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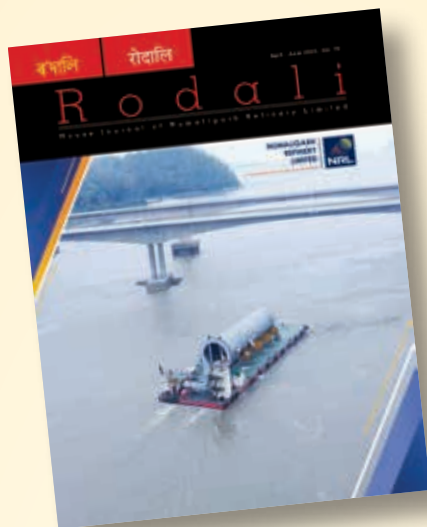
House Journal of Numaligarh Refinery Limited

NUMALIGARH
REFINERY
LIMITED

A GOVERNMENT OF INDIA ENTERPRISE



The massive DHDT Reactor for Numaligarh Refinery Expansion project being transported through National Waterways -2



From the Desk of the Editor

Greetings dear readers,

We begin FY 2023-24 first quarter's editorial with a nod to the endurance, strength, and resilience of the NRL team. These past few months have been marked by unique challenges and significant milestones, but through all this, our team's spirit has remained unshakeable.

Our finalised financial performance for the period FY 2022-23 speaks volumes about our steadfast growth. The company achieved its highest-ever sales turnover at Rs. 29,786 Crore, with a record PAT at ₹3,703 Crore. As we look forward to a future of continuous growth, we will strive to sustain this momentum and further solidify our bottom lines.

In a landmark achievement, NRL was upgraded to Schedule A CPSE from Schedule B CPSE by the Government of India. This recognition, a culmination of relentless hard work, places NRL as a Category-I Miniratna Schedule A CPSE under the Ministry of Petroleum and Natural Gas. This upgrade bears testimony to NRL's strong financial performance, operational efficiency, and its vital contribution to the Northeast region's economic development.

We also celebrated our 31st Foundation Day on 22nd April 2023, with the participation of all our employees and stakeholders. The day was marked with fervour and respect for our heritage and served as a reflection of our journey and achievements.

One of our most significant achievements this quarter was the successful transportation of massive ODC/OWC reactors for the ongoing Refinery Expansion Project via National Waterways-2. This logistics triumph brings a significant boost to the ongoing Numaligarh Refinery Expansion Project.

NRL celebrated World Environment Day aligning itself with the spirit of 'Mission LiFE – Lifestyle for Environment', with a host of initiatives including major plantation drives and awareness campaigns aimed towards a sustainable future.

We continued to foster collaborations, signing MoUs with Indian Oil Corporation Limited, T-Hub (Technology Hub), and IWT. These win-win alliances will go a long way in bolstering growth and innovation.

Our industry-academia collaborative effort took another step forward with the inauguration of the NRL Center of Excellence for Sustainable Materials Translational Facility at IIT Guwahati. This initiative solidifies NRL's commitment to sustainability and harnessing the potential of bio-resources.

The past quarter, with its blend of challenges and triumphs, serves as a reminder of the NRL team's dedication and commitment. As we forge ahead, we are prepared to meet future challenges head-on and seize opportunities that come our way.

Signing off till next time,

Madhuchanda Adhikari

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

Website: www.nrl.co.in

Editorial Correspondence

madhuchanda.adhikari@nrl.co.in

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Highlights of NRL's performance during Q1 of FY 2023-24

Capacity Utilisation

NRL's crude throughput during the first quarter of the year was 70 TMT. Crude throughput was lower due to RTA upto 26 May and subsequently, the Refinery was again taken under shutdown in view of a major fire in one of the secondary units. The refinery units were started progressively from 21 June (DHDT unit) and CDU/VDU was started from 28 June 2023.

Financial Performance

Post finalization of accounts for the period FY 2022-23, the financial performance is given below :

- Highest ever sales turnover was achieved at ₹ 29,785 Crore by the Company.
- Highest ever PBT at ₹ 4,953 Crore while highest ever PAT was achieved at ₹ 3,703 Crore.
- Highest ever Gross Refining Margin (GRM) was achieved at \$19.86 per bbl.
- Contribution to the Central and State exchequer was ₹ 5,016 crore.
- Net Worth reached ₹ 11,427 Crore.

Capital expenditure

Capital expenditure during Apr-Jun'23 was ₹ 1,788 Crore against annual draft MoU target of ₹ 8,790 Crore.

Ongoing / Upcoming Projects

i) Numaligarh Refinery Expansion Project from 3 to 9 MMT

a) 6 MMTPA Refinery:

- Approved cost of the project is ₹ 18,968 Crore.
- As on 30th June, 2023, the physical progress was 37.8% and financial progress was 29.01%.

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

- Approved cost of the project is ₹ 9,058 Crore.
- As on 30th June, 2023, the physical progress was 52% and financial progress was 60.62%.

ii) Apart from NREP, NRL is also implementing the following major projects -

- DCU Revamp: The approved cost for the project is ₹ 490 Crore which involves revamp of the existing Delayed Coker Unit (DCU) by increasing the capacity from 306 KTPA to 560 KTPA for processing Un Converted Oil (UCO) to be

produced in the Residue Upgradation Facility of the new 6 million refinery. The project also includes replacement of critical and ageing equipment like coke chamber, heaters, and switch deck system. As of June, 2023, the physical and financial progress is 14.6% and 15.53% respectively.

- Power Recovery Turbine in PFCC unit: A Power Recovery Turbine will be installed in the flue gas section at downstream of reactor - regenerator section of PFCCU as an energy saving initiative. This will generate power from regenerator flue gas to increase the energy efficiency of the unit and will result in reduction of CO2 emissions from the complex. The approved cost of the project is ₹ 293.50 crore. As of June, 2023, the physical and financial progress is 15% and 11.09% respectively.
- Green Hydrogen Plant - 2.4 KTPA: In line with National Green Hydrogen Mission and to meet the GHCO (Green Hydrogen Consumption Obligation) in coming years, NRL will set up a Green Hydrogen plant of capacity 300 Kg/hr. (2.4 KTPA) at Numaligarh on EPC basis. This will replace 5% of the present grey hydrogen being used by the refinery which will reduce approximately 24,000 Tons of CO2 emission per annum. The approved cost of the project is ₹170 Crore. Cumulative commitment as on 30.06.2023 is ₹ 145 crore.
- SMT Augmentation: The approved cost for the project is ₹ 387 Crore which involves installation of new tankages, ethanol blending facilities and rail / road loading spurs in Siliguri Marketing Terminal (SMT) to meet enhanced product evacuation requirements post refinery expansion. As of June, 2023, the physical and financial progress is 28% and 14.19% respectively.
- Coke Drum Structural Project for NREP: Along with the DCU revamp project, an approval was obtained for installation of Coke Drum Structural Package (CDSP) and associated facilities at a cost of ₹ 465.28 crore.

iii) Investment in new JVs:

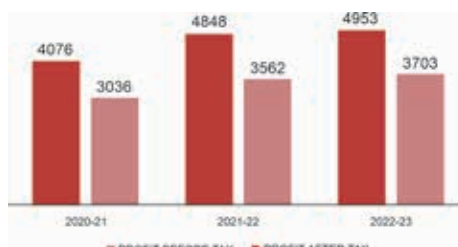
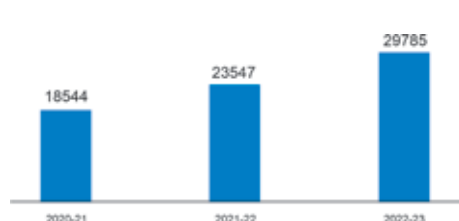
a) Assam Bio Refinery Pvt. Limited (ABRPL):

At on June, 2023, the overall physical progress achieved is 86.0%, while the financial progress is 80.57%.

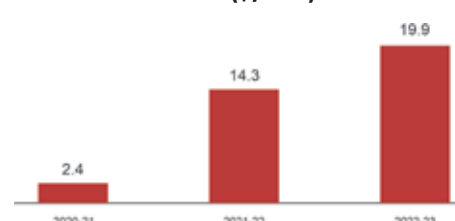
b) Indradhanush Gas Grid Limited (IGGL):

Overall physical progress as on 30.06.2023 is 75.08% while the financial progress is 47.64%. The project is

Sales Turnover



GRM (\$/BBL)



NRL Upgraded to 'Schedule A' CPSE

There was a sense of euphoria in NRL when news reached that the Company has been upgraded to Schedule A CPSE from Schedule B CPSE by the Government of India. This is a significant milestone for NRL and a result of a lot of hard work and toil to gain the coveted status. With this, NRL is now a Category-I Miniratna Schedule A CPSE under the Ministry of Petroleum and Natural Gas.

The upgradation to Schedule A was notified by the Ministry of Petroleum and Natural Gas on 4th July 2023. This upgradation to Schedule A recognises NRL's strong financial performance and operational efficiency and contribution to the economic development of the Northeast region.

NRL ranks among the top 20 CPSEs in India, both in terms of sales revenue and profitability. Among the Indian PSU refineries, NRL is considered as a high performing model refinery with industry leading figures in terms of Distillate Yield, Specific Energy Consumption and Gross Refining Margin. Marking its international presence, NRL has commenced export of petroleum products to the neighbouring countries and has acted as a catalyst in promoting the Act East Policy of Govt. of India.

NRL operates the largest refinery in Northeast India, with a capacity of 3 million metric tonnes per annum (MMTPA) and is currently implementing a mega refinery expansion project to triple its refining capacity to 9 MMTPA along with laying a trans-national crude oil pipeline from Paradip in Odisha. NRL is currently implementing projects involving investments to the tune of Rs. 35,000 Crore in the region that is recognised as one of largest investments in the oil and gas sector in North East India.

The upgradation to Schedule A will now make NRL eligible to apply for the status of Navratna which in turn will give higher financial autonomy. This will allow the company to undertake larger and more complex projects, take speedy decisions in creating joint ventures, strategic partnerships and special purpose vehicles for strategic growth.

The upgradation to Schedule A is also a significant boost to NRL's endeavour towards achieving net zero goals and will play a critical role in the current energy transition mission in the oil and gas sector in the country. NRL has carved out a roadmap to achieve its net zero goals by the year 2040 in alignment of the national goal of India achieving net zero by the year 2070.

Over Weight and Over Dimensional consignments reach NREP site via National Waterways-2

In so far one of the heaviest-ever consignments to be transported utilising National Waterways-2, two reactors manufactured by L&T weighing around 1,160 MT and 663 MT were transported via river route from Adani Port, Surat to NRL Jetty near Numaligarh Refinery Project site to reach the Project site in the month of June, 2023. Both the reactors are RPTU Reactors for DHDT.

Before that, reactors weighing 521 MT and 1,160 MT manufactured by ISGEC were despatched from Gujarat's Dahej port.

Navigating through the mighty Brahmaputra, the reactors are to be erected in the NREP Site after being downloaded in Dhansiri Mukh near NRL jetty.

This development is a significant

boost to the progress of the ongoing Numaligarh Refinery Expansion Project. It is also a feather in the cap for M/s ISGEC and M/s L&T, being a manifestation of *Atma Nirbhar Bharat* considering that these reactors were being imported from Europe till a few years back.



Events

31st Foundation Day

The 31st Foundation Day of NRL was celebrated on 22nd April, 2023 in all locations of the Company in a befitting manner. The Foundation Day celebrations in Numaligarh were observed at Kunjabon, NRL Township in the gracious presence of MD Mr. B J Phukan, Director (Finance) Mr. Sanjay Choudhuri, other senior officials and employees.

The event commenced with the hoisting of the NRL Day flag followed by NRL Day pledge taking. The NRL theme song was presented by employees. MD Mr. B J Phukan addressed the employees and encouraged them to put their best foot forward as the company embarks on a high growth trajectory. A short cultural program was presented on the occasion. Later, MD and DF handed over fruit packets to indoor patients of VK NRL Hospital.



Hoisting of NRL Flag by MD Mr. B J Phukan at Kunjabon, NRL Township



A chorus of NRL Theme song by employees



Cake cutting



MD Mr. B J Phukan and DF Mr. Sanjay Choudhuri offering fruits to patients in VK NRL Hospital on the occasion of NRL Day



Hoisting of NRL Flag at Corporate Office, Guwahati

MEDIA-CONNECT

A media outreach program was organized jointly by NRL with Oil India Limited in Guwahati on 1st May, 2023, under the aegis of the Press Information Bureau - PIB, Government of India. The objective of the program was to sensitize the regional media about the oil industry in India and its different facets so that they are well-equipped to report on the fast-paced developments in the sector.

The meeting was attended by the who's who of the regional media, including editors, bureau chiefs, and star journalists. The program began with an overview of the Ministry of Petroleum and Natural Gas presented by the Additional Director General, PIB, Ministry of Petroleum and Natural Gas & Ministry of Housing and Urban Affairs Shri Rajeev Jain. Thereafter, an overview of OIL & NRL was presented by CGM (PR), OIL Mr. Ranjan Goswami, and GM (CC), NRL Ms Madhuchanda Adhikari.

In the interactive session that followed, CMD OIL and Chairman NRL Dr. Ranjit Rath addressed the house and spoke about the roadmap carved out for OIL to enhance exploration activities in new places in Assam. MD NRL Shri Bhaskar Jyoti Phukan also apprised the media about its current projects and the future roadmap of NRL aligned to the country's focus of attaining net zero goals by the year 2070, with NRL and OIL's roadmap of achieving net zero by the year 2040.

The outreach program has equipped the regional media with a better understanding of the nuances while reporting on the oil and gas sector in general and OIL and NRL in particular, who continue to be major players in Assam's growth story.



World Environment Day

With the spirit of 'Mission LiFE – Lifestyle for Environment', our company celebrated World Environment Day on 5th June, 2023 at its integrated project site at Bogidhala Muga VGR at Sumoni, in association with the Sericulture Department, Govt. of Assam; BDO, Morangi; Morangi Mahavidyalay; Letekujan Gaon Panchayat and Krishi Vigyan Kendra, Golaghat

The celebration was graced by Hon'ble Minister of Handloom and Textile, Shri U G Brahma; Hon'ble MLA of Sarupathar, Mr. Bishwajit Phukan; Hon'ble DC of Golaghat Dr. P. Uday Praveen, IAS; MD NRL Mr. B J Phukan; CGM (Tech. Services) NRL Mr. Bimlesh Gupta; CGM (HR & Legal) NRL Dr. Kajal Saikia and Commandant of CISF Unit NRL Mr. Prabhuram as Chief Guests.

Events

Honouring its commitment to build 'an India-led global mass movement to nudge individual and community action to protect and preserve the environment', as was professed by the Hon'ble PM of India Shri Narendra Modi at the 26th UN Climate Change Conference of Parties at Glasgow – a plantation drive was organised by NRL at the VGR premises.

The dignitaries addressed the audience, sensitising the masses to adopt a sustainable lifestyle and practices to address climate change and associated challenges facing our planet. The plantation drive followed suit with whole-hearted participation from all dignitaries and associated organisations, members of the CISF cadre, students from educational institutes, members of local self-help groups and the general public at large. 5,000

saplings of *Som* tree were planted, in order to increase fodder availability for the Muga silkworms and thereby boost Muga rearing capacity of the VGR and achieve sustainability. Additionally, 2,000 saplings of Arjun, Neem, Keseru and Borpaat trees were also planted in order to create a green-belt for protecting the silkworms from harmful pesticides used in the tea-gardens in the vicinity and to help curb pollution of air and soil, in addition to leveraging of medicinal properties offered by the plants.

Furthermore, castor seeds were also sowed in furrows in the soil, to foster additional fodder for the silkworms – thereby realising and reaffirming NRL's commitment to Beat Plastic Pollution, adopt Mission LiFE and to prioritise Prakriti KaKhayal for all days to come.



Hon'ble Minister of Handloom and Textile, Shri U G Brahma Govt. of Assam; Hon'ble MLA of Sarupathar, Mr. Bishwajit Phukan; Hon'ble DC of Golaghat Dr. P. Uday Praveen, IAS, MD NRL Mr. B. J. Phukan and senior officials of NRL taking part in the World Environment Day celebrations



WED 2023 activities

Pledge taking ceremony was conducted at various departments and office locations of the Company. As per MoEFCC (Ministry of Environment, Forests and Climate Change) and MoPNG (Ministry of Petroleum and Natural Gas) directives, Mission LiFE pledge was taken by the employees of NRL as a commitment towards adopting environmentally friendly lifestyles and taking up individual responsibility for protecting the environment.



Tree plantation drive by the employees and sapling distribution among the public of nearby areas were conducted at Siliguri Marketing Terminal on World Environment Day. Tree plantation drive was also conducted at the Project Augmentation site in association with Engineers India Limited (EIL).



Tree plantation by employees of Siliguri Marketing Terminal



Sapling Distribution to the public at Siliguri Marketing Terminal

Plastic waste collection and reprocessing drive was conducted for collection of waste plastic in the vicinity of the refinery in collaboration with M/s Go Green Enterprises. A consignment weighing about 14 tons of recyclable plastic waste was also flagged off on 5th June, 2023. Electronic Garbage Cart was also handed over to M/S Go Green Enterprises as an aid for waste collection.



Flag off of 14 Ton plastic waste for recycling

An E-Waste collection drive and awareness campaign was conducted at Kunjabon, NRL township on 11th June, 2023 in collaboration with *Binbag*, the only Pollution Control Board approved E-waste recycler in the North Eastern Region. Presentation on E-waste management was delivered by *Binbag* and awareness videos were played for the audience. Township residents contributed a significant quantity of E-waste like cellphones, microwave, printers and about 70-80 kg of small electronic scrap.



E-waste awareness among children and parents

Art competition, Spot Quiz and Trash Art exhibition was also conducted among the children to create awareness for environment Protection.



Trash Art Exhibition

Essay and Slogan competition was organized for all employees of Numaligarh Refinery Limited, VKNRL Hospital, Delhi Public School Numaligarh and CISF unit, Numaligarh from 22nd May -10th June'23. The topic for the Essay competition was 'Adopting Environmentally Friendly Lifestyle- the need of the hour' and the topic for the Slogan Competition was 'Mission LiFE (Lifestyle for Environment)'.

An online quiz named 'GREEN QUIZ-2023' was organized for all employees on 16th June, 2023.

An Art competition was organised at Dandadhar Girls High School, Golaghat on 25th July, 2023 where around 100 participants from various schools of Golaghat participated.

The Closing ceremony of the month-long celebrations of World Environment Day-2023 and Mission LiFE-Lifestyle for Environment was held on 30th June, 2023. Dr. Vimal Katiyar, Professor of Chemical Engineering Dept.IIT, Ghy and Dean Research and Development, IIT Guwahati graced the occasion as Chief Guest and enlightened the gathering on plastic pollution and possible solutions for Eco-Friendly Life.

Prize distribution ceremony for various competitions like Essay, Slogan and Green Quiz were also conducted. The event concluded with the vote of thanks delivered by Chief Manager (Environment), Mr. Alok Nath.



Events

World Blood Donor Day

NRL, in association with VKNRL Hospital and the NSS Unit of Kamargaon College, jointly organised an Awareness Camp on 14th June, 2023 on the occasion of World Blood Donor Day at Kamargaon College, Golaghat District.

The Awareness Camp was graced by the presence of DGM (IR/PR), NRL, Mr. Bishajit Bora; President of the Teaching

Unit of Kamargaon College, Dr. Goutam Kr. Saikia; and students and faculty members of Kamargaon College.

The Awareness Camp witnessed registration from 175 potential-donors including students and teachers; and was followed by blood-group testing of the enthusiastic volunteers assembled for the noble cause.



International Yoga Day celebrations

'Yoga for a healthy body and mind'

On 21st June, 2023, the 9th International Day of Yoga (IDY) was celebrated with vigour and verve at all locations of the Company adhering to IDY 2023 CYP (Common Yoga Protocol). At Numaligarh, MD Mr. B.J. Phukan inaugurated the yoga programme by lighting the ceremonial lamp and participated with other officials and employees by learning yoga postures, breathing techniques and relaxation exercises.

With this year's theme '*Yoga for Vasudhaiva Kutumbakam*', IDY was also celebrated at NRL Corporate office emphasizing the importance of healthy living for all individuals.



IDY 2023 at Guwahati



IDY 2023 at Numaligarh



Hon'ble Governor of Assam inaugurates NRL Centre of Excellence for Sustainable Materials Translational facility

The Hon'ble Governor of Assam, Shri Gulab Chand Katariya inaugurated the NRL Center of Excellence for Sustainable Materials Translational Facility on Bioplastic at IIT Guwahati on 20th May 2023. The facility is the outcome of an Industry-Academia collaborative effort between NRL and IIT Guwahati. In addition to housing a 100 Litre Biodegradable polymer plant, the translational facility has a range of equipment related to the downstream processing of biodegradable plastics such as Blown Film Machine, Injection Moulding, Thermoforming, Cast Film Extruder etc. The establishment has the ability to manufacture a wide variety of items, including carry bags, toys, cutlery, decorative items, and small furniture, among others both from normal and biodegradable polymers.



MoUs and Collaborations

MoU with Indian Oil Corporation Limited

On 17th May, 2023, NRL inked an MoU with Indian Oil Corporation Ltd. for the sale-purchase of petroleum products post Refinery Expansion at New Delhi. The MoU was signed by CGM (Marketing), NRL Mr. Subrata Das and ED (New Business), IOCL Mr. Hridesh Baidail in the presence of MD NRL Mr. B. J. Phukan, Director (P&BD) IOCL Mr. Sujoy Choudhury and senior officials of both the Companies. This marks a significant stride in strengthening collaboration and fostering mutual growth between the two oil sector PSUs.



MoU with T-Hub

On 17th May 2023 NRL signed a Memorandum of Understanding (MoU) with T-Hub (Technology Hub), a premier innovation hub and ecosystem enabler based out of Hyderabad, India. The MoU was signed by Sr. CGM(CA), NRL Mr. Nikunja Borthakur and Chief Innovation Officer, T-Hub Mr. Sujit Jagirdar in the presence of senior officials of NRL at NRL Centre, Guwahati. Under the MoU, NRL and T-Hub will jointly collaborate on business innovation and growth hacks for NRL's flagship startup program, 'iDEATION'.

This MoU will mark a significant step in the direction of 'Atmanirbhar Northeast and Atmanirbhar Bharat'.



MoUs and Collaborations

MoU with IWT, Government of Assam

On 14th June, 2023 NRL signed a significant MoU with the Government of Assam. Under the MoU, NRL will ensure a steady supply of high-speed diesel for Inland Water Transport vessels in Assam, which till now was sourced from different retail outlets. The annual requirement of HSD of inland waterway vessels is about 12 Lakh litres.

The MoU was signed by NRL CGM (Marketing) Mr. Subrata Das and IWT Director Mr. Partha Pegu at a program held at the Assam State Secretariat in the presence of Hon'ble CM of Assam Dr. Himanta Biswa Sarma. Also present on the occasion were MD NRL Mr. Bhaskar Jyoti Phukan; DF NRL Mr. Sanjay Choudhuri, Commissioner Transport, Govt. of Assam Mr. Adil Khan; GM NF Railway Mr. Chetan Srivastava, Advisor (Education), Govt of Assam

Mr. Noni Gopal Mahanta and officials from NRL and Govt of Assam. This collaboration marks a major milestone in the development of the state and promises to bring positive changes to Assam's inland water transport sector.

The Chief Minister highlighted the significance of this partnership, expressing his optimism that it will be a win-win for both sides. Further, this partnership will also pave the way for implementing use of Methanol blended High Speed Diesel, which is a cleaner fuel with low carbon emissions in IWT's marine vessels. The 1st trial run of a marine vessel of IWT using Methanol blended Diesel was successfully carried out by NRL during the visit of Hon'ble Minister MOPNG to Guwahati on 24th January, 2023.



MoA with KU and IFSA

On 16th June, 2023, in a significant R&D initiative, NRL has signed a Memorandum of Agreement (MoA) with Kaziranga University (KU) and Institute of Frontier Science and Application (IFSA) to carry out a research project titled 'Assessment of Wind Energy Potential in North East India'.

The agreement was signed between Sr. CGM (CA) NRL Mr. Nikunja Borthakur, Vice Chancellor KU Dr. P.K. Mishra and Chairman IFSA Dr. P. Goswami at NRL Corporate Office in Guwahati in presence of Director (Finance) NRL Mr. Sanjay Choudhuri and senior officials of NRL & KU.

As per the MoA, with funding from NRL, KU in technical collaboration with IFSA, will implement the project which aims to develop bankable wind energy assessment over

Assam in the riverine environment using mobile Lidar observations for a period of three years.



Agreement signed with 5 startups

On 24th May, 2023, NRL signed agreements with 5 startups under NRL Ideation initiative namely:

1. Labdig, a startup that has developed an economically viable, compact and handy multimodal microscopic

system with four modes of imaging to democratize availability of microscopes to educational institutions and clinics.

2. House of Locals, a home décor and lifestyle brand based

out of the North-East which bridges the gap between artisans and the market through technology and business process innovation.

3. Greenfield Solution, a startup working with cement blended with rice husk ash and production of AAC and paver blocks using the blended cement.
4. Fabsner, India's first single value chain for Stevia based products - Cultivation, Extraction/Processing and ICT.
5. Rognidaan, a Healthtech startup building 'PapScanner' - a cloud based solution to detect cervical dysplasia using AI/ML.

Awards and Accolades

Environment Excellence Award 2022

NRL bagged the Grow Care India Environment Excellence Award 2022 in Platinum Category. The selection was based on rigorous evaluation by a eminent jury on applications received by the Foundation on various Environmental parameters followed by a virtual presentation.

The award function was held on 3rd April, 2023 in New Delhi.



Technology Corner

First Major HDD with Intersection Technique Successfully Completed for PNCPL Project

P J Sarma
Head (Project Pipeline)

As a remarkable accomplishment of NRL Project Pipeline team, the Paradeep-Numaligarh Crude Pipeline (PNCPL) project in Assam has completed 26-inch mainline crossing of Jia Bharali River (2630 m crossing length) at PNCPL Chainage of Ch1379.968 KM near Tezpur, Assam through Horizontal Directional Drilling (HDD) using advanced Intersection Technique.

This ground breaking success was accomplished through meticulous planning, continuous monitoring, supervision, and execution by NRL, EIL (as EPCM Consultant) and M/s NRP Projects Private Limited (HDD Contractor) using best of the available technology and resources.

The Paradeep-Numaligarh Crude Pipeline (PNCPL) project covers a pipeline length of 1635km, with 38 major Horizontal Directional Drilling (HDD) river crossings, 55 minor HDD river crossings and 10 micro-tunneling river crossings. Amongst all these crossings, only 4 major rivers crossing is planned using complex intersection method one of which is Jia Bharali.



Team after HDD was completed @CH -1379.968 KM

Technology Corner

The Intersect Method, of drilling uses two drills, one at each end of the bore's design path. One of which has a magnetic source mounted on the bore hole assembly (BHA) instead of a steering tool. The magnetic source allows the rig without the magnet to determine the distance and azimuth to the source. Both rigs drill pilot bores toward each other until the bores intersect. The drill with the magnetic source then continues the bore to the end of the design path.

Source: <https://www.trenchlesspedia.com/definition/2306/intersect-method>

The execution of the job started with validation of the soil strata at the crossing location by collecting soil samples of the river bed upto 30 meter from bed level of the river. Accordingly, Geotechnical Investigation was carried out in number of locations in the river and samples were analysed. Around 33 boreholes were done in presence of project team of NRL and EIL for evaluating the soil conditions to determine the success of HDD in the crossing location.

In the original crossing location, soil strata were found to be not suitable for HDD due presence of higher percentage of pebbles. Accordingly, it was decided to shift the drilling location southern side (away from Arunachal foothills) for better soil strata.



Gravels & Boulders found during Geotech



Re-Routed Jia Bharali river HDD crossing point near NHA bridge

To further confirm the soil strata, NRL team approached NHA which was also constructing road bridge over the river and collected their geotechnical data. Accordingly based on revised Geotech bore hole reports of NRL and

NHA, new crossing location near the NHA bridge was finalised at approximately 3.46 kilometres downstream from the original plan. This redirection necessitated adjustments to the Right-of-Use (ROU) and resulted in a reduced crossing length of 2625 meters (from 3800 m). Profile of the HDD was prepared based on careful study of different soil layers depending upon gravel content.

Based on Geotech input, IGGL also finalised new crossing location and executed gas line HDD in the same location. However, the parallel HDD works by IGGL and NRL within the same 20-meter RoU adds an additional layer of complexity to NRL work. Coordinating efforts to avoid interference or conflicts between the two projects was crucial. Close collaboration between the PNCPL and IGGL teams was necessary to ensure that pipe stringing activities can be carried out seamlessly without compromising the progress of either project. Keep that in mind, design of the HDD profile was finalised and work schedule was adjusted accordingly.

To maintaining the highest standards of quality, the execution process of the job was closely supervised by NRL and EIL team. The presence of top management of NRL during each phase of the job starting from review of geotechnical reports, site inspection of welding, drilling, pulling motivated entire team of NRL/EIL and NRP for achieving the successfully completing job with highest quality.



Site visit of senior officials of NRL/EIL

To ensure a safe and successful operation, two 250 MT capacity rigs were strategically deployed from both banks



1st March, 2023 pilot drilling for 26" Pipe

of the Jia Bharali River. On March 1, 2023, the pilot drilling commenced, marking the beginning of an intricate process that required flawless execution.

The success of the HDD operation hinged on establishing a precise intersection between the two pilot bores. This critical step was accomplished on May 15, 2023, under the expert guidance of M/s Prime Horizontal, a renowned



intersection specialist agency from the Netherlands. With the intersection secured, the subsequent reaming operations commenced, enlarging the borehole to a diameter of 42 inches. These meticulous reaming activities prepared the path for the final stage of the process. On June 21, 2023, the pullback phase began, signifying the culmination of months of planning and preparation. To facilitate this crucial step, M/s NRP Projects mobilized an India's highest capacity 800MT rig, ensuring a smooth and controlled pullback operation.

The project team of NRL and EIL were continuously site and monitored entire pulling operation, ensuring that success of the job. After a continuous operation of 25 hours, the pullback of the 26" pipeline using the pipe floating methodology was successfully completed on June 22, 2023, at 1810 hours. The pull load remained well within the design limit, not exceeding 290 MT with an average load of 250 MT.

Jia Bharali 26-inch HDD crossing was one those hundreds of similar other technical and other challenges to come which are inherent to cross country pipeline. NRL team is geared up and motivated to surpass all such challenges to bring this project into timely completion. [Team -PNCPL]

Pipeline News

A. Odisha



NRL Chairman Dr. R. Rath & Director (Finance) Mr. S. Choudhuri visited the COIT site on 27-May-23 and inaugurated mechanical work in tanks. Tank No. 409, bottom/annular plate welding started in the presence of NRL Chairman, DF NRL, EIL and IAVL.



IAVL CEO visited COIT site on 7-Jun-23 and inaugurated office building.

B. West Bengal (Part-I)- Jharkhand



In the presence of CGM (Project) Mr G K Borah and Head (Project Pipeline) P J Sarma, the first lowering in West Bengal 1 & Jharkhand spread of PNCPL started on 17th May, 2023.

C. West Bengal (Part-II) SMT- Bihar

SMT Augmentation project work:

- 4000 Metric Ton of MS plate received at the site for Tankages. Fabrication of bottom and annular plate for 6 Nos tank has been completed.
- Tank Pad foundation work has been completed up to NGL level for 5 Nos tank.
- Erection of 15 Nos Barricading structure has been completed.

Pipeline News

- d) Sand Gravel filling and construction of footing for 33 kVA Substation has been accomplished.

Meeting with ADM- Darjeeling, SDO and BDO of Darjeeling on 29th May, 2023 for commencing pipeline laying works in West Bengal (2) section.



D. Assam

MD NRL Mr. B J Phukan, GM(PP) S K Hussain and other senior officials from NRL visited/reviewed HDD site work ongoing at Jia Bhareli River along with laying work near Jamuguri, Tezpur, Assam.



Total of 130 km lowering has been completed (97 km this quarter) in the Assam section of PNCPL.



E. NRL Foundation Day Celebration at various site/camp offices.



NRL foundation day celebrated across all PNCPL sections and taking Pledge/Oath on 31st Foundation Day.



Mock drill during PNGRV audit for IBFPL operation at SMT on 11th April, 2023



Celebration of 8th International Day of Yoga at SMT

CSR Snippets

AKAM Program on Skill Development

As a part of AKAM, NRL organised an event for employability, skill development and decorative candle making training at Shillong on 16th June, 2023. The event was organised in collaboration with National Small Industries Corporation as technical partner and Meghalaya State Rural Livelihood Mission as Logistics partner. Around

160 youths from different blocks/districts participated in the programme.

The programme was graced by senior officials from MoPNG Sri Sanjay Kumar and Miss Neha along with the other dignitaries from the state.



News in Pictures



Hon'ble Chief Minister of Assam, Dr. Himanta Biswa Sarma inaugurated a 1200 capacity Open-Air Auditorium at Sarupathar, Golaghat District in presence of MLA of Sarupathar, Sri Bishwajit Phukan and officials from NRL and District Authority on 21st April 2023.



Hon'ble Finance Minister of Assam, Smt. Ajanta Neog inaugurated a Self-Employment Generation scheme for unemployed youths of Golaghat district on 18th May, 2023 in presence of NRL Officials and District Authority to promote Livelihood Generation and *Atma-nirbharta* among 200 youths of Golaghat district.

CSR Snippets



Rajya Sabha MP Sri Kamakhya P Tasa and MLA of Sarupathar Sri Bishwajit Phukan attended an inaugural programme at Jorhat on 9th April and Golaghat on 10th April, 2023 respectively for providing Nutritional Support to TB patients in collaboration with State TB Cell, Assam supported by NRL.



Counselling Program for a successful career in the hospitality sector was held on 12th April, 2023 for Local Unemployed Youths by Tata Strive.



Installation of Solar Street Lights at Charaideo District, Assam on 5th May, 2023.



Six (6) nos. of Anaesthesia Workstations provided to GMCH Guwahati have been commissioned successfully. The workstations are now utilised in the hospital's Gastro, Plastic, Ortho, Caesarean and Gynae Operation Theatres.



Distribution of various waste handling vehicles to Bokakhat Municipality Board on 31st May 2023 by Shri Atul Bora, Hon'ble Minister Agri & Horticulture, GoA.



Handing over of 3 Ambulances to Teesta NGO (Sikkim), Rajabari T.E. Hospital and Kampur Hospital, Nagaon

Benu Misra Memorial NRL Award 2023

In a prestigious ceremony held on 29th May, 2023 at Vivekananda Kendra, Guwahati, Benu Misra Memorial NRL Award for 2023 was conferred upon two eminent visual artists, Sri Anuj Duarah and Sri Gakul Ch. Paul. The event was graced by the presence of MD Mr. B J Phukan as Chief Guest.

Supported by NRL as part of its CSR initiatives, this distinguished award places significant emphasis on promoting art and culture in the region. It has been instituted by Gauhati Artists' Guild, a platform created to transcend boundaries of creativity for art lovers nearly forty seven years ago by prominent intellectuals of Assam and late Benu Misra, one of Assam's most accomplished visual artists as founding President. Late Benu Misra, a well-known name in Assam in the field of art was far ahead of his time. Despite facing several obstacles, his passion for art and painting found its way that managed

him to secure a diploma in Fine arts and craft from Vishwa Bharati University at Santiniketan in 1961.



Fire & Safety Snippets

Activity highlight during 1st quarter

1. National Fire Service Week was observed from 14th to 20th April, 2023.
2. Awareness programs were carried out at all the units during Refinery Turn Around (RTA) 2023.
3. Fire training and awareness program was carried out for 285 CISF and AISF personnel during the month of June, 2023.
4. Level-2 emergency mock drill was conducted at NRMT on 30th June, 2023.

Photo Gallery

Photo 1	Wreath placing at the martyrs' memorial on 14th April 2023
Photo 2	Awareness program during RTA 2023 at various units
Photo 3	Training to AISF personnels
Photo 4	Level-2 Emergency Mock Drill at NRMT

Fire & Safety Snippets



MoPNG News



पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय
MINISTRY OF PETROLEUM AND NATURAL GAS
Government of India

Landmark reforms in Upstream, Midstream, and Downstream sectors of Hydrocarbon Industry Undertaken: Union Petroleum Minister

India undertaking Energy Transition to achieve 'Net Carbon Zero by 2070'.

India has achieved - 'One Nation-One Grid-One Frequency'.

Indian hydrocarbon industry is gravitating towards a new arena of development. Further, a 7.2% economic growth in FY 2022-23, indicates resilience in India's economy despite multiple global headwinds during the year arising from economic and geo-political uncertainties', said Union Minister of Petroleum & Natural Gas and Housing & Urban Affairs Shri Hardeep Singh Puri, addressing the august gathering of leaders, innovators media personnels' and pioneers in the Oil and Gas Industry, at FIPI's Oil & Gas Awards-2022 ceremony on 8th June, 2023. Shri Rameswar Teli, Minister of State for Petroleum and Natural Gas & Labour and Employment; Shri Pankaj Jain, Secretary, MoP&NG were also present on the occasion.

Addressing the gathering, Shri Puri said, that 'India is undertaking an ambitious journey of energy transition culminating in India achieving 'Net Zero Carbon' by 2070. However, for the transition to be enduring and stable, it is imperative that the accessibility and affordability aspects of energy remain intact. While we are only one of the G20

countries on course to achieve its Paris ambitions, we are also aware that in the coming decades, India's energy base load will be met by hydrocarbons. In this context, Government of India has undertaken landmark reforms in the upstream, midstream, and downstream sectors of Hydrocarbon industry in India', said Shri Puri.

Shri Puri further said that reforms in the energy sector in general and the oil & gas sector in particular demonstrate our commitment to energy security, ease of doing business and energy transition. 'With cabinet approving a series of critical gas pricing reforms which would not only lay foundation of a sustainable, affordable, and secure energy future for Indian citizens, but will also incentivize investment in India's E&P sector by ensuring that gas production from new wells of nomination fields will receive 20% higher prices. These reforms will not impact private operators of NELP/ HP-HT fields or new gas production from field development plans submitted after February 2019', added the Petroleum Minister.

Highlighting the importance of gas pricing reform decision, Shri Puri said that in absence of these the gas prices would have been uncompetitive to alternative fuels and hindered the expansion of the gas-based economy. 'The prices of gas for priority consumers would have increased by about 10% in the next half-year and continued to rise in the subsequent periods', added Shri Puri.

'The Administered Pricing Mechanism (APM) will be determined monthly at 10% of the average Indian Crude Basket Prices, with a ceiling (US \$6.5/MMBTU) and floor (US \$4/MMBTU). The ceiling will remain the same for the first two years and then increase by US \$0.25/MMBTU every year, to adjust for any cost inflation', said the Petroleum Minister.

Laying emphasis on Government's plans on clean and green energy, Shri Puri said that Government plan has 4 planks: - (i) Diversification of supplies (ii) Increase of alternate energy sources like Biofuels, Ethanol, CBG and Surya Nutan (iii) Increasing E&P footprint (iv) Energy targets through EVs & Hydrogen. 'India has one of the largest synchronous grids in the world, capable of handling intermittent renewable energy and we have achieved 'One Nation-One Grid-One Frequency'. 'We have enacted Green Hydrogen Policy with a production target of 5 million tonnes by 2030 and related development of renewable energy capacity', added the Petroleum Minister.

People

Atithi Devo Bhava

Deputy Director General, E&S Division, MoPNG Shri DK Ojha visited NRL Corporate Office on 20th April, 2023 at Guwahati and was welcomed by MD NRL Mr. B. J. Phukan. He took a review of ongoing projects costing ₹100 Crore namely - Numaligarh Refinery Expansion Project, Paradip Numaligarh Crude Oil Pipeline Project along with Bio Refinery Project.



Hon'ble Union Minister of Ports, Shipping & Waterways, Minister of AYUSH Shri Sarbananda Sonowal being welcomed by MD NRL Mr. B.J. Phukan at Numaligarh Township on 31st May, 2023.



Greetings & felicitations

MD NRL Mr. B. J. Phukan paid a courtesy call to C&MD BPCL Mr. G. Krishnakumar in Delhi on 12th April, 2023. Also present on the occasion were Director (Refineries) BPCL Mr. Sanjay Khanna, Executive Director In-charge (Retail) BPCL Mr. PS Ravi, ED Operations, Retail BPCL Mr. Dinabandhu Mandal, Chief General Manager, Supply Chain Optimisation BPCL Mr. Sreekumar and CGM (Marketing) NRL Mr. Subrata Das.



Achievement

Mr. Arup Kumar Sarma, Quality Control analyst, QC Lab has qualified the certification course-Introductory Organic Chemistry-I in Topper category provided by Indian Institute of Science Education and Research (IISER), Pune under the banner of NPTEL, an initiative funded by Ministry of Education, Government of India.



New Joinees

Management Trainee

Sl. No.	Name	Designation	Joined
1	Anurag Yogendra Lokhande	GET (Fire & Safety)	May 2023
2	Gagandeep	GET (Fire & Safety)	May 2023
3	Nayan Waman Peshne	GET (Fire & Safety)	May 2023

We welcome them to NRL family and wish them an eventful career!

From the Archives



IPL Magic



On the 5th April 2023, DNest members took time off from their regular schedule to enjoy the IPL cricket match between Rajasthan Royals and Punjab Kings at ACA Stadium Barsapara, Guwahati.

Club News - Kaliyani Club

Book Donation Drive

A book donation drive was held by KCEC 2022-23 from May 29th to 12th, June, 2023 in association with an NGO named Warriors, to support a worthwhile cause. The NGO distributed the books to underprivileged students in all of Assam's districts.

Rongali Bihu Celebration

On April 11th, 2023, the Kaliyani Club and Numali Club together celebrated *Rongali Bihu*. A beautiful cultural program was presented by the children and members of Numali Club. The celebration was graced by Invited artists Grihalakshmi Sangaskritik Gosthi and Rubul Bikash. *Bihu* celebrations ended with Traditional Assamese refreshments and dinner.



Club News - Rangchali Club

14th Rangchali Club Rongali Bihu Celebration

Rangchali Club celebrated 14th Rangchali Club *Rongali Bihu* on 14th May, 2023 with active participation of club members and families. A colourful *Bihu* dance was performed by an invitee *Bihu* group with club members and their families joining in.



Kalaguru Bishnu Prasad Rabha Divas

On 20th June, 2023 Rangchali Club paid tribute to Assamese cultural icon Bishnu Rabha and organized *Antraranga Anusthan Geetare Kathara*.

On 30th June, 2023, drawing competition, *Rabha Sangeet*, Assamese poem recitation were held among the club members and families. A large number of children and members participated in the competition.

Well known singer Diganta Bharati and his troupe enthralled the audience with their best numbers.



Assamese poem recitation workshop conducted

Rangchali Club organized Assamese poem recitation workshop from 23rd June to 25th June 2023 at Rangchali Club premises amongst the students. The workshop was conducted by Mr. Prakas Borpujari and drew overwhelming response from students and family members.



Cultural workshop conducted

Rangchali club organized Cultural workshop from 26th June to 29th June 2023 at Rangchali club premises amongst the students. The workshop was conducted by well-known Assamese singer Diganta Bharati and Ron Konwer. The workshop drew an overwhelming response from the students.



Art Exhibition

Rangchali Club organized an Art exhibition on 30th June, 2023 at the club premises where well-known artist Rana Kalita exhibited his own creations.



DPS News

Orientation Programme

DPS fraternity organized an Orientation Programme at the beginning of the session for the parents of Classes Nursery and I. The programme was an interface on the combined role of the school and the parents in moulding the pupils in all spheres.

It is crucial that parents, teachers and students develop

together a plan to ensure a good academic beginning. Parents were given a glimpse of the different educational strategies of the school and were also made aware of their crucial role in catering to the various needs of children with the coordinating efforts of the teachers.

Visit of Major General Gagan Deep, ADG-NCC (North East)

Maj Gen Gagan Deep, ADG, NCC, NER visited Delhi Public School, Numaligarh accompanied by Group Commander Brig Rajeev Kapoor SM of Jorhat Group, Officer Commander Lt Col A. Jayanta of 74 Assam girls



Independent Company, NCC Golaghat on 20th April 2023 to interact with Principal, ANO and Cadets.

He motivated the NCC Cadets by speaking on the importance of opting NCC for future endeavours, how a

cadet develops self discipline by taking part regularly in NCC activities. He also mentioned about the role of NCC in providing responsible citizens to the country for the betterment of the society.

Workshop on Classroom Management

A workshop on Classroom Management was organized at Delhi Public School, Numaligarh on 26th April 2023. The resource person for the workshop, Mr Dhanush Ram Vignesh from Ratna Sagar Publication presented a wonderful session on motivating students in the class, by having a mass participation and involving everyone to lose their inhibition and participate in activities.

Shillong Heritage Horse Show and Regional Equestrian Meet 2023

Seven students from Delhi Public School, Numaligarh participated in the Shillong Heritage Horse Show and Regional Equestrian Meet 2023 from 4th to 6th June 2023. It was hosted by Equestrian Association of Meghalaya in collaboration with the Shillong Recreational Ground Trust and the Assam Rifles held at Polo Ground. The event was inaugurated by the legendary Tennis player and Arjuna Awardee, Shri Joydeep Mukherjee. The major participating teams being, The Assam Rifles, Assam Police,

Assam Valley School, Delhi Public School Numaligarh, R&V Squadron of NCC Guwahati, Guwahati Riding and Polo Club, Delhi Public School Khanapara, Greenwood Horse Riding Club and riders from Equestrian Federation of Assam. A camping site for approximately 40 participating horses was arranged by the organizing committee adjacent to the show grounds. A number of events for all categories which included, children, Junior and Senior events were held in the three-day show making the event a grand success.



World Environment Day Celebration

World Environment Day was celebrated on 5 June 2023 by the students of Delhi Public School, Numaligarh with great exuberance. A special assembly was organised by the students of Geography (class 11 and 12) to mark this occasion stressing on the measures to be taken towards protecting Mother Earth and ensuring plastic free planet. The theme of the year '#BEATPLASTICPOLLUTION' was discussed at large by the students and they enjoyed sharing of their thoughts and views.

The assembly started with a prayer followed by a prayer song and a message stressing on the reduction in the use of plastics. Students delivered news with special reference to the environmental issues. After that, a group of girls performed a dance followed by a choir. In order to convey the message regarding plastic ban, some students displayed placards and a pledge was also taken for the same.



Book Fair for DPS Bookworms

Book Fair by Anwesha Publications from Guwahati was a real treat for all the voracious readers of DPS Numaligarh. It was held from 11th – 13th June 2023 in the school premises. It was a wonderful opportunity for the booklovers to get acquainted with the new titles and

also to keep abreast of the development taking place in this field. The book fair showcased strides in the area of various colourful encyclopaedias, dictionaries, fictions, scientific books, reference books of various subjects and a lot more.

International Day of Yoga Celebration

DPS Numaligarh enthusiastically celebrated the International Day of Yoga by organizing a captivating mass display of various yogic asanas prescribed by the esteemed Ministry of Ayush. To commence the event, Acharya Chandra Bhushan, an esteemed Yoga Instructor from VKNRL, was felicitated. The significance of this special day was eloquently conveyed by Ms. Priyam Ranjana from XI-B in her enlightening speech. She highlighted the unwavering dedication of our revered Prime Minister, Shri Narendra Modi, in establishing the International Day of Yoga as a global celebration.

Following the inspiring speech, a ten-minute meditation session took place, guided by Acharya Chandra Bhushan. He shared invaluable insights on the focal points to

concentrate on during meditation. Furthermore, a group of three students recited the Ayush protocol, guiding everyone in the room through a prayerful experience.



NCC Reports

• NCC 'A' Certificate exam (Topper)

Cadet Deepshikha Barua received certificate of topper 'A' certificate exam 2022-23 from Group Commander Brig Rajeev Kapoor SM of Jorhat Group on 15th May 2023, 8 Unit 74 Assam Girls (I) COY NCC Golaghat.

• NCC Girls Football

Seven cadets of Class IX namely Tenzin Dronsel, Ashruti Kalita, Bhargabi Baruah, Riddhi Dewan, Bhuyashi Kashyap,

Runmir Terongpi and Masira Fiza participated in the Subroto Cup Football Tournament 2023 at Aizawl from 15th May 2023 to 25th May 2023. Jorhat Group bagged the second runners up position in the tournament.

• Cadet Ridhi Agarwalla and Vandana Agarwalla participated in CATC 14 training camp at NCC academy, Jorhat from 24th May to 02nd June 2023.

An Interactive Session on Personal Hygiene and Child Safety

An Interactive Session on Personal Hygiene and child safety was organised on 5th May 2023 in the Junior school premises for UKG students. Mrs. Mouchumi Singha, councillor of VKNRL was the guest speaker for the session. The session was aimed to educate the students about the importance of personal hygiene in order to prevent the spread of infectious diseases and helps children lead long, healthy lives. The session also aimed at spreading

awareness and educating children about good and bad touch, at a time when child abuse and molestation exist as dark realities in society today. The students seemed excited and understood the concept about personal hygiene and safe/unsafe touch which was explained to them in simplified manner with the help of soft toys followed by question-answer round.

SCHOOL TOPPERS: 2022-23

(AISSCE- CLASS-XII)(AISSCE- CLASS-XII)



Zishan Amin

96.6 (Class XII – Science)



Suhani Maheswari

94.8 (Class XII – Science)



Nishita Dutta

94.6 (Class XII – Science)



Lohit Agarwalla

94.6 (Class XII - Commerce)



Dristi Jain

93.6 (Class XII – Commerce)



Neeti Sharma

93.4 (Class XII – Commerce)



Aarhi Priyadarshini

96.8 (Class XII – Humanities)



Harkirat Kaur

94.6 (Class XII – Humanities)



Konkona Bharadwaj

94.6 (Class XII – Humanities)



Angarika Boro

94 (Class XII – Humanities)



Mansi Jain

94 (Class XII – Humanities)

SCHOOL TOPPERS: 2022-23

(AISSE- CLASS-X)



Tusharjit Barman

97.2 (Class X)



Subhankar Bharadwaj

96.6 (Class X)



Chandaditya Baruah

96.2 (Class X)

Celebration of 9th International Day of Yoga

VKNRL Hospital organized Yoga Camps in association with VKNRL School of Nursing in the following 10 locations.

1. Govt. Model College –Deithor
2. Marangi Colege-Junior
3. Arya English Academy
4. Narayanpur Gaon
5. Bokial High School
6. BGK Janajati M.E. School
7. Bhakat Chapori – Rajabari
8. Rawduapathar LP School
9. Helochi Kachupathar – Khumtai
10. Gyandeep Adarsha Vidyapith

A total of 469 participants took part in Yoga Camps as per Common Yoga Protocol by Govt of India.



News in Pictures



Celebration International Nurses Day on 12th May, 2023



Celebration of Hospital Foundation Day on 12th May, 2023

News in Pictures



National Tuberculosis Eradication Training Programme organised on 6th June, 2023



Super Speciality OPD in collaboration with Indraprastha Apollo Hospital organised on 17th June 2023



Blood Donor Day observed on 14th June, 2023

BREAST CANCER

Myths Vs. Facts

Dr. Tapan Sarmah, MD

Associate Consultant, Pathology & Blood Centre

Unless people experience breast cancer in their own lives, or they're close to someone who does, they might not be able to separate myth from fact when it comes to this disease: who gets it and why, for example, or what treatment involves. True, breast cancer is one of the better-known and more-talked-about cancers, but there are still so many misconceptions out there.

1. **MYTH:** If I don't have a family history of breast cancer, I won't get it.

FACT: Most people diagnosed with breast cancer have no known family history.

2. **MYTH:** If you maintain a healthy weight, exercise regularly, eat healthy, and limit alcohol, you don't have to worry about breast cancer.

FACT: Although these behaviours can help lower breast cancer risk, they can't eliminate it

3. **MYTH:** Wearing a bra can cause breast cancer.

FACT: There is no evidence that bras cause breast cancer.

4. **MYTH:** Using underarm antiperspirant can cause breast cancer.

FACT: There is no evidence or connection between underarm antiperspirant and breast cancer, but the safety of antiperspirants is still being studied.

5. **MYTH:** Carrying your cell phone in your bra can cause breast cancer.

FACT: There is no evidence of a connection between cell phones and breast cancer, but the safety of cell phones is still being studied

6. **MYTH:** Consuming too much sugar causes breast cancer.

FACT: There is no evidence that sugar in the diet causes breast cancer.

7. **MYTH:** Annual mammograms guarantee that breast cancer will be found early.

FACT: Although mammography is the best early-detection tool we have, it doesn't always find breast cancer at an early stage.

8. **MYTH:** Breast cancer always causes a lump you can feel.

FACT: Breast cancer might not cause a lump, especially when it first develops

9. **MYTH:** All breast cancer is treated pretty much the same way.

FACT: Treatment plans vary widely depending on the characteristics of the cancer and patient preferences and histological type.

10. **MYTH :** Breast cancer only happens to middle-aged and older women.

FACT: Younger women can and do get breast cancer, as do men.

FROM NUNS TO NIGHT SHIFT 8 INTERESTING FACTS ABOUT BREAST CANCER

Fact 1 Breast cancer has been called the "nun's disease" because of the high number of nuns being affected.

Fact 2 Breast cancer occurs in both dogs and cats; it tends to be far more aggressive in cats

Fact 3 Wasp dung was used as a treatment for breast cancer.

Fact 4 The first record of a mastectomy offered for breast cancer was over 1,500 years ago.

Fact 5 Men get breast cancer too. A man's lifetime risk of breast cancer is about 1 in 1,000

Fact 6 Breast cancer is more common in the left breast than the right

Fact 7 Most women now survive breast cancer (at least in developed countries).

References: American Cancer Society. Breast cancer risk factors you cannot change. Revised September 2017.



ऑयल इंडिया लिमिटेड
Oil India Limited

News

Recognizing Leadership

Oil India Limited received Prestigious FIPI Oil & Gas Awards for Exploration and Hydrogen Initiatives

Oil India Limited (OIL) received prestigious awards at the Federation of Indian Petroleum Industry (FIPI) Awards 2022. OIL was honoured with the "Exploration Company of the Year" award and also received a special commendation for its "Initiatives in Promoting Hydrogen Company of the Year." The awards were presented in a distinguished ceremony held in New Delhi.

The coveted awards were handed over by Shri Hardeep Singh Puri, the Hon'ble Union Minister for Petroleum and Natural Gas and Urban Affairs. Dr. Ranjit Rath, CMD OIL, Shri P K Goswami, Director (O), and Dr Manas Kumar Sharma, Director (E&D), received the awards on behalf of the company.

The award ceremony was graced by the presence of Shri Rameswar Teli, the Hon'ble Minister of State for Petroleum and Natural Gas and Labour & Employment, Shri Pankaj Jain, Secretary of the Ministry of Petroleum and Natural Gas, and other prominent dignitaries from the Indian oil and gas industry.

These awards recognize OIL's excellence and achievements in the field of exploration and its initiatives to promote hydrogen. The recognition reflects the company's commitment to innovation, sustainability, and contributing to the development of the Indian oil and gas sector.





The Highest Ever

OIL's Net Profit Surges to ₹6,810.40 Crore

Oil India Limited, the State-run National Oil Company, announced its financial results for the fiscal year 2022-23, achieving the highest-ever net profit since its inception at ₹6,810.40 crore. This represents a substantial growth of 75.20% year-on-year, attributed to increased operating income and growth in oil and gas production.

During the last fiscal year, OIL experienced a 5.5% growth in oil production, reaching 3.18 million metric tons (MMT), and a 4.4% growth in gas production, reaching 3.18 billion cubic meters (BCM). The company also achieved the highest-ever gas production in its history. Additionally, OIL reported the highest-ever pipeline throughput of 8.19 MMT.

Aggressive exploration efforts led to a new hydrocarbon discovery in the Sesabil area of the Assam shelf basin. OIL also achieved its highest-ever turnover at ₹23,272.57 crore, marking a 60.17% increase year-on-year. The earnings per share (EPS) of the company rose to ₹62.80/share compared to ₹35.85/share in the previous year.

The OIL Board declared a final dividend of ₹5.50 per share and a total dividend of ₹20/share (face value ₹10) for the fiscal year 2022-23. In the fourth quarter, the company reported improved financial and physical performance compared to the corresponding quarter of the previous fiscal year, with a 26.15% growth in turnover and a 9.71% increase in profit after tax. Crude oil and natural gas production also experienced growth of 6.95% and 6.27% respectively in Q4 year-on-year.

As a group company of OIL, NRL (Numaligarh Refinery Limited) achieved its highest-ever consolidated profit after tax of ₹9,854.39 crores, representing a growth of 46.66% year-on-year. The consolidated turnover for the fiscal year reached ₹41,038.94 crore, an increase of 36.75% year-on-year. NRL achieved a record crude throughput of 3,091.37 TMT with a capacity utilization of 103%. The gross refinery margin for NRL in FY23 was US\$ 19.86/bbl compared to US\$ 14.33/bbl in the previous year.

New Leadership

Shri Atindra Roy Choudhury assumes charge

Shri Atindra Roychoudhury assumed the position of Resident Chief Executive (RCE) at Oil India Limited, Field Headquarters. Shri Roychoudhury joined OIL as an Executive Trainee (ET) in November 1986 in the Electrical Engineering Department in Duliajan. He graduated in Electrical and Electronics Engineering from Birla Institute of Technology & Science (BITS), Pilani.

After a brief stint in the Electrical Department, he served in OIL's Geophysics Department for a decade. Later, as a pioneering member of OIL's IT Department, Shri Roy Choudhury played a key role in the design and

implementation of LAN and WAN across all areas of OIL. Subsequently, Shri Roy Choudhury moved to the Contracts department and later to OIL's Corporate office in Noida as Chief Manager (Contracts) until 2014. There, he was promoted to the position of Chief General Manager in the Corporate Planning Department in 2017, and then to the position of Executive Director (Corporate Affairs) in 2019, until February 2020. In 2020, he was transferred to Duliajan and entrusted with the position of Executive Director, Production Services. Shri Roy Choudhury also holds the position of Chairman of Indradhanush Gas Grid Limited (IGGL), nominated by OIL.

Honours

Showcasing Excellence

OIL Wins Best Stall Award at Vibrant North East Summit & Expo 2023

OIL bagged the best stall award at the Vibrant North East summit & expo 2023 at Guwahati. The award was given away to the OIL team in the presence of Dr. M J Khan, Chairman, Indian Chamber of Food and Agriculture, Dr. V.K Mishra, Director, ICAR Barapani, Meghalaya, Mr. Naveen Dhingra, CGM, NABARD, Mr. Pankaj Pathak, Member Ministry of Labour & Employment, GoI and advisor, CARD.



Drilling Services Shines

Greentech Excellence Award 2022 Conferred to Oil India Limited

Greentech Foundation Global workplace safety awards had recognized every year the outstanding and exemplary initiatives and practice in the areas of developing effective safety culture to reduce and prevent incidents and accidents to save precious human lives at workplace.

The Drilling Department aims to have the highest HSE standard, and abide by the statutory norms. In view above we are happy to announce that Drilling HSE section, OIL INDIA Ltd. has won Greentech Excellent award 2022 under the categories of Safety Excellence. The award ceremony held in New Delhi, Hotel -Le Meriden in presence of Hon'ble Ex-Chief-justice of Supreme court Mr. Dipak Misra, Mr. R. Sathiyasundaram (IPS) - Addl. Commissioner of Delhi

Traffic Police and other prominent dignitary of Indian Oil & Gas sector.



Safety Champions

Workover Mine (OGPS Department) Wins Employee Safety Award at ET Energy Leadership Awards 2023

The Employee Safety Award (Oil & Gas) for The Economic Times Energy Leadership Awards 2023 has been awarded to **WORKOVERMINE (OGPSDEPARTMENT)** of Oil India Limited at the ENERGY LEADERSHIP SUMMIT held at the Hyatt Regency in New Delhi. The Employee Safety Award highlights the OGPS Department's dedication to ensuring a safe working environment for employees. This recognition emphasizes OIL's commitment to fostering a strong safety culture and implementing effective safety measures.



Recognizing Excellence

Oil India Limited Honoured with Prestigious SAKSHAM 2023 Award

Oil India Limited was bestowed with the SAKSHAM 2023 award by PCRA - Petroleum Conservation Research Association for its significant contribution towards energy conservation & fuel efficiency. The award was handed over by Hon'ble Minister of State Petroleum Minister & Law Ministry, Shri Rameswar Teli in New Delhi. Shri Harish Madhav, Director (Finance) & Shri Ashok Das, Director (HR) accepted the award from the hon'ble Minister Shri Rameswar Teli on behalf of OIL.



BCPL felicitates Shri Nayanjyoti Saikia Master Chef Season 7

In a programme organised by BCPL Management, winner of Master Chef India Season 7 Shri Nayanjyoti Saikia was felicitated at BCPL Guest house on 10th April 2023. Shri Nayanjyoti Saikia emerged as the winner of the 13-week-long competition of Master Chef India. Saikia's win is significant not only for himself but also for the Northeast region. His success is sure to inspire many aspiring chefs from the region to follow their dreams and put Northeast cuisine on the world stage.

The event was graced by Shri Reep Hazarika Managing Director, BCPL. Senior officials of BCPL, employees and their family members were also present during the occasion. Shri Hazarika congratulated him and felicitated with a phoolam gamusa, traditional jaapi, seleng chador and a citation for bringing laurel to the state.

During the interaction Shri Nayanjyoti Saikia shared his journey of master chef India and also his dreams to showcase the exquisite cuisines of North East to the world.



Friendly cricket match between BCPL (BCPL XI) and District Administration (DC XI) on 17th April 2023

A friendly cricket match between BCPL (BCPL XI) and District Administration (DC XI) was held in Outdoor stadium of Dibrugarh. The match was organised by Dibrugarh District Sports Association (DDSA) Shri Sarbananda Sonowal, Hon'ble Union Minister of Ports, Shipping & Waterways, Minister of AYUSH graced the event.

During the match Shri Pruthiviraj Dash Director (Finance) BCPL, office bearers of DDSA, higher officials of the district administration and BCPL were also present. Team BCPL won the match. Few glimpses of the match.



7th Rongali Bihu Sanmilan at BCPL Township

BCPL Staff Welfare Committee in association with BCPL celebrated the Soptom Rongali Bihu Sanmilan at BCPL Township on 23rd April 2023. The event was inaugurated by Shri Pruthiviraj Dash, Director (Finance) and Swahid Tarpan was done by BCPL family. The program commenced

with *Mukoli Bihu Pradarshan* and *Jeng Bihu* by local artists of Barbaruah. A Bihu performance was presented by the children of BCPL employees. This was followed by traditional games like *Koni juj*, *tekeli bhonga* (breaking the pot) and other fun games.

A Bihuwoti competition was also organized during the event. The cultural evening was inaugurated by Shri Reep Hazarika, Managing Director BCPL.

Nandini Kashyap, daughter of Dhol Samrat Somnath Borah Oja, a national award winner and her group mesmerized the audience with her beautiful display of musical folk instrument *Dhol, Pepa, Gagana, khol, flute, taal* and *Negera* etc.



The main attraction of the cultural evening was performance by renowned Music Composer, Singer Mr. Nilotpal Bora who is known for his most popular songs '*Majuli*', '*Sekseki Porua*' and presently based at Mumbai and giving many hit songs in web series like 7 Unplugged etc.



नराकास(कार्यालय), डिब्रूगढ़ सदस्यों हेतु एक दिवसीय संयुक्त हिंदी कार्यशाला का आयोजन

कार्यालयीन गतिविधियों में हिन्दी के प्रयोग में उत्तरोत्तर प्रगति हेतु तथा हिंदी प्रयोग को बढ़ावा देने के उद्देश्य से ब्रह्मपुत्र क्रैकर एंड पॉलिमर लिमिटेड के तत्वावधान तथा राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय के सहयोग से नराकास सदस्य कार्यालयों के लिए दिनांक 27.06.2023 को “हिंदी प्रशिक्षण एवं हिंदी ज्ञान संबंधी रोस्टर कैसे बनाएं, समस्याएं तथा समाधान” विषय पर एक दिवसीय संयुक्त हिंदी कार्यशाला का आयोजन राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय किया गया।

उक्त प्रशिक्षण कार्यशाला के उद्घाटन समारोह में मुख्य अतिथि के रूप में राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय के उप महानिदेशक डॉ. के. एम.सिंह उपस्थित थे। कार्यशाला में संकाय सदस्य के रूप में हिंदी शिक्षण योजना, डिब्रूगढ़ के सहायक निदेशक श्री भास्कर बाबू तथा मंचासीन अतिथि के रूप में राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय के सहायक निदेशक श्री सुब्रतो दास एवं बीसीपीएल के अधीक्षक (हिंदी) श्री रंजन कलिता भी उपस्थित थे।

कार्यशाला का औपचारिक उद्घाटन करते हुए उप महानिदेशक डॉ. के. एम.सिंह ने कहा कि हिंदी प्रशिक्षण एवं हिंदी ज्ञान संबंधी रोस्टर कैसे बनाएं, समस्याएं तथा समाधान विषय पर एक दिवसीय कार्यशाला का आयोजन सराहनीय है। ऐसे विषय कार्यालय के हिंदी विभाग के कर्मिकों के साथ-साथ अन्य कर्मिकों के लिए बहुत लाभदायक है। इस प्रशिक्षण के बाद प्रतिभागियों के लिए हिंदी प्रशिक्षण संबंधी आंकड़ों को सही ढंग से तिमाही प्रगति रिपोर्ट में भरना आसान हो जाएगा।

कार्यशाला के प्रथम सत्र में उपस्थित प्रतिभागियों को संकाय सदस्य श्री भास्कर बाबू ने हिंदी शिक्षण योजना द्वारा जारी अद्यतन तथा नवीनतम परिपत्रों के बारे

में जानकारी देने के साथ-साथ हिंदी परीक्षा संबंधी प्रोत्साहन राशि के बारे में भी बताया। कार्यशाला के द्वितीय सत्र में कार्यालय के कर्मिकों के हिंदी ज्ञान संबंधी रोस्टर को भरते समय ध्यान देने वाले मद्दों को बताया। इसके साथ ही सभी उपस्थित प्रतिभागियों को रोस्टर की प्रतिलिपि उपलब्ध कराते हुए वास्तविक रूप से अभ्यास भी कराया गया। कार्यशाला का संचालन राष्ट्रीय प्रतिदर्श सर्वेक्षण कार्यालय के कनिष्ठ हिंदी प्रभारी श्री लहर देबनाथ तथा कनिष्ठ सचिवालय सहायक सुश्री अनु कुमारी ने किया।

कार्यशाला में उपस्थित अधिकारियों एवं कर्मचारियों ने अपने फीडबैक में कार्यशाला में दी गई जानकारी की सराहना की और कहा कि कार्यशाला उनके लिए काफी उपयोगी रही जिसका उपयोग वे अपने कार्यालय के कार्यों में करेंगे। उक्त हिंदी कार्यशाला में नराकास सदस्य कार्यालयों से कुल 39 सदस्यों ने भाग लिया।



नुमालीगढ़ रिफाइनरी में हिंदी कार्यशाला का आयोजन

दिनांक 25 अप्रैल, 2023 को नुमालीगढ़ रिफाइनरी के कर्मचारियों के लिए “हिंदी भाषा पाठ्यक्रमों का सरल एवं सहज अध्ययन एवं व्यावहारिक प्रयोग” शीर्षक पर एक अर्ध-दिवसीय हिंदी कार्यशाला का आयोजन दोयांग अतिथिशाला में सम्पन्न हुई। कार्यशाला का उद्देश्य विशेष रूप से मई, 2023 में आयोजित होनेवाली भारत सरकार, राजभाषा विभाग द्वारा संचालित हिंदी प्रबोध, प्रवीण और प्राज्ञ परीक्षा में अवतीर्ण होनेवाले कर्मचारियों को परीक्षा के लिए अच्छी तरह तैयारी करने के लिए था ताकि परीक्षा में अच्छे अंकों से उत्तीर्ण होने के साथ-साथ अपने दैनंदिन कार्यालयीन कामकाज में भी हिंदी का प्रयोग अधिक से अधिक

कर सके। फैकाल्टी के तौर पर उत्तर पूर्व विज्ञान एवं प्रौद्योगिकी संस्थान, जोरहाट के हिंदी अधिकारी श्री अजय कुमार जी को आमंत्रण किया गया था। कार्यशाला के उद्घाटन सत्र में वरिष्ठ प्रबंधक (मानव संसाधन) श्री गौरव दास जी उपस्थित रहकर प्रतिभागियों का हौसला बढ़ाया। कार्यशाला में कुल 10 प्रतिभागियों ने उत्साहपूर्वक भाग लिया। इस अवसर पर जनवरी-मार्च, 2023 तिमाही के दौरान आयोजित “हिंदी ईमेल” प्रतियोगिता के विजेता प्रतिभागियों को पुरस्कृत किया गया।

नुमालीगढ़ रिफाइनरी में तिमाही ई-मेल प्रतियोगिता के विजेताओं को पुरस्कार प्रदान

कार्यालय में हिंदी पत्राचार को बढ़ावा देने और राजभाषा विभाग द्वारा जारी वार्षिक लक्ष्य को प्राप्त करने के उद्देश्य से नुमालीगढ़ रिफाइनरी के कर्मचारियों के लिए नियमित रूप से आयोजित की जा रही त्रैमासिक ई-मेल प्रतियोगिता की जनवरी-मार्च, 2023 तिमाही की विजेता कर्मचारियों की सूची निम्नवत है –

क्रम सं.	पुरस्कार	विजेता प्रतिभागियों का नाम
1.	प्रथम	श्री अलीन्द्र बर्मन, सचिव-सीजीएम (मा.सं. व विधि)
2.	द्वितीय	श्रीमती रत्ना दास, कार्यालय सहायक (पीएण्डए)
3.	तृतीय	श्री सिराजुल मन्नान राजवी, अधिकारी (एनआरएमटी)
4.	प्रतिभागिता पुरस्कार	1. श्री रितु हाती बरुवा, अधिकारी (वाणिज्य) 2. श्री पंकज छेत्री, कार्यालय सहायक,

भारत सरकार, राजभाषा विभाग के अधीन केंद्रीय हिंदी प्रशिक्षण संस्थान द्वारा संचालित पत्राचार के माध्यम से हिंदी प्रबोध, प्रवीण और प्राज्ञ पाठ्यक्रम की परीक्षा में एनआरएल कर्मचारी अवतीर्ण

कर्मचारियों को शत प्रतिशत हिंदी में प्रशिक्षित कराने का भारत सरकार, राजभाषा विभाग द्वारा तय किए गए वार्षिक लक्ष्य को प्राप्त करने के लिए, नुमालीगढ़ रिफाइनरी का निरंतर कोशिश के परिणाम स्वरूप अकाडेमिक सत्र 2022-23 के दौरान कुल 11 कर्मचारियों ने रजिस्ट्रेशन कराए थे। इनमें से प्रबोध पाठ्यक्रम का एक, प्रवीण के सात और प्राज्ञ के तीन। परंतु परीक्षा के समय चल

रहे प्लांट शाटडाउन की वजह से उक्त परीक्षा में सिर्फ पांच कर्मचारी ही अवतीर्ण हो पाए। और इन पांच कर्मचारियों ने गत 15 एवं 16 मई, 2023 को उत्तर पूर्व विज्ञान तथा प्रौद्योगिकी संस्थान, जोरहाट परिसर में स्थित केंद्रीय विद्यालय परीक्षा केंद्र में आयोजित परीक्षा में अवतीर्ण हुए थे। परीक्षा का परिणाम जुलाई, 2023 में घोषित किया जाएगा।



परीक्षा निरीक्षकों के साथ प्रबोध, प्रवीण और प्राज्ञ पाठ्यक्रम के एनआरएल के परीक्षार्थीगण

পহিলা ব'হাগৰ 'নিজৰ দিন' উদযাপন

বিগত বৰ্ষসমূহৰ দৰে নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাই অসম সাহিত্য সভাৰ কাৰ্যসূচী 'নিজৰ দিন' ৰ উপলক্ষে নিম্ন উল্লেখিত পাচ গৰাকী অনীতিপৰ/বয়োজেষ্ঠ ব্যক্তিক পহিলা ব'হাগৰ দিনটোতে তেখেতসকলৰ গৃহলৈ গৈ বিহুৰ শুভেচ্ছা জনোৱাৰ লগতে অসম সাহিত্য সভাৰ ওলগনি পত্ৰ প্ৰদান কৰা হয়। বয়োজেষ্ঠ শ্ৰদ্ধাৰ ব্যক্তি সকলৰ ভিতৰত আছিল শ্ৰীযুত আনন্দ শৰ্মা, শ্ৰীযুতা ৰঞ্জী দেৱী, শ্ৰীযুতা হেমলতা দেৱী, শ্ৰীযুতা বিমলা বড়া শইকীয়া আৰু শ্ৰীযুতা খৰ্গেশ্বৰী দেৱী।



গোলাঘাট জিলা সাহিত্য সভা আৰু নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাৰ বৰ্ষপঞ্জী উন্মোচন

গোলাঘাট জিলা সাহিত্য সভাৰ সভাকক্ষত অনুষ্ঠিত 'বিশেষ সম্বৰ্ধনা' সভাত অসম সাহিত্য সভাৰ সভাপতি পদ্মশ্ৰী ড॰ সূৰ্যকান্ত হাজৰিকাদেৱে নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাৰ দ্বাৰা প্ৰকাশিত গোলাঘাট জিলা সাহিত্য সভা আৰু নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাৰ বৰ্ষপঞ্জীখন উন্মোচন কৰে। সভাত শাখা সাহিত্য সভাৰ সভাপতি শ্ৰীযুত হেমন্ত কুমাৰ নাথ, উপ-সভাপতি শ্ৰীযুত দিলীপ শইকীয়া আৰু সম্পাদক শ্ৰীযুত অজিত কুমাৰ দাস উপস্থিত থাকি নৱ-নিৰ্বাচিত সভাপতি গৰাকীক ফুলাম গামোচা আৰু সভাৰ মুখপত্ৰ কাচিয়লীৰে উন্ন আদৰণি জনায়।



নিয়ৰ ডেকাৰ মৃত্যুত শোক প্ৰকাশ

এজন সম্ভাৱনাপূৰ্ণ অভিযন্তাৰ অকাল মৃত্যুত নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাই আয়োজন কৰা শ্ৰদ্ধাঞ্জলি অনুষ্ঠানত কুঞ্জকাননৰ এজাক ভগ্ন হৃদয়বান লোকৰ একাজলি অশ্রু অঞ্জলি।

বিষ্ণুৰাভা দিৱস উৎযাপন

প্ৰতিবছৰে এই 20 জুনত অসমৰ জাতীয় জীৱনৰ চিৰস্মৰণীয় সংগ্ৰামী শিল্পী কলাগুৰু বিষ্ণু প্ৰসাদ ৰাভাৰ স্মৃতি দিৱসটিত নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাই শিল্পীগৰাকীক স্মৰণ কৰি আহিছে। ৰাভা দিৱসৰ লগত সংগতি ৰাখি সভাৰ সভাকক্ষ ‘অশ্বেষণত’ আয়োজিত

অস্তবংগ গধূলি অনুষ্ঠানত ৰাভাদেৱৰ বিভিন্ন দিশ আলোচনাৰ মাজতে বিভিন্নজনে তেখেতৰ কালজয়ী গীত সমূহ চৰ্চা কৰাৰ লগতে কবিতা আবৃত্তি কৰি শিল্পী গৰাকীৰ প্ৰতি শ্ৰদ্ধা নিবেদন কৰে।



ভোক

পাৰ্থ প্ৰতিম গোস্বামী

জি ই টি (চিভিল)

পাইপলাইন প্ৰকল্প

ক্ৰমশঃ যোৱা সংখ্যাৰ পৰা.....

.....থকা হৈছে সেই কথা সি বুজে। আন নহ’লেও তাইৰ কান্ধৰ কাষৰ এৰাই যোৱা উলৰ চুৱেটাৰটো সলাই নতুন চুৱেটাৰ এটা দিয়াৰ প্ৰয়োজনো সি নুবুজাকৈ নথকা নহয়! আৰু পাৰিলে মাকৰ কাৰণে গৰম মোজা এজোৰকে বিহুত লৈ নোযোৱাকৈ থাকিব পাৰি জানো? এই আটাইবোৰ আশা-আকাংক্ষাক হত্যা কৰি কবৰ দিয়াৰ পৰিকল্পনা মালিকে কৰিলেও সেয়া সি হ’ব দিব নোৱাৰে। মাত্ৰ কেইমাহমান আগতে হোটেলৰ হাউচকিপিঙৰ চাকৰিত সোমোৱা ল’ৰাজন, নয়ন-বুলবুলহঁতৰ দৰে জড় যন্ত্ৰ এটা হ’বলৈ এতিয়াও বাকী!

মাঘৰ বিহুৰ দিন কাষ চপাৰ লগে-লগে মণিৰ গাত তৎ নাইকীয়া হয়! মৰণা মাৰি চপাই থোৱা খেৰবোৰত গা ঘঁহাই ভোলু কেনেকৈ লেতেৰা হ’ল নে কি? তাইৰ সমবয়সীয়া পাপৰিলৈ মাকে লাডু-পিঠা পুৰিলেই নে কি? মণিলৈ বা

মাকে ৰ’দত শুকাই থোৱা তিল গুৰি কৰি লাডু কেতিয়াকৈ বান্ধিব? সেই লাডুবোৰ ভাঙি ভাঙি চোতালত পেলাই ভোলুক খাব দিলে খাব নে নাই! এইবোৰ তাইৰ ঢেৰ চিন্তা... ‘এইবাৰ বিহুত লাডু-পিঠা বিচাৰি মাক বেছি আমনি নকৰিবি দেই! মই তোলৈ আৰু ভোলুলৈ ভাল চকলেট দুটামান লৈ যাম!’

-ফোনত চকলেটৰ কথাৰে ফুচুলাই থ’লেও উৰ্জকাৰ দুদিন আগতেই মণিলৈ বুলি সুমথিৰা ৰঙৰ ফুলাম চুৱেটাৰ এটা আৰু মাকলৈ বুলি কঁকালৰ বিষৰ দৰৰ আৰু মোজা এজোৰ সি কিনি থৈছে। যাওঁতে উৰ্জকা বুলি চাৰিআলিত মাংস কটা ৰামলালৰ দোকানৰ পৰা মাংস আধা কেজিও লৈছে। পিছত যেনিবা ভোলুৰ ভুক-ভুকনিতাই ককায়েক আহিছে বুলি গম পাই পদূলিলৈকে মণি দৌৰি যায়। যাওঁতে ‘দাদা আহিছে’ বুলি তাই প্ৰয়োজনতকৈ কিছু ডাঙৰকৈ চিঞৰি চকী এখনত

বহি ব'দৰ সেক লৈ থকা মাকজনীকো জনাই থৈ গ'ল!

মণিৰ দৰে মাকৰো পদূলিলৈ দৌৰি যাবৰ মন এটা নথকা নহয়। কিন্তু মাকে বিচৰা ধৰণে চকীখন এৰি দৌৰি যাব পৰা নাই! হয়তো 'এইবাৰো যদি সি ভোকত খং-অভিমান কৰি কাকো মাতবোল নকৰাকৈ শুই থাকে' ধৰণৰ ধাৰনা এটাই মাকক চকীখনত বান্ধি থৈছে!

উৰ্দ্ধকাৰ নিশা বতাহত যেতিয়া আধা ভজা মাছ-মঙহৰ গন্ধ এটি বতাহ বিয়পি যায়, তেতিয়া বকুলেও কাষত মণিক বহাই লৈ মাংস বন্ধাৰ আয়োজন কৰে। আজি মাংসখন সি তাৰ নিজৰ মতে বান্ধিব! পীৰা এখনত বহি মণিয়ে সৰু কটাৰী এখন লৈ ইতিমধ্যেই মাকে কাটি থোৱা আলুকেইটাৰ ওপৰত কিছু আঁক-বাঁক কৰিছে! সেইয়া তাইৰ মতে তাই আজিকালি আলু-বিলাহী কাটিব পৰা হৈছে যেতিয়া; আৰু চিন্তা নাই!

: 'তাত খোৱা-বোৱা ভাল নে?'

: 'উম্। ভালেই।'

: 'কেতিয়াবা খালি পেটে শুব লগা হৈছে নেকি?'

: 'নাই। আমাৰ কাৰণে খাবলৈ আগতীয়াকৈ পাকঘৰত বেলেগে ৰাখি থোৱা হয়।'

-ঘৰত খাবলৈ নাপাই অভিমান কৰাৰ দৰে হোটেলত পুতেকে লঘোণে-ভোকে থাকিব লগা হোৱা নাই তেন্তে! নুসুধিলে পিছত মনটো উচপিচাই থাকিব পাৰে বুলি কথা কেইটামান অলসভাৱে মাকে তাক সোধে। বকুলে অনা গৰম মোজাজোৰকে পিন্ধি তেওঁ চৌকাৰ ওচৰত বহি সি মাংস বন্ধা চাইছে। বেমাৰে জুৰুলা কৰাৰ পৰা মাংস খাবলৈ এৰা মাকলৈ সি কণী দুটাও সিজাই দিছে!

মাকক প্ৰথমতে ভাত সাঁজ খুৱাই লৈ সি মাকৰ বিচনাখন পাৰে। মণি আজি তাৰ লগতে শুব। আৰু অলপপৰ বহি বকুল-মণিৰ লগত কথা পতাৰ হেঁপাহ থাকিলেও, 'ৰাতি দেৰিলৈকে থাকিলে তোৰ আকৌ বেমাৰে পাব। মণিক কোনে চাব?' বুলি বকুলে মাকক জোৰ কৰি শুৱাই থয়!

: 'মোক ভোলুৱে চাব!'

-উপৰাই উত্তৰ দিয়া মণিজনীয়ে তেতিয়াও ভাত খোৱাই নাই। তাই ককায়েকৰ লগতে ভাত খাব বুলি ঠেহ পাতিছে! তাতোকৈ ডাঙৰ কথা...! আজি হেনো তাই দুয়োৰে ভাত বাঢ়িব! তাই যে এতিয়া ভাত বাঢ়িব পৰা হ'ল!

: 'প্ৰথমতে ভাত বাঢ়ে। তাৰ পিছত হে মাংস দিব পাৰি।'

: 'নালাগে! প্ৰথমতে মাংস...'

'প্ৰথমতে ককায়েকৰ কাঁহীত মাংস দিয়াৰ পিছতহে তাই নিজে ল'ব। মাংসৰ কেৰাহীটোত থকা হেতাখন তাইৰ জোখতকৈ ডাঙৰ হৈছে। ককায়েকক মাংস দিবলৈ লওতে কেৰাহীটো কেনেকৈ এফলীয়া হৈ প্ৰায়খিনি মাংস মাটিত পৰি যায়! হঠাতে কেনি কি হ'ল একো তৰকিব নোৱাৰি মণিয়ে পেঁ-পেঁ কৈ ফঁকুৰি উঠে!

'ভাল ছোৱালীয়ে কান্দিব নাপায়', 'চা চোন! ভোলুৱে জিভাখন মেলি কেনেকৈ তোক লাজ দি আছে'- জাতীয় কেইটামান কথা কৈ, কেৰাহীত ৰৈ যোৱা 'মাংস কেইডোখৰেৰে বকুলে মণিক কোনোমতে ভাত কেইটামান খুৱায়। খোৱা হোৱাৰ পিছত তাই মাটিত পৰা মাংস কেইটুকুৰামান লৈ পিৰালিত বহি থকা ভোলুলৈ দলিয়াই দিছে!

: 'দাদা, মাটিত পৰা মাংস ভোলুৱে খাব নে?'

: 'জানো! ভোলুৰ কথা তইহে জানিবি!'

-মুখখন মেলি ওচৰলৈ দৌৰি আহি ভোলুৱে চকুৰ পচাৰতে মাংসখিনি পৰম তৃপ্তিৰে খাই শেষ কৰে। ভোলুৰ কোমল মূৰটোত মণিয়ে কিছুসময় সন্তুৰ্ণ হাত বুলাইছে! জানোচা সি আমনি পাই আধা খোৱাকৈ গুচি যায়...!

ইতিমধ্যে মণিৰ ওঠেৰে খিলখিলকৈ হাঁহি এটি বাগৰিছে!

ভিজা দুচকুৰে অস্পষ্ট হৈ যোৱা মণিলৈ চাই বকুলে তাইক সাবটি লয়। একো এটা নোখোৱাকৈ বিচনাত উঠিও সি আজি ভোকত শোৱা নাই! যি ভোকে প্ৰতিনিশাই উজাই গৈছিল তাৰ পেটৰ পৰা মূৰলৈ! পিয়াঁজ-নিমখেৰে শুদা ভাত খাব নোৱাৰা দিনৰ পৰা হোটেলত মাছে-মঙহে বৰভোজ খোৱা দিনলৈকে কাহানিও ভোকে পিছ নেৰা বকুলৰ আজি ভোক লগা নাই! সেই ভোক আৰু এই ভোক একে নহয়...



MD's NRL Day Message

Dear Colleagues,

Heartfelt greetings to you and your family on the occasion of 31st Foundation Day of NRL !

Today is the day to pause, introspect, reflect, and celebrate our Company's journey and accomplishments of past three decades and take pride in the value that we have created for all stakeholders including our employees, neighbourhood and the State.

It gives me as sense of contentment that *Team NRL* has overcome unprecedented uncertainties during the year as a result of geo-political situations to accomplish stellar performance in almost all physical parameters. While the Refinery has for the first time exceeded its design capacity of Crude Throughput to process 3.093 Million Metric Tonnes (MMT), Distillate Yield at 87.6% was the highest since commissioning. I am sure that the Company's financial results will reflect the physical performance achieved.

The successful commissioning of India-Bangladesh Friendship Pipeline (IBFPL) on 18th of March 2023; the first cross border pipeline to Bangladesh; is a major accomplishment considering that the project was fraught with challenges posed by difficult logistics and repeated lockdowns during COVID times. This demonstrates the resilience of Team NRL in executing projects under adverse circumstances.

As the future beckons with considerable challenges that the oil industry is likely to face due to energy transition, NRL would require to navigate its path with dexterity and resolve to sustain its exemplary performance. Let us all rededicate ourselves to achieve the targets that we have set for ourselves.

This year's NRL Day celebrations are a bit muted because of the ongoing Refinery Turnaround, but the spirit remains.

I once again take the opportunity to wish you all a Happy NRL Day.

With sincere regards,

Bhaskar Jyoti Phukan
Managing Director

22nd of April, 2023



Dredging at Dhansiri river