटन सत्र का एकांश

एनआरएल वार्षिक हिंदी पत्रिका 'प्रयास' को पीआरएसआई राष्ट्रीय पुरस्कार सम्मान

वर्ष 2020 में प्रकाशित नुमालीगढ़ रिफाइनरी की वार्षिक हिंदी पत्रिका 'प्रयास' (दसवां अंक) को देश के प्रतिष्ठित संगठन पब्लिक रिलेशन्स सोसाइटी ऑफ इंडिया, नई दिल्ली द्वारा 'पीआरएसआई राष्ट्रीय पुरस्कार' (तृतीय पुरस्कार) सम्मान से सम्मानित किया गया। उक्त पुरस्कार दिनांक 21 फरवरी, 2021 को आयोजित एक वर्चुअल पुरस्कार वितरण कार्यक्रम के दौरान प्रदान किया गया।



कर्मचारियों के बीच 'ई-मेल के माध्यम से हिंदी पत्राचार' प्रतियोगिता

एन आर एल के कर्मचारियों के बीच नियमित रूप से आयोजित करती आ रही तिमाही प्रतियोगिता 'ई-मेल के माध्यम से हिंदी पत्राचार' (जनवरी-मार्च, 2021 तिमाही) गत 31 मार्च, 2021 को सफलतापूर्वक सम्पन्न हो गया। विजेता प्रतिभागियों को उचित समय पर पुरस्कार प्रदान किया जायगा।

केसर की लालिमा लौट आयी

रचनाकार : श्री सुरेंद्र सहारन
नुमालीगढ़ रिफाइनरी

आजादी छिन गई जरूर
पर उस राय रखनेवालों की हुजूर
गुलाम रखा जिसने कश्मीर
आज भारत हुआ कश्मीर।

चंद परिवारों की नीयत में खोट था
मकसद सिर्फ लूट खसोट था
अखरोट के महलो में रहने वालों को
गरीब टूटी झोपड़ी में ही मंजूर था।

बरसों पुरानी गलती की गिरफ्त खुल गई
अधूरी थी आजादी आज पूरी मिल गई

पहाड़ों के जिस्म पर बर्फ की चादर बिछ गई
हसीं वादियों में केसर फिर महकने लगी।

सदन में बैठ बात दुश्मनों के मन की करते हैं
आस्तीन में सांप कुछ रुष्ट नेताओं से पलते हैं
भाई-भाई के बीच आपस में लड़ाते हैं
सदियों पुरानी सभ्यताओं को छेद करते हैं।

पीरों, फकीरों का ये आसियाना
हुनर का है ये खजाना
बहुत सालों से परेशान है ये
सियासी निगाहों से हैरान है ये।

नया भारत का नया सोच
सीमा पार खड़ा जवानों का लबरेज जोश
पीड़ित भाईयों को उनका हक दिलाना है
कश्मीर में फिर जन्नत अब लौटानी है।

केसर की घाटी न अब लहू से लाल हो
न सिंदूर लूटे, न अब कोई गोद उजाड़ हो
कड़वे की हर घूंट में महक अमन की आये
कश्मीर से कन्याकुमारी अब तिरंगा लहराए।

Assamese Section

এন আৰ এলক সর্বোত্তম পরিচালিত কোম্পানী, ২০২০ বঁটাৰে পুৰস্কৃত

- এন আৰ এলক কোম্পানী সচিবক বৰ্ষটোৰ গৱৰ্ণেন্স প্ৰফেছনেল হিচাপে স্বীকৃতি

নুমালীগড় ৰিফাইনেৰী লিমিটেডক অগ্ৰণী ৰাষ্ট্ৰীয় পেছাদাৰী সংস্থা মাননীয় কেন্দ্ৰীয় ৰেল, বাণিজ্য আৰু উদ্যোগ, উপভোক্তা পৰিক্ৰমা, দ্য ইনষ্টিটিউট অব্ কোম্পানী চেফ্টাৰীজ অব্ ইণ্ডিয়া (ICSI)ৰ দ্বাৰা কৰ্পোৰেট পৰিচালনাত উৎকৃষ্টতাৰ বাবে সর্বোত্তম পৰিচালিত কোম্পানী Unlisted large (আনলিষ্টেড লাৰ্জ) হিচাপে ৰাষ্ট্ৰীয় বঁটাৰে বিভূষিত কৰিছে। প্ৰতিষ্ঠানটিয়ে এন আৰ এলক কোম্পানী সচিব শ্ৰী এইচ কে শৰ্মাক বৰ্ষটোৰ গৱৰ্ণেন্স প্ৰফেছনেল হিচাপেও পুৰস্কৃত কৰিছে।

এখন প্ৰশস্তি পত্ৰ আৰু ট্ৰফী সন্নিবিষ্ট এই বঁটাটো এন আৰ এলক পৰিচালন সঞ্চালক শ্ৰী এছ কে ৰব্বৰাক ICSIৰ অধ্যক্ষ শ্ৰী আশিষ গাৰ্গৰ দ্বাৰা যোৱা ১৩ জানুৱাৰী, ২০২১ তাৰিখে নতুন দিল্লীত প্ৰদান কৰা হয়। পুৰস্কাৰ সমাৰোহত অন্যান্যসকলৰ লগতে ভাৰ্চুৱেল মাধ্যমেৰে যোগদান কৰে ভাৰত চৰকাৰৰ



দ্য ইনষ্টিটিউট অব্ কোম্পানী চেফ্টাৰীজ অব্ ইণ্ডিয়া (ICSI) ৰ দ্বাৰা এন আৰ এলক কোম্পানী সচিব শ্ৰী এইচ কে শৰ্মাক বৰ্ষটোৰ গৱৰ্ণেন্স প্ৰফেছনেল হিচাপে পুৰস্কৃত কৰিছে

খাদ্য আৰু ৰাজহুৱা বিতৰণ মন্ত্ৰী শ্ৰী পীয়ুষ গোৱেল, আদিত্য বিৰলা গ্ৰুপৰ অধ্যক্ষ শ্ৰী কুমাৰ মঙ্গলম বিৰলা আৰু আই চি এছ আই-ৰ সদস্যসকলে।

কৰ্পোৰেট গৱৰ্ণেন্সত এই আইচিএছআই ৰাষ্ট্ৰীয় বঁটাটিয়ে কৰ্পোৰেট গৱৰ্ণেন্সত প্ৰচলিত সৰ্বোত্তম প্ৰথাৰ স্বীকৃতি প্ৰদান কৰে আৰু কৰ্পোৰেট খণ্ডত ভাল গৱৰ্ণেন্স আৰু সামাজিক দায়বদ্ধতাৰ সংস্কৃতিৰ উৎকৰ্ষ সাধন কৰে।

তিনিটা শিতানত এন আৰ এলৰ পি আৰ এছ আই ২০২০ ৰাষ্ট্ৰীয় বঁটা লাভ

এন আৰ এল পি আৰ এছ আই ৰাষ্ট্ৰীয় বঁটা ২০২০ ৰ সৰ্বমুঠ তিনিটা শিতানত- (১) জনসংযোগ আৰু ব্ৰেণ্ডিংৰ বাবে চচিয়েল মিডিয়া, (২) ক'ভিড-১৯ৰ সন্দৰ্ভত চচিয়েল মিডিয়াৰ সৰ্বোত্তম ব্যৱহাৰ তথা (৩) হিন্দী আলোচনী 'প্ৰয়াস'ৰ বাবে বঁটা লাভ কৰে।

উক্ত বঁটাসমূহ যোৱা ২১ ফেব্ৰুৱাৰী ২০২১ ত জুম প্লেটফৰ্মৰ দ্বাৰা অনুষ্ঠিত ভাৰ্চুৱেল বঁটা বিতৰণী অনুষ্ঠানত প্ৰদান কৰা হয়। উত্তৰাখণ্ডৰ গৱৰ্ণৰ সন্মানীয় শ্ৰীমতী বেবী ৰাণী মৌৰ্যই মুখ্য অতিথি হিচাবে অংশগ্ৰহণ কৰা সভাখনত উচ্চ শিক্ষাৰ কেন্দ্ৰীয় মন্ত্ৰী সন্মানীয় ড° ৰমেশ পখিয়াল নিশাকজীৰ সভাপতিত্বত অনুষ্ঠিত হয়। এন আৰ এলৰ পৰিচালন সঞ্চালক শ্ৰী এচ কে বৰুৱা, জ্যেষ্ঠ মুখ্য মহাপ্ৰবন্ধক

শ্ৰী নিকুঞ্জ বৰঠাকুৰ আৰু উপ-মহাপ্ৰবন্ধক শ্ৰীমতী মধুচন্দা অধিকাৰীয়ে উক্ত বঁটা ভাৰ্চুৱেলভাৱে গ্ৰহণ কৰে। এই ভাৰ্চুৱেল বঁটা প্ৰদান অনুষ্ঠান পি আৰ এছ আইৰ ফেচবুক পেজসমূহত অভূতপূৰ্ব সহাঁৰি আৰু সহযোগিতাৰে লাইভ সম্প্ৰচাৰিত হয়।

পি আৰ এছ আই (পাব্লিক ৰিলেচনচ চ'ছাইটি অব ইণ্ডিয়া) হৈছে জনসংযোগ আৰু কৰ্পোৰেট সঞ্চাৰৰ ক্ষেত্ৰত শ্ৰেষ্ঠতাৰ বাবে প্ৰদান কৰা সৰ্বশ্ৰেষ্ঠ স্বীকৃতি। চৰকাৰী আৰু ব্যক্তিগত খণ্ডৰ শীৰ্ষ কোম্পানীসমূহে এই বঁটাৰ বাবে প্ৰতিদ্বন্দ্বিতা কৰাৰ বাবে পি আৰ এছ আই ৰাষ্ট্ৰীয় বঁটাই যথেষ্ট গুৰুত্ব বহন কৰে।

বি বি চি আইত এন আৰ এলৰ দ্বাৰা উন্নীত পেডিয়াট্ৰিক অনক'লজি ৱাৰ্ডৰ উদ্বোধন

চিএছআৰ কাৰ্যসূচীৰ অধীনত এন আৰ এলৰ দ্বাৰা উন্নীত ২ কোটি টকা ব্যয় সাপেক্ষে ডাঃ ভূৱনেশ্বৰ বৰুৱা কেন্সাৰ প্ৰতিষ্ঠানৰ (বিবিচিআই) পেডিয়াট্ৰিক অনক'লজি ৱাৰ্ডটো এন আৰ এলৰ পৰিচালন সঞ্চালক শ্ৰী এছ কে বৰুৱাই বি বি চি আইৰ সঞ্চালক ডাঃ এ চি কটকী আৰু দুয়োটা প্ৰতিষ্ঠানৰ জ্যেষ্ঠ বিষয়াসকলৰ উপস্থিতিত আন্তৰ্জাতিক শিশু কেঞ্চাৰ দিৱস উপলক্ষে ১৫ ফেব্ৰুৱাৰী ২০২১ত উদ্বোধন কৰে।

৪টা ৱাৰ্ডৰে সন্নিৱিষ্ট আৰু এটি প্লে এৰিনা, বহুমুখী উচ্চ প্ৰযুক্তিৰ সা-সুবিধা যেনে ভেণ্ডিলেটৰ, ১২ চেনেল ইচিজি মেচিন, ৰোগী নিৰীক্ষণ, পেডিয়াট্ৰিক পেডলৰ সৈতে ডিফিব্ৰিলেটৰ, ইক' (শ্বিয়েৰ মেচিন) সৈতে পৰ্টেব'ল আল্ট্ৰাচাউণ্ড, ডিআৰ ইউনিটৰ সৈতে ম'বাইল এঅ-ৰে, ৫ ফাংকচন পেডিয়াট্ৰিক ৰোগী বিছনা, এয়াৰ কণ্ডিচনাৰৰ সৈতে এয়াৰ হেণ্ডলিং ইউনিট, মেডিকেল গেছ পাইপলাইন পদ্ধতি আৰু ৰোগী বদলিকৰণ সুবিধা এই ৱাৰ্ডত প্ৰদান কৰা হৈছে। কেন্সাৰ কেয়াৰৰ বাবে প্ৰদান কৰা অন্য আন্তঃগাঁথনি আৰু সা-সৰঞ্জাম,



উন্নীত প্লে এৰিনাই চিকিৎসাধীন শিশুৰ মনঃস্তাত্ত্বিক পৰিমাৰা বৃদ্ধি কৰিব। এন আৰ এলৰ দ্বাৰা নতুনকৈ উদ্বোধন কৰা এই পেডিয়াট্ৰিক অনক'লজি ৱাৰ্ডটোৱে বি বি চি আইত উত্তম চিকিৎসা আৰু শুশ্ৰূষাৰে শিশুসকলক ৰোগৰ সৈতে মোকাবিলা কৰাত সুবিধা আৰু সমৰ্থন আগবঢ়াব বুলি আশা কৰা হৈছে।



Message for SAKSHAM 2021

Like in previous years, this year too Petroleum Conservation Research Association(PCRA) in association with Oil and Gas PSUs is undertaking a month long mass awareness drive from 16th January to 15th February 2021 aimed at sensitizing citizens about the importance of conservation of petroleum products & efficient energy utilization for better health and environment protection. This endeavour is expected to go a long way in reducing our country's import dependency for Crude Oil and contribute towards becoming one of the most vibrant economies in the world.

NRL will enthusiastically join hands in this focused National campaign of SAKSHAM 2021 on the theme/tagline 'Green and Clean Energy' by taking up several activities within the organization and its periphery and involving all stakeholders thereby generating mass awareness about fuel preservation and developing environment and health friendly habits for the benefit of humanity at large.

NRL will also be organizing SAKSHAM Cyclothon in Silchar, Assam on 31st January 2021, one of the 300 cities across the country observing the day simultaneously which aims to generate awareness against the menace of pollution due to the burning of fossil fuels and create a culture of cycling among people.

I hereby appeal to everyone to actively participate in SAKSHAM 2021 activities and contribute in furthering the cause of fuel conservation for health & environment protection.

I wish SAKSHAM 2021 a grand success!



S K Barua
Managing Director

16-01-2021



Teesta River near Gajoldoba Resort, West Bengal
Captured through the lens of Mr. A K Ghosh, Retainer, Siliguri Marketing Terminal