

ब'दालि

रोदालि

July - September 2019, Vol. 64

# R o d a l i

House Journal of Numaligarh Refinery Limited



NUMALIGARH  
REFINERY  
LIMITED

A GOVERNMENT OF INDIA ENTERPRISE



**REDUCE THE USE OF**  
**#SingleUsePlastics**





# Editorial



*‘There are no secrets to success. It is the result of preparation, hard work and learning from failure.’*

- Colin Powell

## CONTENTS

|                        |    |
|------------------------|----|
| NRL News.....          | 1  |
| Technology Corner..... | 2  |
| NRL News.....          | 4  |
| People .....           | 23 |
| From the Archives..... | 25 |
| Family and Career..... | 25 |
| Club News.....         | 26 |
| DPS News.....          | 31 |
| VK NRL Hospital.....   | 33 |
| BPCL News.....         | 34 |
| BCPL News.....         | 36 |
| ABRPL News.....        | 37 |
| Hindi Section.....     | 37 |
| Assamese Section.....  | 40 |

Rodali : July - September 2019

Published by Corporate Communications Department

for Numaligarh Refinery Limited

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

Website: [www.nrl.co.in](http://www.nrl.co.in)

### Editorial Correspondence

[madhuchanda.adhikari@nrl.co.in](mailto:madhuchanda.adhikari@nrl.co.in)

[priyanka.hazarika@nrl.co.in](mailto:priyanka.hazarika@nrl.co.in)

Views expressed in this journal do not necessarily reflect the views of the Management

Design & Production: Exclusive Advertising Pvt. Ltd.

Living by the aforesaid tenet, Team NRL has done it again! The performance of the Company in different domains during the FY 2018-19 was consolidated at the AGM held on 16<sup>th</sup> August 2019. The year 2018-19 has definitely been a landmark year, ushering the Company in an era of unprecedented growth and diversification. Chairman's AGM address will give you a crisp summary of the year that was.

Hon'ble CM of Assam's presence in our Refinery Complex on 14<sup>th</sup> September 2019 and his whole hearted support for the upcoming Refinery Expansion Project boosted the morale of Management and Employees alike as they prepare to face the challenges that implementation of this mega project, the highest ever investment in the region so far is expected to pose.

A grand Award ceremony marked the culmination of the 4<sup>th</sup> edition of 'Be the Change' Suggestion Scheme – our Company's flagship employee engagement program that endeavours to encourage employee participation towards improvement in every sphere of the Company's activities. Read more about it in the feature published in this issue.

Adding to the list of accolades, our Company received the 'Refinery of the Year' Award and CII National Award for 'Noteworthy Water Efficient Unit' during this quarter, reinforcing its noteworthy credentials further.

While business remained upbeat, our CSR initiatives continued to touch lives. NRL also joined hands with meaningful campaigns spearheaded by the Central Government; such as the one on reducing the use of 'Single Use Plastics' in our day to day lives.

A glance through the colourful Club sections is sure to pep up your mood while sections on Associate companies and entities will keep you up-to-date on developments across the bigger NRL family.

Happy reading!

Best regards,

**Madhuchanda A Choudhury**

## Highlights of NRL's performance during Q2 of FY 2019-20

### Capacity Utilisation

NRL's crude throughput during the second quarter of the FY was 713 TMT. Cumulative crude throughput during the FY upto Sep'19 was 1394 TMT which is in line with crude receipt.

### Production Efficiency

Distillate yield during Jul-Sep'19 and Apr-Sep'19 were 85.86% and 84.97% respectively. MoU target for the year is 87.11%. Distillate yield during corresponding period of previous year was 86.93%.

Specific Energy Consumption (SEC) during Jul-Sep'19 and Apr-Sep'19 were 64.21 MBN and 63.84 MBN respectively vis-à-vis MoU target of 65.3.

Similarly, Energy Intensity Index (EII) recorded during Jul-Sep'19 and Apr-Sep'19 were 85.67 and 86.02 respectively vis-à-vis internal target of 87.0. EII during corresponding period of previous year was 91.30.

### Capital expenditure

Capital expenditure during Apr-Sept'19 was ₹86 Crore against annual MoU target of ₹460 Crore.

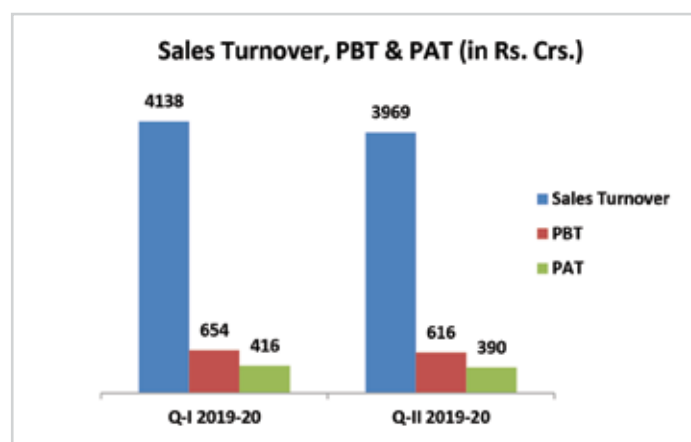
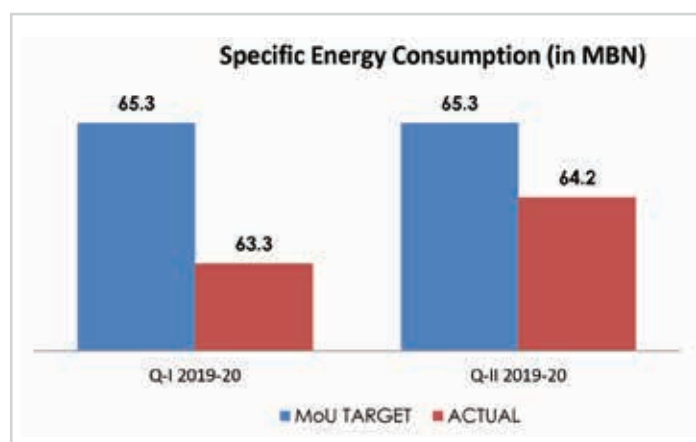
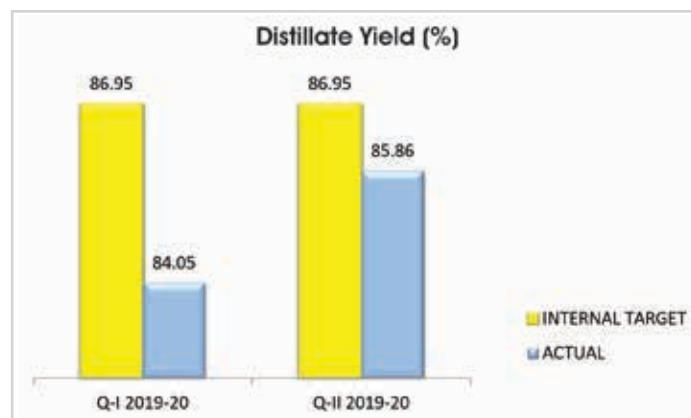
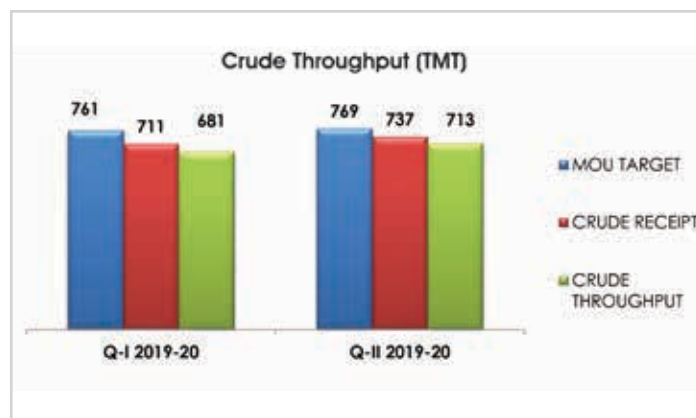
### Project implementation

#### New SRU:

NRL is implementing a Sulphur Recovery Unit to process mixed feed stock of Acid Gas and Sour gas. The mechanical completion of New SRU was achieved on 10.08.2019.

### Financial Performance

- Sales turnover during the second quarter of the FY was ₹3,696 Crore and Apr-Sep'19 was ₹8,108 Crore.
- Gross Refining Margin during the second quarter was \$8.66 per bbl and Apr-Sep'19 was \$9.63 per bbl.
- PBT during Jul-Sep'19 and Apr-Sep'19 were ₹616 Crore and ₹1,270 Crore whereas PBT during Q2 of 2018-19 was ₹694 Crore.
- PAT during Jul-Sep'19 and Apr-Sep'19 were recorded at ₹390 Crore and ₹806 Crore respectively.



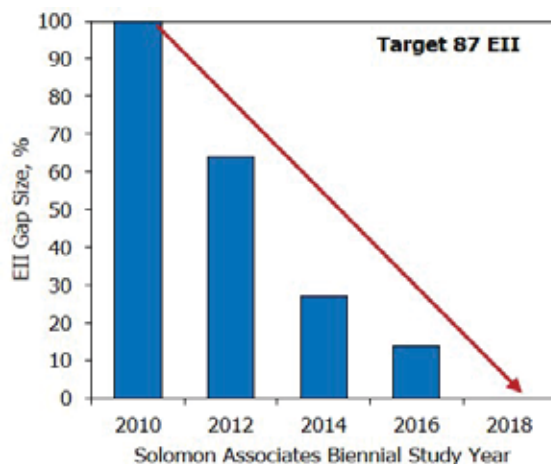
## EII Improvement – Success Story for NRL

### Article 1

#### Numaligarh Refinery achieves and surpasses the Performance Benchmarking Target for Energy Efficiency

Our Company has been recognized as the first PSU refinery in India to achieve the **Energy Intensity Index™ (EII®)** target set by Solomon Associates in the initial comprehensive performance benchmarking of Indian refineries.

The figure shown directly below illustrates this impressive achievement.



Worldwide, the average refinery improves energy efficiency by one EII point per year.

The NRL team has improved EII by a rate four-times the world average in moving from 116 EII in the 2010 Solomon Study to 85 EII in the 2018 Solomon Study.

Raised awareness through external benchmarking and actionable insights provided by Solomon Associates helped motivate our Company to attain this high rate of performance improvement.

The current Solomon Study also places NRL in the first quartile for EII when benchmarked against refineries in the Asia/Pacific/Indian Ocean region with capacity less than 8.8 MMTPA.

These achievements show our shareholders that NRL is focused on continuous improvement and can be trusted to extract the most value from the capacity expansion to 9.0 MMTPA.

In coming articles, the specific actions taken by the NRL team over the past eight-plus years to improve energy efficiency will be featured.

Please remember that energy costs represent more than 50% of the Cash Operating Expenses (OpEx) at NRL.



B J Phukan, Director (Technical)

Understanding what good performance looks like and achieving even more challenging EII targets is important to ensure the continued success of our Company.

### Article 2

#### How did our Company achieve and surpass the Performance Benchmarking Target for Energy Efficiency?

Earlier this month, our Company was recognized as the first PSU refinery in India to achieve the Energy Intensity Index™ (EII®) target set by Solomon Associates in the initial comprehensive performance benchmarking of Indian refineries.

The NRL team has improved EII by a **rate four-times the world average**.

In current economic terms, this achievement has reduced cash operating expenses by more than ₹200 crore annually.

This article, and the series of articles that follow, will focus on actions taken by the NRL team over the past eight-plus years to improve energy efficiency.

The NRL team achieved this energy efficiency target because; 1) we were not comfortable with initial bottom quartile EII ranking in the calendar-year 2010 Solomon Study, 2) we all shared a vision for operational excellence, and 3) we acted with entrepreneurial spirit to make our Company more competitive.

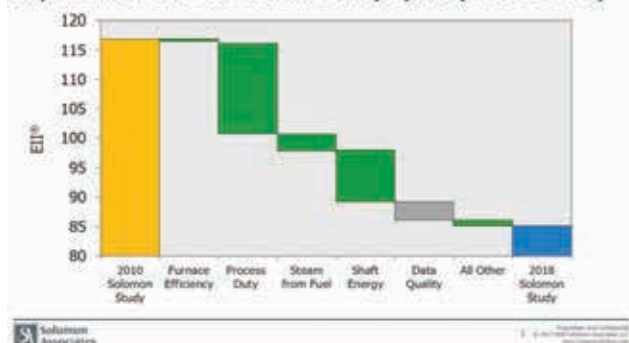
The figure shown directly below illustrates our EII-related improvement in six subcategories:

- Process Unit Fired-Heater Efficiency
- Process Unit Fired-Heater Process Duty
- Steam Produced from Fired Fuel Sources
- Shaft Energy
- Data Quality
- All Other

The two main areas of energy efficiency improvement were reductions in **Process Unit Fired-Heater Process Duty** demand and **Shaft Energy** demand.

These two areas represent 49% and 27%, respectively, of the EII Gap closure seen in moving from 116 EII in the 2010 Solomon Study to 85 EII in the 2018 Solomon Study.

**EII® Performance Improvement Good News**  
Improvement over five biennial Study Cycles (2010 to 2018)



The **Process Unit Fired-Heater Efficiency** category at NRL represents the energy associated with fired heater loses to the atmosphere.

This is energy lost through the heater walls and through stack gas.

Our Company has received awards for excellence in this category during the Oil and Gas Conservation Fortnight (OGCF) celebrated throughout the country.

The **Process Unit Fired-Heater Process Duty** category at NRL represents the energy associated with chemical reactions and fractionation.

For example, the Delayed Coker Unit (DCU) furnace 03-FF-001 requires large amounts of fuel to achieve the reaction conditions associated with the Coke Drum Outlet Temperature of 435 °C.

The **Steam Produced from Fired Fuel Sources** category at NRL currently represents the energy associated with steam raised from high-temperature sources:

- Utility Boilers
- Heat Recovery Steam Generators (HRSGs) associated with Fired Turbines
- Process Heater Convection Sections (like those in the CDU and VDU heaters)

Deductions are made in this category for energy consumed by condensing and topping turbines using the methodology for the Shaft Energy category calculation.

The **Shaft Energy** category at NRL represents the energy associated with rotating equipment and electrical power demand:

- Fired turbines (like GTG1 and GTG2)
- Internal combustion engines (like the emergency diesel generators)
- Topping or let-down steam turbines
- Steam turbines associated with condensing of steam (like the STG)
- Net purchased electricity

The **Data Quality** category represents the level of confidence that Solomon Associates has with the benchmarking study

input data supplied by our Company.

The **All Other** category represents the energy associated with Sulfur Recovery Unit (SRU), Tail Gas Recovery unit, Coker Calciner Unit (CCU), flare pilots, etc.

## Article 3

**Minimizing the amount of valuable heater fuel energy that is sent to the atmosphere is important to NRL.**

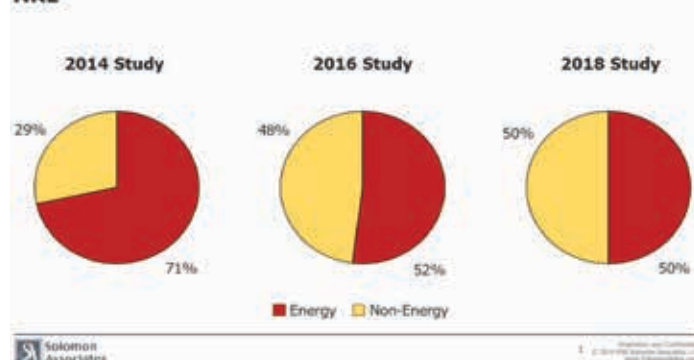
The fuel burned in our refinery was fifty percent (50%) of the total Cash Operating Expense (OpEx) in the 2018 Study, as shown in the figure directly below.

The economic value of this fuel was assessed by Solomon Associates at ₹518 crore for calendar-year 2018.

It is also important to note that the unit cost (Rupee/Gigajoule) of energy in India is among the highest in the world because most of the fuel energy must be imported.

The NRL team understands these cost impacts and is focused on making the most efficient use of this expensive and valuable fuel energy.

**Refinery Cash OpEx Components**  
NRL



This article is one of six that will illustrate our Energy Intensity Index™ (EII®) related improvements in these subcategories:

- **Process Unit Fired-Heater Efficiency**
- Process Unit Fired-Heater Process Duty
- Steam Produced from Fired Fuel Sources
- Shaft Energy
- Data Quality
- All Other

Process Unit Fired-Heater Inefficiency represents the energy associated with fired heater loses to the atmosphere.

This is energy lost through the heater walls and through stack gas.

In the 2018 Solomon Study, the efficiency of the Process Fired Heaters in our Company averaged 91.5%.

This means that 8.5% of the fuel energy burned in Process Fired Heaters goes to the atmosphere.

The fired heater efficiency at NRL is significantly higher than the Asia/Pacific/Indian Ocean region average of 88.4%.

Damaged or low-quality insulation in furnace and heaters increases heat loss to the atmosphere.

That is why our Company routinely conducts insulation effectiveness surveys and upgrades insulation when the opportunities arise.

Cooler gas in the stacks of the furnaces and heaters improves energy efficiency.

There is a practical limit to how much the stack gasses can be cooled.

Cooling the flue gases too much can create problems.

Stack gas (flue gas) falling below the dew point can accelerate corrosion and add to our maintenance expense.

Controlling excess oxygen in furnace and heaters is also a priority of the NRL operation team.

This activity has a large impact on keeping the furnace and heaters operating efficiently.

How do we know if we are doing well in minimizing the amount of valuable heater fuel energy that is sent to the atmosphere?

One way is to benchmark our performance.

Our Company has received awards for excellence in the furnace efficiency category during the Oil and Gas Conservation Fortnight (OGCF) celebrated throughout the country.

In the 2016 Solomon Study our Company was recognized by Solomon Associates as having the best "Process Fired Furnace Efficiency" among all the refineries in India.

These awards and recognition are good benchmarking feedback showing that our Company has achieved the top tier performance level in the furnace efficiency category.

*The rest of the articles in this series will follow as a sequel in subsequent issues of Rodali.*

## NRL News

### AGM

## 26<sup>th</sup> Annual General Meeting of NRL held

- Highest ever Turnover at Rs. 18,511 Crore
- Highest ever Sales Volume at 2,978 TMT
- Total dividend of 170% declared for the year 2018-19



Chairman Mr. D Rajkumar presiding over the 26<sup>th</sup> Annual General Meeting of the Company alongside shareholders at NRL's Corporate Office in Guwahati on 16.08.19

The 26<sup>th</sup> Annual General Meeting of our Company was held at its Corporate Office in Guwahati on Friday, the 16<sup>th</sup> of August, 2019. The Meeting was presided over by Mr. D. Rajkumar, Chairman and Managing Director -Bharat Petroleum Corporation Limited (BPCL) and Chairman-NRL and was attended by Mr. S K Barua, Managing Director NRL, other members of the NRL Board and shareholders of the

Company. The Company declared a total dividend of Rs. 17 per share for the year 2018-19.

Commenting on the results recorded during the financial year 2018-19, Chairman NRL Mr. D Rajkumar said, 'NRL is the rising star of the North East. I see a great future for the Company as one of the front ranking global energy companies.' Full text of the Chairman's AGM address to the shareholders is reproduced below for benefit of our readers.

The year 2018-19 will go down in the history of the Company as a landmark year when the Union Government gave its formal approval in January 2019 for enhancing the Refinery's capacity from existing 3 MMTPA to 9 MMTPA at a project cost exceeding Rs. 22,000 Crore, the highest ever investment in North East India so far. The project is slated to be a harbinger for immense economic

growth and progress for the North East Region. Commenting on the aforesaid developments our MD Mr. S K Barua said, 'We realise the challenges ahead as we embark on implementing the mega project. However, we are confident that with the unstinted support of all our stakeholders including the Central and State Govt, our business partners and well-wishers, we will be able to successfully complete the project.'

The AGM was followed by a musical evening and dinner hosted in honour of all the shareholders and well-wishers of the Company along with distinguished personalities from all walks of life. The tone for the evening was set by lively performances by well known ghazal singer Jiten Basumatary and vocalist Naaz Sultana along with renowned violinist Manoj Baruah and Dr. Purabi Sarma.

## Chairman's AGM Address

**Dear Shareowners,**

It is a privilege to welcome you all to the 26<sup>th</sup> Annual General Meeting of your Company.

Notice of AGM, Directors Report and Audited Accounts have been tabled and with your kind permission, I consider them as read.

It gives me immense pleasure to inform that your Company has demonstrated another year of admirable operational and financial performance. I take the pleasure of sharing with you the performance highlights of your Company during the last financial year 2018-19.

Your Company recorded the highest ever Sales Turnover of Rs. 18,511 Crore - a growth of 16.25% over the previous year attributable both to higher sales volume and better price realization. There was, however, a marginal reduction in net profit at Rs.1,968 Crore compared to Rs.2,045 Crore in the previous year, mainly due to reduction in excise duty benefit which was partly offset by other recoveries.

As on 31<sup>st</sup> March 2019, your Company's net worth stood at Rs. 5,551 Crore, signifying strong economic fundamentals. Rightfully so, your Company was recognized as the 'Fastest Growing Miniratna of the year 2018 (Manufacturing)' by the Dalal Street Investment Journal.

For the first time, the Refinery could process 2,900 TMT of Crude Oil, though marginally lower than the installed capacity primarily due to non-availability of indigenous Crude Oil. The refinery also recorded the highest ever HSD production of 1,933 TMT.

The Directors are pleased to recommend for your approval, a final dividend of 30% for the year, in addition to the interim dividend of 140% paid during the year, which would result in a total dividend of 170% during FY 2018-19.

You will be happy to learn that NRL's contribution to the Central and State exchequers in the form of taxes, duties and dividends during the year 2018-19 has been Rs. 4,159 Crore.

The year 2018-19 will go down in the annals of NRL as a historic year. It was a water shed moment for the company when the Union Government gave its formal approval in January 2019 for enhancing NRL's capacity from existing 3 MMTPA to 9 MMTPA at a project cost exceeding Rs. 22,000 Crore. Being the highest ever investment in North East India so far, it is indeed a harbinger and a loud signal for the immense economic growth and progress of the North East region apart from securing the future of a standalone



Mr. D. Rajkumar, Chairman, NRL

refinery like NRL which has been facing supply side constraints. This mega project also envisages laying of over 2,000 KM of pipelines for transporting imported Crude Oil from Paradeep port to Numaligarh and then to facilitate evacuation of products from Numaligarh to Siliguri, making NRL an active player in the mid-stream section. I am sure that with our collective competence, effort, wisdom and spirit of team work, no challenge would be insurmountable in implementing the Refinery Expansion project. I urge you all to brace up for challenging days ahead!

The year 2018-19 also marked the beginning of a few strategically important projects for the Company. The ground breaking ceremony for the 130 KM Indo-Bangla Friendship Pipeline (IBFPL) for transporting products from our Siliguri Marketing Terminal to Bangladesh, was held in September 2018 in the presence of Hon'ble Prime Ministers of India and Bangladesh through video conferencing. Assiduous efforts to establish the first bamboo biomass based 2G Bio Refinery Plant in the country was brought to realisation with the formation of the joint venture company, 'Assam Bio-Refinery Pvt. Ltd' in June 2018.

Diversifying further, your company stepped into the upstream business of exploration and production, looking for win-win investment opportunities, under Open Acreage Licensing Policy (OALP) / Discovered Small Field (DSF) rounds. We are now in the process of acquiring 20% Participatory Interest (PI) in Namrup Block from M/s Oil India Limited for which farm out agreement has already been signed.

While business remains the mainstay, your Company's focus on CSR continued to remain steadfast and was

reinforced further by adopting several novel projects during the year. Important among them is the adoption of the relatively backward Darrang District in Assam as an aspirational District and taking up projects for its holistic development, development of neighbouring Lakhimpur as a model village and handing over of waste handling equipment to municipalities and town committees across Assam, thereby contributing to the Swachha Bharat Mission of Govt. of India.

Your Company has been maintaining integrity, transparency and accountability in all its spheres of business and will continue to remain uncompromising in adopting the best business practices and highest principles of work and ethics as it marches ahead.

## Acknowledgements

The NRL Board would like to put on record their sincere appreciation for the hard work and efforts put in by every employee that has contributed in accomplishing extraordinary results for the organization.

The Board also acknowledges the contribution of all the stakeholders including customers, dealers, contractors, suppliers and bankers for their continued support and patronage.

The Board of Directors would like to place on record, their sincere gratitude for the support extended by the Central Government, particularly the Ministry of Petroleum & Natural Gas as well as from the Government of Assam and other Government Departments.

The Board would like to thank all the shareowners of NRL, particularly Bharat Petroleum Corporation Limited, Oil India Limited and Government of Assam for the unwavering faith placed in our capabilities in delivering value.

I also extend my sincere gratitude to all my colleagues on the Board for their wholehearted co-operation, without which such a performance would not have been possible.

As I conclude, I once again thank each one of you for the confidence and faith reposed on NRL Board & Management. Armed with undying passion and determination, I am confident that NRL, will continue to soar high and establish new benchmarks in all spheres of its activities, adding value for its stakeholders, the society and the nation as a whole.

Thank you,

**D. Rajkumar**  
Chairman

Guwahati, 16<sup>th</sup> August 2019

## Rs. 154.4 Crore to Govt. of Assam as Dividend for the FY 2018-19

Our Company has paid a total amount of Rs. 154.4 Crore as Dividend to Govt. of Assam for the Financial Year 2018-19 against its equity holding of 12.35% in the Company.

The final dividend cheque for the FY 2018-19 amounting to Rs. 27.25 Crore was presented to the Hon'ble CM of Assam Shri Sarbananda Sonowal by MD Mr. S K Barua on 14-

09-19 during the Hon'ble CM's visit to NRL in presence of Govt. of Assam Ministers and senior officials of the Company.



MD Mr. S.K. Barua presenting the final dividend cheque for FY 2018-19 to Hon'ble CM of Assam Shri Sarbananda Sonowal on 14.09.19

## Assam CM assures support to NRL's expansion project

Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal, during his visit to our Refinery at Numaligarh on 14.09.2019, assured all support from the State Government for timely completion of the Refinery's Expansion Project, formal approval for which was accorded by the Union Government in January this year.



*Hon'ble CM being welcomed by MD*



*Hon'ble CM planting a sapling in Kunjabon*

While taking stock of preliminary work of implementation of the project with NRL officials, Hon'ble CM urged the Company's officials to adhere to the time frame as per road map prepared for execution of the expansion project. He expressed hope that augmentation of capacity of NRL would not only benefit its production capacity but also make the State visible in the industrial landscape of South-East Asia.

Earlier, presentations were made by NRL officials before the Chief Minister seeking support from the State government on issues related to additional land, initiatives for removal of No Development Zone around the refinery, availability of forest materials, development of road infrastructure and enhanced security around the refinery.

The CM also mentioned about the huge opportunity of employment that the proposed project would generate including the Company's novel Bio-Refinery plant. He urged NRL to carry out a study to identify the size of skilled manpower required to run the plant



*Hon'ble CM addresses NRL officials*

### NRL support for Assam Floods

#### Rs. 1 Crore to CM's Relief Fund, Assam

As a gesture of solidarity towards the people of Assam affected by the devastating floods that has wreaked havoc, our Company contributed an amount of Rs. 1 Crore to the Chief Minister's Relief Fund, Assam.

The cheque was formally handed over to Hon'ble Chief Minister of Assam Shri Sarbananda Sonowal by our MD Mr. S.K Barua in presence of Assam Industries and Commerce



Minister Shri CM Patowary, Director (Technical) NRL Mr. B J Phukan, MLA Khumtai Shri Mrinal Saikia, NRL Independent Director Shri R K Sharma and others on 27-07-2019.

The Hon'ble Chief Minister thanked NRL for coming forward with a helping hand in this hour of crisis.

## NRL employees contribute towards CM's Relief Fund, Assam

Employees contributed generously for the CM's Relief Fund to help aid the State machinery tackle large scale destruction of property and displacement of lakhs of people from their homes due to floods.

A cheque amounting of Rs. 23.22 Lakh was handed over to the Hon'ble CM of Assam Shri Sarbananda Sonowal by CGM (HR) Mr. D. Choudhury in presence of other employees of the Company on 31-07-19.



## MD reviews progress of Bio-Refinery Project

MD Mr. S K Barua was on a visit to Finland from 24<sup>th</sup> to 28<sup>th</sup> Aug, 2019 for a review of the Company's Bio-Refinery project and to hold discussions on strategic options for growth. He also held a discussion with Finnish Minister for Foreign Trade and Development Mr. Ville Skinnari during his official tour to Chempolis Bio-Refinery Park at Oulu.

NRL, Finland's Chempolis Oy and Finnish energy company Fortum 3 BV had established a joint venture Assam Bio Refinery Private Limited in 2018 for building and operating the country's first bamboo Bio-Refinery at Numaligarh which is expected to be completed by 2021. Chempolis Oy is the licensor of the plant's advanced technology and will be providing the technical expertise.

'It is now our joint role to accelerate growth of 2G Bio-Refinery plants in our country by reshaping the energy system and improving resource efficiency and at the same time bring a sustainable development to the farming community of the Northeast.' MD said.

NRL's Bio-Refinery will use 300,000 tonnes of bamboo annually from the vast natural and cultivated bamboo reserves of North-East India, thereby providing fillip to the region's local farming community and opportunities for allied employment generation. Annually the plant will produce 60 million litres of bioethanol, 19,000 tonnes of furfural, 11,000 tonnes of acetic acid, and 144 gigawatt hours of green energy.

Speaking to the local press in Oulu, Finland MD said, 'NRL has invested heavily on the cooperation with Chempolis in India. We strongly believe that Chempolis's technology is the future and the investment return rate will be excellent compared to the other technologies. The goal of the Indian government is to increase bioethanol share from the current 3.3 to 20 per cent by 2030. Accomplishing this goal will require the construction of many more similar plants the size of the biorefinery our joint venture is constructing. It will be a huge market.'



MD Mr. S K Barua during his visit to Chempolis Oy, Finland

## 1<sup>st</sup> consignment of imported Crude Oil reaches Numaligarh Refinery

Our Company received its first consignment of imported Miri Crude Oil from PETRONAS, Malaysia on 04-08-2019. A railway rake comprising of 50 Tank Wagons and carrying around 2,760 Metric Tonnes of Crude Oil reached Numaligarh from Haldia port, West Bengal from where it was dispatched on 31-07-19. Miri Crude Oil is low in sulphur and is close in specifications to Assam Crude Oil, also known as Sweet Crude for its low sulphur content, which the refinery is currently processing from the oil fields of Upper Assam.

This is for the first time that Crude Oil is being imported by NRL to be processed in its Refinery. This would help the Company attain better capacity utilization of its existing refining capacity of 3 MMTPA; which has till now been constrained due to non-availability of adequate domestic Crude Oil. The Refinery has also embarked on a mega Refinery expansion project to treble its capacity from 3 to 9 MMTPA and developing capabilities for sourcing of Crude Oil augurs well for its future.

'This landmark development would assist us in enhancing Refinery throughput and as our distillate yield is high, this will increase our margins', our MD Mr. S.K. Barua said on the development.



*Imported Crude Oil received at NRMT*

Crude Oil availability in North East region has gradually declined over the years and is not able to cater to the requirement of 7 MMTPA for all the 4 North East refineries put together. As a result, the Guwahati – Barauni Pipeline which was earlier being used to transport Crude Oil from the region to other parts of the country is now being utilised for reverse flow of Crude Oil into the region.

Earlier on 26-06-19, Vessel named, 'M/T SAND SHINER' containing 19,600 Metric Tonnes of Miri Crude Oil reached Haldia Port from Miri Port, Malaysia. A feature story on the above development was published in the last issue of *Rodali*.

### MoUs

## MoU with IITG to develop Bio-degradable Plastics from Oil and Bio Refinery Streams

Our Company joined hands with Indian Institute of Technology, Guwahati (IITG) to develop bio-degradable plastics from oil and bio-refinery streams. An R&D project with a financial involvement of Rs. 4 Crore has been identified as the first project to be taken up at the 'NRL Centre of Excellence on Sustainable materials' to be set up at IITG.

A Memorandum of Understanding (MoU) was signed between NRL and IITG for establishing 'NRL Centre of Excellence on Sustainable Materials' at the premier institute of learning on 13-09-19. The MoU was signed between Sr. CGM (Corporate Affairs) NRL, Mr. Nikunja Borthakur and Director, IITG Prof. Dr. T.G.Sitharam in the presence of Dean (R&D), IITG Prof. Gopal Das and other officials from NRL and IITG. The MoU shall be applicable for a period of five years.



*Sr. CGM (Corporate Affairs) Mr. Nikunja Borthakur and Director, IITG Prof. Dr. T.G.Sitharam signing the MoU for establishing 'NRL Centre of Excellence on Sustainable Materials' at IITG on 13.09.19*

NRL Centre of Excellence on Sustainable Materials (NCESM) will facilitate further research activities in development of sustainable materials from Oil and Bio-refinery streams, which is in sync with NRL's Environment Management Policy. Further, specific R&D projects will be sponsored by NRL under this MoU for which project specific Memorandum of Agreement (MoAs) will be signed separately. NRL employees will be actively engaged in the R&D projects under NCESM.

This collaboration is expected to boost industry-academia interaction for enhancing engineering and technological competence through R&D activities and would address-challenges faced by industries like NRL.

### MOU with BPCL for Sale/Purchase of products

In order to streamline Sale and Purchase of Petroleum products, an MoU was signed between NRL and BPCL at Numaligarh on 31.07.2019. Effective from 1st January 2019, the MoU shall remain in force for a period of 15 years i.e till 31<sup>st</sup> March 2034.



Sr. CGM(Marketing & BD) Mr B. Ekka, NRL was the signatory on behalf of NRL while CGM Logistics (Retail HQ), BPCL, Mr V. Ramachandran signed on behalf of BPCL in the august presence of DT NRL, Mr B J Phukan DF NRL Mr I. Mittra and officials from both sides.

Products covered under this MOU are:

- Motor Spirit (MS) BS- IV /BS -V/VI Grades
- High Speed Diesel (HSD)- BS-IV / BS-V/VI Grades
- Superior Kerosene Oil (SKO) – for PDS and Non-PDS
- Aviation Turbine Fuel (ATF)
- Liquefied Petroleum Gas (LPG)
- Bharat Metal Cutting Gas (BMCG)

## AWARDS & ACCOLADES

### Refinery of the Year Award to NRL

Our Company has been conferred the **Refinery of the Year Award** at the Downstream India Excellence Awards 2019 held in Delhi on 17-07-19 as part of Global Refining & Petrochemicals Congress (GRPC) organised by The Energy & Climate Initiatives Society (ENCIS).The honour has been bestowed upon NRL in recognition of its excellence in Refinery operations.

The award was presented by Mr. G C Chaturvedi, IAS (Retd) & former Secretary Petroleum & Natural Gas and Dr. R K Malhotra, Director General, FIPI (Federation of Indian Petroleum Industry) and Chairman, Awards Committee to the NRL Team led by Head-Coordination Mr. D. K. Adhikary.



### CII National Award for excellence in water management

Moving a notch higher in its environment friendly credentials, our Company was honoured as a '**Noteworthy Water Efficient Unit**' in 'Within the Fence category' at the 13<sup>th</sup> Edition of CII - National Awards for Excellence in Water Management 2019.

A citation to this effect was presented by Mr. U P Singh, Secretary, Dept. of Water Resources, Ministry of Jal Shakti, Govt. of India in the presence of CII officials at the 5th Water Innovation Summit held in New Delhi on 19-09-2019 and was received by Manager (ETP- Operation) Mr. Mintu Boruah on behalf of NRL.



## 4<sup>th</sup> edition of 'Be The Change' Suggestion Scheme concludes on a high note

### Introduction

'Be the Change' Suggestion Scheme, our Company's flagship employee engagement program completed a successful 4<sup>th</sup> edition during this quarter. Anchored by the Corporate Communications Dept., this scheme has journeyed through 4 fruitful editions, refining and innovating with each edition, keeping pace with the developments and requirements of the Company.

The Company's 'Be the Change' Suggestion Scheme was launched in the year 2016 to encourage employees to think out of the box and bring to the fore their creative potential through innovative ideas for improvement in the workplace and thereby contribute in the Company's growth story.

The 4<sup>th</sup> edition of 'Be the Change' Suggestion Scheme 2019 for the first time introduced the coveted 'Directors' Award' comprising of a trophy and citation to be awarded to the best adjudged suggestion every year with an attractive prize money of Rs. 25,000/-. Also, considering the fact the NRL is embarking on its mega Refinery Expansion project, in this edition suggestions were invited in two different categories –

(A) related to Refinery Expansion (both technical and non-technical)

(B) related to improvements in systems and procedures in existing setup (only non-technical)

### Brand building

A whole gamut of branding activities were undertaken to promote and popularised the scheme amongst employees.

The first teaser for the 4<sup>th</sup> edition of the scheme was launched on 24.12.19 with the final launch on 31.12.19 through e-mail communication to all the employees.



Regular communication was sent to employees through e-mails, motivating them to think out of the box and submit their valuable suggestions.

Within the due submission date of 28.02.19, a total of 111 suggestions were received in the two suggestion categories. Out of these, 43 suggestions related to Refinery Expansion and 22 suggestions related to improvements in systems

and procedures in existing setup were shortlisted by the jury after thorough evaluation for being awarded against the 3 categories as per scores received viz. 'Innovator par Excellence Certificate', 'Certificate of Innovation' and 'Appreciation Letter'.

The awards for each winning suggestion ie. the citations and the gift cheques were packed in aesthetically designed & customised award folios with adequate branding of the scheme.



### The Award function

The 4<sup>th</sup> edition reached its successful culmination on 27.09.19 with a glittering Award function held at the Rangchali Club premises where all the winning suggestions were presented with the Award folios by MD Mr. S.K Barua, Director (Technical) Mr. B J Phukan and Director (Finance) Mr. Indranil Mittra in presence of all HoDs. The venue was branded with banners and standees to create an exclusive ambience. Guests were welcomed at the foyer of Rangchali Club with a quirky AV created specifically for the occasion playing around the 'Be the Change' standard template and the animated character with an idea lighting up like a light bulb.



At the onset of the function, a melodious invocation number was rendered by the children of Rangchali Club. Rangchali Club Executive Committee felicitated the dignitaries

on the dais. This was followed by the award ceremony which culminated with more melodious numbers by the Rangchali Club children and a sumptuous dinner thereafter.



*Award Function*



*Directors presenting certificates and prize money to winners of different categories of suggestions*



*NRL Directors, jury and organisers of 4<sup>th</sup> Edition of 'Be the Change' Suggestion Scheme 2019*

### GREEN INITIATIVE

## NRL supports Green Technology by leasing Electric Vehicle(EV)

Always a frontrunner in adopting green technology, our Company has brought under its fold an Electric Vehicle (EV), the first organisation to do so in the North East. The EV

has been leased out by M/s Energy Efficiency Services Limited (EESL) and was formally handed over to NRL in presence of officials from M/s Tata Motors on 13<sup>th</sup> August, 2019. It would

be used as office pool car in NRL Corporate Office, Guwahati.

It is pertinent to mention that as per 'National Electric Mobility Mission Plan (NEMMP) 2020', Government of India has plans to make a major shift to electric vehicles by 2030.

Some salient details of NRL's EV are as below :

*Make & Model : Tata Tigor*

*Run length : Minimum 100 km per charge*

*Charging time : 6 hours for regular charge, 60 minutes for fast charge*



Handing over of EV by Sr CGM (A) Mr. N. Borthakur

## OBSERVANCES

## Swachhata Pakhwada observed

As part of observance of *Swachhata Pakhwada* across the country from 1<sup>st</sup> to 15<sup>th</sup> July 2019, several activities were organized throughout the Company. At the onset, *Swachhata* Pledge was administered by employees across locations including Corporate Office, Guwahati, Numaligarh and Siliguri Marketing Terminal. Employees actively participated in cleanliness drives conducted in their respective workplaces as well as in public places.

Joining the pledge taking and cleanliness drive, MD Mr. S K Barua urged everyone to remain committed towards cleanliness of one's workplace and surroundings.



At Corporate Office Guwahati



At Admin Building, Numaligarh



At Siliguri Marketing Terminal

### Numaligarh

A *menstrual awareness program* was organized at Letekujan and Arunudoj tea estates in Golaghat District with distribution of sanitary napkins on 01-07-19 and 02-07-19. Water filters were distributed in Devalaya Gayan Gaon, Sivsagar and Chakial village, Golaghat which are adopted under the Chief Minister's Clean & Green Village project, to assure safe drinking water facility to the people of these villages. Cleanliness drives in schools near the Refinery and inauguration of School Toilet Blocks were conducted during the first week of the fortnight.

On 10<sup>th</sup> August 2019 a new School Toilet Block was inaugurated at Sankardeva Sishu Vidya Niketan, Kachupathar and an awareness campaign on Health Hygiene & Sanitation was conducted among the villagers of Gandhigaon Model Village adjacent to the Refinery.



Distribution of Sanitary napkins to women of nearby villages



Inauguration of toilet blocks in schools



Distribution of Water filters in Chakial Village, Golaghat & Devalaya Gayan Gaon, Sivsagar under CM's Clean & Green Village project.



Swachhata packets containing bar soap, detergent packet and small hand towel and message of Swachhata distributed to staff of NRL Tank Trucks

### Guwahati

On the final day of the *Swachhata Pakhwada* ie. 15<sup>th</sup> July 2019, employees of NRL Corporate Office took part in a plantation drive in nearby *Japorigog High School*, Guwahati. The objective of *Swachhata Pakhwada* drive was shared and the need to maintain cleanliness in one's surroundings by consciously practising cleanliness as a habit was exhorted to all the students in presence of the school teachers. Thereafter, each student planted a sapling, pledging to maintain the sapling for proper growth and care. Around 40 saplings, mostly fruit and flower bearing like *Jamun*, *Neem*, *Arjun*, *Lemon*, *Krishnasura*, *Radhasura*, *Kaminikanchan* etc. were enthusiastically planted by the students throughout their school campus. The surroundings of the school campus was also cleaned as part of the drive. After the plantation drive, food packets were distributed to the students and teachers of the school.



Cleanliness drive in footpaths near Corporate office, Guwahati on 11-07-19



Plantation drive conducted in Japorigog High School, Guwahati



### Siliguri Marketing Terminal

A host of activities were carried out during the *Swachhata Pakhwada* at SMT from 1<sup>st</sup> -15<sup>th</sup> July 2019. Pledge taking & Cleanliness drives were conducted by employees & AMC workers. Prize distribution for Essay, Slogan and Drawing competition conducted during the fortnight was organised along with street play by local artists to create awareness among SMT employees, workers and POL drivers. Saplings and waste bins were distributed in nearby schools during the drive.



## Independence Day



Unfurling of National Flag by MD Mr. S K Barua at Corporate Office, Guwahati



DT Mr. B J Phukan takes the guard of honour at Numaligarh (CISF Colony)

## Swacchta Hi Sewa



“Let us join hands in Hon'ble Prime Minister's mission of eliminating Single Use plastics from our homes, workplace and neighbourhood.”

S K Barua  
Managing Director  
Numaligarh Refinery Limited

## Campaign on Elimination of Single Use Plastic

Hon'ble PM of India Shri Narendra Modi in his 73<sup>rd</sup> Independence Day speech from the ramparts of the Red Fort extorted the citizens of India to eliminate the use of 'Single Use Plastics' and prevent environmental degradation. Thereafter, a special drive on the theme 'Eliminating Single Use Plastic' was launched on 17.09.19 as part of Swacchta Hi Sewa. In NRL, awareness programmes were conducted and decorative dust-bins installed at all locations viz. Guwahati, Numaligarh, Siliguri and Kolkata. MD also sent out a message to all employees urging them to curb use of 'Single-use Plastics' for a sustainable environment.

### Snapshots of activities carried out on the theme 'Eliminating Single Use Plastic' on 17.09.19



At Corporate Office, Guwahati



At Numaligarh



At Siliguri Marketing Terminal



At Kolkata Office

## Photo Speak

## Book Releases



Photo book on **Numaligarh Marathon 2019** launched by MD Mr. S K Barua on 10.07.19 at Corporate Office, Guwahati



Photo book on **4<sup>th</sup> Annual Customers' Meet & Launch of Pristene** launched by SCGM (Mktg. & BD) Mr. B Ekka on 18.07.19 at Marketing Office, Guwahati



**CSR Journey of NRL** - a publication chronicling the major CSR initiatives of the Company from 2014-15 to 2018-19 launched by Director (Tech) Mr. B J Phukan at Numaligarh on 27.09.19

## New Premises



MD Mr. S K Barua inaugurating NRL's new Guest House at Sector 26, Noida on 22.08.19



MD inaugurates Pipeline Office in the new Corporate Office Building, Guwahati on 16-09-19



## Ceremonial inauguration of Site Grading jobs

Pre-refinery expansion project activities begun in Numaligarh on the auspicious occasion of Ganesh Chaturthi with Director(Technical) Mr. B J Phukan ceremonially inaugurating the Site Grading jobs with a *Bhumi Puja* followed by customary breaking of the coconut at the proposed CDU/VDU and VGO/Isomerase Tankage areas on 29-08-19.



## Marketing & Business Development Strides

### Export of NRL products to Royal Kingdom of Bhutan

In a significant development, export of our Company's products, viz. HSD( High Speed Diesel) and MS (Motor Spirit) to the Royal Kingdom of Bhutan has resumed from our Marketing Terminal at Siliguri (SMT) with BPCL acting as a merchant exporter.

The first tank truck carrying bonded HSD ex-SMT was flagged off by SM (Ops) I/c, BPCL and SM (SMT), NRL on 04.07.2019 in presence of other officials of NRL, BPCL and the Excise department.

Earlier, NRL's bonded products for Bhutan were moved by railway rakes from Numaligarh to BPCL's depot at New Jalpaiguri (NJP) and thereafter exported to Bhutan.



The new development has resulted in savings for NRL by way of reduced freight (pipeline vs. rail freight) besides operational convenience for both NRL and BPCL.

## Fire & Safety Snippets

### Activities carried out during the quarter

- Safety Awareness programme conducted at LPG Bottling Plant on 8<sup>th</sup> July 2019. (photo - 1)
- Safety Awareness programme conducted at Central Workshop on 9<sup>th</sup> July 2019.
- Safety Awareness programme conducted at QC Lab on 12<sup>th</sup> July 2019. (photo - 2)
- Fire and Safety Training organized for CISF Trainees on 22<sup>nd</sup> & 24<sup>th</sup> July 2019.
- Mock drill conducted at VKNRL Hospital on 27<sup>th</sup> July 2019. (photo - 3)
- Safety Awareness programme conducted at VKNRL-School of Nursing on 29<sup>th</sup> July 2019. Practical demonstration on use of fire extinguishers was also carried out for the students. (photo - 4)
- Internal Safety Audit conducted from 31<sup>st</sup> July to 2<sup>nd</sup> Aug 2019 with participation of officers from BPCL -Mumbai & Kochi. (photo - 5)
- Fire fighting and rescue training conducted at DPS Numaligarh in collaboration with Civil Defence, Jorhat on 28<sup>th</sup> Aug 2019. Various rescue techniques were

shown alongwith practical demonstration on use of fire extinguishers. (photo - 6)

- Refresher training for employees has started from 4<sup>th</sup> September 2019 and is being conducted on every Wednesday and Thursday. 200 employees have already been trained by F&S Dept.
- Practice of mandatory donning of Boiler suits by all workers and employees inside the Refinery premises and NRMT has been successfully implemented w.e.f 15<sup>th</sup> July 2019.

### Mock Drill

- 3 minor fire mock drills were conducted at DHD, ETP and MSP on 24<sup>th</sup> July, 31<sup>st</sup> August and 17<sup>th</sup> September 2019 respectively.
- One major cum onsite disaster mock drill was conducted at OM&S (Tank 102 C) on 20<sup>th</sup> September' 2019. (photo - 7)
- On site mock drill at SMT on 24<sup>th</sup> September 2019 (photo - 8)



## Surveillance Audit conducted

Surveillance Audit for Integrated Management System (IMS) was conducted by MS Certification from 8<sup>th</sup> to 10<sup>th</sup> July'19. SMT has been confirmed for continuation of IMS certification (ISO 9001-2015, ISO 14001-2015 & OHSAS 18001) for another one year.

## Refresher Safety training program conducted

In line with requirements of OISD 1244, a Refresher Safety training program was organized for all employees of SMT on 6<sup>th</sup> & 7<sup>th</sup> Sep '19. The course was conducted by Mr. S L Chakravorty, Former Director OISD, MoP&NG. 20 officers & 18 staff attended this program.



## Hindi Workshop held

A one-day Hindi Workshop was organized on 28<sup>th</sup> Aug'19 at SMT for its employees in line with Official Language Implementation requirements. The session was conducted by faculties from Town Official Language Implementation Committee, Siliguri.



## Hindi Month celebration

On the occasion of Hindi month celebration, a Hindi competition was organized on 24<sup>th</sup> Sep'19 under the aegis of Town Official Language Implementation Committee, Siliguri. Mr. Biplab Kumar Barman, SM (Ops, SMT) participated on behalf of SMT and secured first position in the Hindi Singing Competition.



## CSR News

## Model Village Lakhipur inaugurated

Moving another step ahead in the Company's ambitious CSR Project of developing Model Villages, the 6<sup>th</sup> village adopted under this initiative 'Lakhipur' near Kaziranga was inaugurated on 13-07-19 by Hon'ble Agriculture Minister of Assam Shri Atul Bora in presence of our Director (Finance) Mr. Indranil Mitra, Sr. CGM (HR & Legal) Mr. D Choudhury and other officials of NRL. The highlights of the developmental activities undertaken in Lakhipur are as follows:

- Construction of 2 km paver block road
- Installation of safe drinking water facility
- Renovation of Geleki Mikirgaon LP School
- Installation of Solar Street Lights
- Providing individual household toilets
- Toilet Block & Construction of Boundary Wall
- Providing Solar Home Lighting Systems



### Glimpses of CSR Activities during the Quarter



MD Mr. S.K. Barua handing over two Delivery Vans to Akshaya Patra Foundation in Amingaon, Guwahati on 12.07.19. The vans will carry meals to serve food to 1500 school children under the Mid-day meal scheme of the Government



Ambulance handed over to Kalpataru- an NGO on 25<sup>th</sup> July '19



Waste handling equipment & dustbins handed over to Mariani Municipality Board on 25<sup>th</sup> July '19



Flood relief camps on 25<sup>th</sup> & 26<sup>th</sup> July '19



Animal health camps in flood affected areas



Distribution of wooden boats among flood affected villages



Aids & appliances distributed to differently abled persons on 31<sup>st</sup> July '19



4000 fruit bearing trees distributed among villagers of 4 nearby villages on 01<sup>st</sup> Aug'19



4<sup>th</sup> batch of 13<sup>th</sup> students sent to Food Craft Institute, Samaguri on 13<sup>th</sup> Aug'19 for pursuing training on Hospitality Management course



Drinking water ATM inaugurated at 4 nearby villages



A TATA Star bus handed over to Lion's Eye Hospital, Jorhat by MD Mr. S. K. Barua on 15<sup>th</sup> Sept'19



## MINISTRY OF PETROLEUM AND NATURAL GAS NEWS

### India's growing energy sector is attractive for foreign investors, says Petroleum Minister

**All forms of transportation, which are clean and affordable, will be considered in our Energy Policy**

Minister of Petroleum and Natural Gas & Steel Shri Dharmendra Pradhan said that India's growing energy sector is attractive for foreign investors. Speaking at Bloomberg NEF New Delhi Summit on 2nd August 2019, he said that it has repeatedly received funding from Sovereign Wealth Funds, Pension Funds, long-term strategic investors from Western countries, Asian Countries and the Middle East. "The economy projected to grow at more than 7%, will attract more funding. Many companies have successfully raised funding through overseas bond market and this funding route is likely to grow manifold going forward", he added.

The Minister said that India's upstream sector is an important focus area of the government. Several transformative policy reforms have been undertaken to revitalize the E&P ecosystem and establish a conducive business environment, which would facilitate more investment and boost domestic oil & gas production. "The key policy reforms undertaken to augment the domestic oil and gas production include the policy of uniform licensing, marketing and pricing freedom to the operators, availability of comprehensive data to the investors to take informed decisions and fiscal incentives with the thrust on production enhancement", Sh Pradhan said.

Shri Dharmendra Pradhan said India remains a bright spot in the global economy. With strong domestic economy and supportive policy environment, the Government is committed towards achieving holistic, inclusive and sustainable economic development. India will become 3 trillion dollar economy this year and aims to achieve a 5 trillion dollar target in the near future. To achieve this target, India needs secure, affordable and sustainable energy to sustain the high growth and provide energy access to 1.3 billion people. Therefore, it is important for us to tap every source of energy. "We have taken several measures to overhaul the hydrocarbon sector to ensure energy security for the country while pursuing a green path to progress", the Minister said.

On the issue of energy landscape, the Minister said that it is passing through a big change - making way for clean energy technologies. "In a drive to provide energy access to all in a sustainable manner, our Government has taken a big responsibility by making global commitment to reduce emissions intensity of its GDP by 33 – 35% from 2005 levels. One of the main strategies India is planning to adopt towards achieving this goal is by having 40% electricity generation capacity from non-fossil fuel-based energy resources by 2030", Shri Pradhan said.



Appreciating the oil and gas companies for investing in developing renewable energy projects for self-consumption and for supplying to the grid, Shri Pradhan said that. Oil Marketing Companies are providing soft loans and subsidies to petrol pump dealers to install solar rooftops. He said "This is the right time to think of sale options like blending electricity generated from gas power plants with renewable energy. This will further aid the process of emission reduction."

Shri Pradhan said the Government is committed towards clean energy, which extends beyond just electricity. The Pradhan Mantri Ujjwala Yojana has transformed the lives of millions of poor households by ensuring access to clean cooking fuel. "More than 75 million LPG connections have been provided under the Ujjwala Yojana so far, which has resulted in enhancing the LPG penetration in India to around 95% as against 56% in May 2014. The Pradhan Mantri Ujjwala Yojana has saved millions of women and children from the health hazards of smoky kitchens", he said.

On the issue of city gas network, Shri Pradhan said that only 20% of the population was covered under it in 2014 but with the success of the 10th CGD Bid Round, CGD network will expand to nearly 70% of our population. CGD would be available in 228 geographical areas comprising 402 districts spread over 27 States and Union Territories covering 53% of

the country. The recently-concluded 9th and 10th CGD rounds will require investment of one lakh twenty thousand crore rupees.

The Minister said that many of our refineries are today close to large urban clusters, and as part of their focus as good corporate citizens, all have shifted to cleaner natural gas for their energy needs. In addition, the government has already implemented fuel efficiency norms for commercial heavy vehicles. "To tackle pollution issues, we are looking at gas-based transportation solutions. We are switching to BS-VI fuels from 1st April 2020. The National Capital Territory of Delhi has already switched to BS-VI fuels in April last year. We are promoting the use of CNG, bio-CNG and LNG in transportation sector. We are setting up bio-refineries and targeting newer sources of ethanol. The ethanol-blended program will enable OMCs to sell 10% blended petrol", Shri Pradhan said.

On the bio-diesel programme, the Minister said "I am confident that we will soon be rolling out initiatives to enable achievement of 5% biodiesel blended diesel across country." He said "we will promote EVs, but it will be a holistic and integrated planning, where I have mentioned in my recent statements that all forms of transportation, which are clean and affordable, will be considered in our Energy Policy."

## People

## Photo Speak



Director(Tech) Mr. B J Phukan handing over a sapling to Chairman Mr. D Rajkumar in presence of MD Mr. S K Barua and Director (Fin) Mr. I Mittra at the pre-AGM get-together in Guwahati on 15.08.19



MD Mr. S K Barua(center) with Chairman, Bangladesh Petroleum Corporation Md. Shamsur Rahman (right) during an interaction on 10.07.19 in Guwahati



MD Mr. S K Barua addressing the 4th North East Public Relations Conclave organised by Guwahati Chapter of Public Relations Society of India (PRSI) on 31st August 2019 at India Club, Guwahati. Also seen in the picture are Ms. Rita Bhimani, doyen of PR in India (3rd from left) and Ms. Riniki Bhuyan Sarma, CMD, Pride East Entertainments Private Limited (4th from left).

## Photo Speak



Chairman Mr. D. Rajkumar (front row-centre) with MD Mr. S.K. Barua (front row-extreme left) paying a friendly visit to IIM Shillong on 17<sup>th</sup> Aug'19



(L-R) Mr. S Gopalakrishnan, Chairman, CII Start-up Council; Past President, CII; Co-Founder, Infosys & Chairman, Axilor Ventures; Mr. S K Barua, Chairman, CII North East Council & MD NRL and Ms. Nita Karmakar, CII Regional Director East & North East at the CII HR Conclave 2019- Moulding the Next Gen Workforce, held in Guwahati on 05-09-19.

## Superannuations



**Mr. Ghanashyam Gogoi**, GM (Commercial) superannuated from the services of the Company on 30.09.2019. Mr. Gogoi joined NRL on 19<sup>th</sup> May, 1994 as Officer (Commercial). He has spent a major part of his career in the Commercial department (for 20 years) with a brief stint in Project Deptt. and Utilities Deptt.



**Mr. Dipak Chandra Mahanta**, Technical Assistant (NRMT), superannuated from the services of the Company on 31-07-19. He joined NRL on 22-02-1999 after working in Hindustan Paper Corporation, Jagiroad from 1986. Since then he has been working in NRMT till his superannuation.

*We wish them good health and a wonderful second innings*

## Condolence



**Mr. Rupak Dutta**, Technical Assistant (Mechanical) left for his heavenly abode on 18.07.2019 in Ganga Ram Hospital, New Delhi due to prolonged illness.

We offer our heartfelt condolences to the bereaved family and pray for the eternal peace of the departed soul.



## APPOINTMENT



### Dr. Sylvanus Lamare joins NRL Board as Independent Director

Dr. Sylvanus Lamare has been appointed as an Independent Director on the Board of NRL w.e.f. 16<sup>th</sup> August, 2019.

Dr. Lamare is the Principal of St. Edmund's College, Shillong. An M.A. in Khasi (Gold Medalist) and Ph.D in Socio-linguistics, he has several publications and memberships to his credit.

## ACHIEVERS

**Ms. Madhuchanda Adhikari**, DGM Corporate Communications was honoured as '**Woman of the Year 2019**' in Corporate Communications at the 'Women of the Year Awards 2019' instituted by Byatikram Group- a socio cultural organisation. The award consisting of a trophy and a citation was presented to Ms. Adhikari by two illustrious women- celebrated filmmaker Rima Das and versatile actress Himani Shivpuri at a glittering award function held on 22-09-19 in Guwahati.

This award has been instituted under their social venture 'Respect Womanhood' which endeavours to recognise and honour outstanding women from all over the North East region and celebrate their achievements in their respective fields of work.

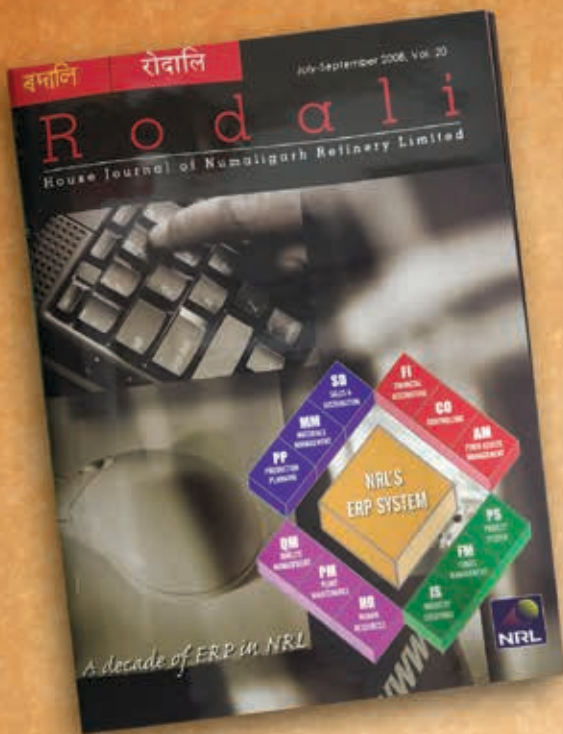


**Mr. Nripen Kalita**, Engg. Asst. (Ops- HCU) is the proud winner of this year's PSU Family Half Marathon held at Delhi on 29.09.2019 under the aegis of PSPB. Mr. Kalita in his earlier two attempts in 2018, had successfully earned the 2<sup>nd</sup> and 4<sup>th</sup> position in the same event.



With his proactive actions, **Mr. Manas Tasa**, Manager (Ops) was successful in averting a safety situation in the Hydrogen Unit. For his prompt response, he was felicitated by MD Mr S.K Barua during FCM on 12.08.19.

# From the Archives



## Family & Career

## The Secret of Lifelong Energy

We expect to be engaged and involved into our seventies and eighties, a far cry from the automatic decline that prior generations identified with ageing.

But the ageing process undermines many people, who find that they lose energy as the years go by. I don't mean just diminished physical energy, because mind and body are linked. We have to consider the entire person who is thinking, feeling, hoping, and wishing every day.

Where do you get enough energy to keep going on all fronts? Physics offers a simple but profound answer. In every physical system, the law of entropy dictates that energy will dissipate over time, which is why ice cubes melt and stars burn out. But a counter force, evolution, allows energy to be stored and increased. Life is the prime example of negative entropy, as this energy storage is called, because living things use food, air, and sunlight to extract more energy than they give off....

We must favour evolution over entropy if we want to have energy for a lifetime. In us there is energy loss on the physical, emotional, and spiritual plane if we fail to counter it.

Physical entropy is linked to ageing in most people's minds, but in reality we are worn down by overwork, stress, the inability to take downtime, bad sleep, and a frenetic pace that the body can adapt to for only so long. Emotional entropy can't be separated from the physical, since factors like bad sleep, overwork, and stress have emotional consequences—we lose enthusiasm and interest in what we're doing. Emotional entropy is also caused by psychological issues like depression, anxiety, bad relationships, abusive behaviour, and low self-esteem.

Spiritual entropy comes about when we lose our sense of purpose and meaning. This is a



prevalent danger for millions of people when they retire or see their children leave home. But there's also spiritual depletion through grief, abuse, lack of productive work, and any occasion of personal defeat...

In modern times there have been major victories against entropy, most of them physical. We can cure diseases that have sapped the life out of people for centuries. We know how prevention works. We can have clean air and water, along with natural, whole foods, by exerting some effort. Recovery from debilitating stroke and heart attack is better than ever. These are all positive signs of evolution or progress.

But the subtle aspects of entropy, the psychological and spiritual setbacks that drain us, need to be countered, too, and that requires expanded awareness. The evolution of the inner person holds the key to energising the entire system, including

the body. Research into meditation, for example, indicates that its benefits are holistic. Yet many people have negative associations with the whole project of consciousness raising, self-awareness, and the alien Eastern ethos surrounding yoga and meditation....

If you ignore the emotional and spiritual issues that drain away enthusiasm, self-confidence, curiosity, inspiration, and self-worth, you have pushed away the possibility of evolving and growing. When that possibility lies fallow, entropy finds a way to win, no matter how smart, good-looking, physically fit, and rich you are. The reason we are here as living creatures is entirely due to the force of evolution. For billions of years evolution operated as an external, physical agent of growth. Now the frame has shifted, and as conscious beings we must go inward to activate our evolution.... If you want to have energy that lasts a lifetime, consciousness evolution is the key.

*The writer Dr. Deepak Chopra is a world-renowned authority in the field of mind-body healing, a best-selling author, and the founder of the Chopra Center for Wellbeing.*

*Source: <https://www.speakingtree.in>*

## Kaliyani Club Club Section

## New Executive Committee of Kaliyani Club takes over

The new Executive Committee of Kaliyani Club for the year 2019-20 took charge on 19<sup>th</sup> July 2019.



|                               |                         |
|-------------------------------|-------------------------|
| President                     | <b>Gopal Sarma</b>      |
| Vice President                | <b>Monjit Kr. Borah</b> |
| Hony. General Secretary       | <b>Bhudev Das</b>       |
| Hony. Asst. General Secretary | <b>Anjan Bora</b>       |
| Hony. Entertainment Secretary | <b>Surajit Banik</b>    |
| Hony. Bar Member              | <b>Hriday Barman</b>    |
| Convenor (Catering)           | <b>Abhinash Mahanta</b> |
| Convenor (Tennis)             | <b>Debashis Thakur</b>  |
| Convenor (Bulletin)           | <b>Ankita Sarkar</b>    |

|                           |                                 |
|---------------------------|---------------------------------|
| Convenor (Drama)          | <b>Kaushik Kumar Barman</b>     |
| Convenor (Souvenir)       | <b>Sangam Panchanan</b>         |
| Convenor (Sports)         | <b>Pragya Deka</b>              |
| Convenor (Swimming)       | <b>Manas Pratim Das</b>         |
| Convenor (Library)        | <b>Anupom Bora</b>              |
| Convenor (Social Service) | <b>Ajit Das</b>                 |
| Convenor (Gym)            | <b>Dhiru Bora</b>               |
| Treasurer                 | <b>Ravindra Kumar</b>           |
| Ex- Officio               | <b>Abhijit Chandra Bardalai</b> |

## Flood relief materials distributed

Kaliyani Club in association with Numali Club and WIPS (Women in Public Sector), NRL Chapter distributed flood relief materials to 285 families in Riri Gaon around 20 km from Kamargaon Police Station on 28<sup>th</sup> of July 2019.



## Kaliyanites immerse in *Solemn Hues*

*Solemn Hues*-a melodious extravaganza amidst soulful music & dance was organized by the Club on 31<sup>st</sup> August' 2019. Dance performances by Kala Niketan mesmerized the entire audience.



## *Autumn Beats* set an upbeat mood



*Autumn Beats*- a musical show orchestrated by the in-house Kaliyani Band along with a host of in-house talented singers was organized by the Club on 21<sup>st</sup> September 2019. The programme began with an act by Numali Club. All

the singers presented a beautiful bouquet of songs, letting the crowd sway to their tunes. Special food stalls were also arranged complementing a rejuvenating and harmonic atmosphere.

## Farewell to Mrs. and Mr. Ghanashyam Gogoi

Kaliyani Club bade a warm farewell to Mrs. and Mr. Ghanashyam Gogoi on 28<sup>th</sup> of September 2019 upon his superannuation from the services of the Company. He was felicitated with the Lifetime Membership of Kaliyani Club.

A cultural program was organized wherein noted artist Ms. Subasana Dutta mesmerized the audience with her melodious songs.



## Assamese Path Dan Workshop organized

To improve reading & writing skills in Assamese language, an *Assamese Path Dan* workshop was organized by Rangchali Club amongst the children of the members from 2<sup>nd</sup> to 31<sup>st</sup> July, 2019 at the Club premises. The workshop was conducted by resource person Mr. Titaram Das with active participation by a large number of children.



## Free Summer Coaching Camp



Continuing with its noble work for society, like previous years, this year too, the Club arranged free Summer Coaching Camp from 1<sup>st</sup> to 31 July, 2019 for the students of class IX and X of the nearby schools at Rupram Hazarika High school, Telgaram, followed by a brief closing function where the teachers were honored and felicitated for their noble service.

## 21<sup>st</sup> Club Foundation Day celebrated

Rangchali Club celebrated the 21st Club Foundation Day on 16th July, 2019 at the Club premises.

## Flood Relief Program organised

Rangchali Club, in association with Rongbong Ladies Club offered a helping hand to the victims of the recent floods of nearby areas by distributing food and other essential items on 23<sup>rd</sup> July, 2019 with active volunteering by members for this noble cause.



## Seven-a-Side Football Tournament held



Rangchali Club organized Seven-a-Side Football Tournament from 30<sup>th</sup> July to 3<sup>rd</sup> Aug 2019 at NRL Main playground. Members enthusiastically participated in this tournament and made the event a grand success.

## Tribute to Missile Man of India- Dr. APJ Abdul Kalam



Members paid their tributes to the Missile Man of India Dr APJ Abdul Kalam on 27<sup>th</sup> July 2019, on his fourth death anniversary.

## 93<sup>rd</sup> Birth Anniversary of Dr. Bhupen Hazarika celebrated



Commemorating the rich legacy left behind by the legendary cultural icon of Assam, Rangchali Club celebrated the 93<sup>rd</sup> Birth Anniversary of Dr. Bhupen Hazarika on 8<sup>th</sup> Sept, 2019 in presence of its members.

## Farewell

Rangchali Club gave a warm farewell to its senior member Mr. Dipak Chandra Mahanta (Technical Assistant) upon his superannuation from the services of the Company on 4<sup>th</sup> Aug 2019 at the Club premises.



*From this issue onwards, we will give you a glimpse of activities in the  
DNest Club- the Officers' Club at Guwahati*



*Inauguration of new DNest Club House facility by first lady Mrs. Nilakshi Barua*



*Personality Development training for children as part of Summer camp held in Club premises during July 2019*



*Handwriting training as part of Summer camp held in Club premises during July 2019*



*Tree plantation drive by children during the Summer Camp*



*DNest members handing over a Desktop PC to Uttaran, a school for special children on 26-08-2019*



*Financial assistance to Shri Kulen Sarma, Contract Staff at Project Site, Guwahati Corporate Office Building Project for his eye treatment on 05-09-2019*



*Financial assistance to Ms. Momi Begum, daughter of Magibar Rahman (security staff at Corporate Office) for her extraordinary performance in 10+2 exam on 12-09-2019*



*Financial assistance to Ms. Risha Dauka for pursuing her JEE coaching program on 24-09-2019*

## 73<sup>rd</sup> Independence Day Celebration at DPS Numaligarh

The 73<sup>rd</sup> Independence Day was celebrated at DPS, Numaligarh with unprecedented patriotic fervour on 15th August, 2019. The National Flag was hoisted by Principal Mr.U.C. Harbola in the Senior Wing followed by a short cultural programme by the students and teachers. In

a thoughtful speech, the Principal reminded the students about the sacrifices made by our freedom fighters and also spoke on Article 370. Thereafter, few students proceeded to the CISF camp to participate in the March Past (NCC Girls) and cultural programme.



## Teachers' Day celebrated with much fervor

On 5<sup>th</sup> September 2019 DPS Numaligarh celebrated 'Teachers Day' in order to mark the birthday of Dr. Sarvepalli Radhakrishnan. The cultural programme started with the welcoming of the teachers with *gamucha* followed by the presentations of songs, dance and speeches by the students from different classes. Teachers were presented with different types of saplings along with befitting titles. The programme ended with a speech by the Principal Mr. U C Harbola, appreciating the well-coordinated and timely completion of the cultural programme and other co-related activities for the day.



## Fun filled Half Night Camp

To instill independence and social skills among students, DPS Numaligarh organized a Half Night Camp for the children of Classes I and II on 23<sup>rd</sup> August, 2019. Filled with dance, games and food it was an enjoyable camp. At the end, each child was handed a participation certificate with chocolates.



## 6<sup>th</sup> Foundation Day of Sukriti Resource Centre celebrated

Sukriti Resource Centre-the Special Wing of DPS Numaligarh celebrated its 6<sup>th</sup> Foundation Day on 27<sup>th</sup> September, 2019 in a Special Assembly at DPS Junior School campus. The highlight of the show was the Choir and Dance presented by Class II and III students along with a special number performed by the specially abled children. The Assembly was followed by Garland and Rangoli making activity at Sukriti Resource Centre to mark and celebrate the Foundation Day of the Resource Unit.



## **AWARDS** Adamas University Best Maintained School in the North East for 2019-20 Award

DPS, Numaligarh(DPSN) is the proud recipient of the Adamas University Award for the Best Maintained School in the North East for the year 2019-20 given as part of The Telegraph School Awards for Excellence on 28<sup>th</sup> September 2019 at Guwahati. Most of the renowned schools from the NE participated in the event in different categories. DPSN received the honour based on the maintenance and upkeepment of the school infrastructure as well as its premises.



Mrs Sushmita Barua (PGT English) received the Teachers' Day Award 2019 bestowed by IIHM (Indian Institute of Hotel Management) in a grand function held on 29<sup>th</sup> September at Taj Vivanta, Guwahati.

## WORKSHOPS

### Capacity Building Programme organized

A Capacity Building Programme on Classroom Management was held on 23<sup>rd</sup> and 24<sup>th</sup> July 2019 for the teachers at DPS, Numaligarh organized by the CBSE, Headquarters/ Centre of Excellence, Guwahati. The resource persons Shri Ravindranath D. Savdeykar (Principal, VKV Dibrugarh) and Shri Subrahmanya Kumar Sripada (Principal, DPS Duliajan) conducted the workshop making it an enriching experience for the teachers throwing light on adopting various techniques to make teaching-learning more effective.

### Workshop on the Teaching and Learning of English

A workshop on the Teaching and Learning of English for Senior Secondary Teachers was held in the DPS HRD Centre Mathura Road, New Delhi on 27-29<sup>th</sup> August 2019 where Ms. Prarthana Sarma represented DPSN.



### Art Integrated Learning Workshop

An Art Integrated Learning Workshop was organized at DPSN for the teachers on 31<sup>st</sup> August 2019. Conducted by Mrs Anurekha Barkakoti, Former Principal, DPSN, the workshop mainly aimed at making classroom transactions joyful and creative while appreciating our rich art and cultural heritage.



## Pradhan Mantri Bhartiya Janaushadhi Pariyojana Kendra launched

**A** Pradhan Mantri Bhartiya Janaushadhi Pariyojana Kendra (PMBJP) under BPPI (Bureau of Pharma Public Sector Undertakings of India) has been set up by NRL at the VKNRL Hospital, which is the first of its kind in the country amongst oil companies and the first one in Golaghat district. The Centre was inaugurated on 19-07-19 by MD, NRL Mr. S. K. Barua in presence of senior officials from NRL, VKNRL, BPPI and other distinguished guests.

This campaign was launched by Hon'ble PM Shri Narendra Modi in 2014 for the noble cause – 'Quality Medicines at Affordable Prices for All' through the Department of Pharmaceuticals, Govt. of India, to provide quality generic drugs, which are available at lesser prices but are equivalent in quality and efficacy as expensive branded drugs to the masses through its special kendras known as Pradhan Mantri Bhartiya Jan Aushadhi Kendra.



## Flood Relief

**O**n 27<sup>th</sup> July 2019, employees of Vivekananda Kendra NRL Hospital donated food items, stationery, clothes etc. amongst flood affected people covering 280 households of Diffalupathar & Japaripathar villages of Bokakhat.



## Photo Speak



Celebration of Universal Brotherhood Day on 11<sup>th</sup> Sep'19 at VKNRL Hospital



Mid Term CME organised by VKNRL Hospital on 28<sup>th</sup> Sep'19

## Foundation Stone Laid for LPG Plant & POL Terminal in Jharkhand

Strengthening its presence in the Eastern Region, BPCL is setting up its first major POL terminal of 27,200 KL storage capacity and first LPG bottling plant with a 24 station electronic carousel and Bulk LPG storage capacity of 900 MT in mounded storage vessels at Bokaro. On 11.8.2019, Shri Dharmendra Pradhan, Hon'ble Minister of Petroleum & Natural Gas & Steel and Shri Raghubar Das, Hon'ble Chief Minister of Jharkhand laid the foundation stone for these projects, which would entail a total investment of about Rs 350 crores.



## BPCL Reigns Supreme at the MOP&NG Swachhata Pakhwada Awards

The resounding performance of BPCL during the recent Swachhata Pakhwada in July 2019 won BPCL the "First place" among Oil & Gas PSUs and offices. The "Swachhata Pakhwada Puraskar" for 1st-15th July 2019 was presented by Shri Dharmendra Pradhan, Hon'ble Minister of Petroleum & Natural Gas & Steel, in the presence of Dr. M. M. Kutty, Secretary, MOP&NG. The award was received by Mr. K. Padmakar, Director (HR) and Mr. M.A. Khan, ED (Coordination). Mumbai Refinery bagged the first place among refineries and BORL secured the third place.

Over 19 lakh persons were reached out to, through a whopping number of 50,000 activities ! The extended BPCL network including Retail Outlet Dealers, LPG Distributors and channel partners played an integral role as multipliers of activities, even taking activities right up to the doorstep of customers.



This Pakhwada helped the Company take a big leap in realizing Hon'ble Prime Minister's mission of a Swachha Bharat and thus, pay a tribute to Mahatma Gandhiji on his 150th birth anniversary.

## Inauguration of Baitalpur LPG Plant

18th September 2019 was a memorable day for the E&P and LPG fraternity as the state-of-the-art LPG bottling plant at Baitalpur, District Deoria, UP was inaugurated and dedicated to the nation by Shri Adityanath Yogi, Hon'ble Chief Minister of UP and Shri Dharmendra Pradhan, Hon'ble Minister of Petroleum & Natural Gas & Steel, in the august presence of Mr. Ashutosh Jindal, Joint Secretary Marketing, MoP&NG, Mr. Arun Kumar Singh, Director (Marketing), Mr. I.S. Rao, ED (LPG) and Mr. Y.V. Apte, ED (E&P) HQ.

Located 10 km from Deoria City, the Plant is spread over an area of 14.04 acres and will cater to about 9 lakh households of Uttar Pradesh and 5.4 lakh households of Bihar. The total project cost is to the tune of Rs.62.2 Crores and the total plant capacity is 90,000 MTPA. Apart from a 24 station fully automated imported carousel, capable of producing zero defect cylinders, the Plant is designed in such a way that it can do bottling of almost all type of cylinders in the industry i.e. 2 kg, 5 kg, 14.2 kg, 19 kg, 35 kg and 47.5 kg, with all the allied facilities to ensure production with 100% assured quality and quantity. With a bulk storage capacity of 900 MT in three mounded storage vessels, it also has in-house cylinder pressure testing and painting facility.



## Reputation Strategy Meet Culminates in Bharat Petroleum Response Force

Brand & PR organised a Reputation Strategy Meet 2019 at Madurai where analysis of case studies and the distillate of their learnings was presented on 'Reputation Management through storytelling, during a crisis and by leveraging of

social media. Eventually, the energized participants, who were mainly location heads, were anointed as members of the Bharat Petroleum Response Force (BPRF) to uphold the reputation of Bharat Petroleum in all their endeavours.



## Cooperation Agreement for Eastern Cluster Project in Russia

The Indian Consortium, comprising Bharat PetroResources Ltd.(BPRL), ONGC Videsh Ltd.(OVL), Indian Oil Corporation Ltd.(IOC) and Oil India Ltd. (OIL), have signed a non-binding Cooperation Agreement with the Russian National Oil Company, M/s Rosneft, on 17th September 2019 in the presence of Hon'ble Minister of Petroleum and Natural Gas, Shri Dharmendra Pradhan, for reiterating their interest in participation in the Eastern Cluster Project in Russia.

BPRL is the Coordinator of the Indian Consortium for the project. Mr. Ajay Kumar V, MD, BPRL, as leader of the Indian Consortium, exchanged the agreement with Mr. Igor Sechin,



Chairman of the Management Board & CEO, Rosneft and Former Deputy Prime Minister of the Russian Federation at an event held at Delhi.

## Prestigious Award for BPCL Liquid Cargo Jetty

On 9<sup>th</sup> August, 2019 Uran LPG Terminal was awarded as the best performer of the year 2018-19 for handling the highest ever liquid cargo since inception at BPCL's Liquid Cargo Jetty at JNPT. The award was handed over by Shri Mansukh L. Mandaviya, Hon'ble Minister of State for Shipping (Independent Charge) & Chemicals and Fertilizers in the presence of Shri Sanjay Sethi, Chairman JNPT, IAS, Shri Sanjay Bhatia, Chairman MbPT and other dignitaries. Commissioned during the year 2002, the Jetty is a joint venture of BPCL/IOCL with JNPT, initially designed to handle 4.5 MMT and achieved handling of 7 MMT of liquid cargo in year 2018-19.



## Corporate HSSE Bags Energy and Environment Foundation Global Award

On 23<sup>rd</sup> August 2019, Corporate HSSE was awarded with the 'Energy and Environment Foundation Global Award 2019 - Gold Category' in recognition of its outstanding contribution, professionalism, commitment and action towards positive impact on the environment. In the category of Global Sustainability, BPCL's consistent efforts to improve management of natural resources, demonstrating new innovative methods to tackle challenges posed by climate change, raising awareness of emerging environmental challenges and sustainability were lauded.



## Foundation Stone of HPG (2nd Stage) Plant laid

Foundation Stone of HPG 2nd Stage Plant was laid by Shri Sadananda Gowda, Hon'ble Union Minister of Chemicals and Fertilizers on 19<sup>th</sup> September 2019 at BCPL Petrochemical Complex, Dibrugarh in the august presence Shri Rameswar Teli, Hon'ble Union Minister of State for Food Processing Industries and a host of other dignitaries. The 52,000 TPA plant



to be set up at an estimated cost of Rs. 125.99 crore, once operational, will produce a value added product which can be blended with Motor Spirit.

## Relief activities organised for Flood Victims

BCPL in association with Assam Medical College and Hospital, Dibrugarh organized free health check-up camps in nearby schools on 31<sup>st</sup> July, 5<sup>th</sup> August and 7<sup>th</sup> August, 2019. Essential commodities such as potatoes, flat rice, biscuits,

mosquito coils, candles etc. were also distributed to around 1000 flood affected people in the relief camps at Charaihaba Gaon, Garudharia and Lezai.



## Coordination meeting with all PSU's of North East held at BCPL, Dibrugarh

Shri Chandra Mohan Patowary, Hon'ble Minister of Commerce and Industry etc., Govt. of Assam chaired a coordination meeting with all the PSU's of the North Eastern Region at Administrative Building, BCPL, Dibrugarh on 13<sup>th</sup> September 2019 in order to promote business relations amongst them. Shri Patowary further attended a workshop "Opportunities in Plastic Industry" organized by Assam Industrial Development Corporation (AIDC) in association with Federation of Indian Chambers of Commerce and Industry (FICCI) & BCPL on 13th September 2019 at Dibrugarh for Promotion of Plastic Park which was by entrepreneurs across NER.



### Photo Speak



Vehicle with the first lot of hazardous waste materials flagged off by BCPL MD Mr. A K Singh from BCPL, Dibrugarh to Calcom Cement India Limited, Umrangso for co-processing at their end on 30<sup>th</sup> September 2019.



A chemical treatment facility for part reuse of treated effluent water in fire water network installed and commissioned on 26th September 2019, making BCPL a zero discharge plant.



Bhoomi Puja of Cooling Tower done on 30<sup>th</sup> July, 2019 in presence of Chairman - ABRPL, Director (Finance), NRL and Director - ABRPL.



Mr. Sanjay Aggarwal, Director – ABRPL, Mr. Faizur Rehman, Director – ABRPL and Mr. G. N. Sarma, CEO – ABRPL jointly inaugurated 'Ashray' – The Transit Camp of ABRPL on 30<sup>th</sup> July, 2019



73<sup>rd</sup> Independence Day celebration at ABRPL Project site



ABRPL inaugurated its first Guest House on 30<sup>th</sup> September, 2019 in presence of all officers of ABRPL project.

## Hindi Section

### नुमालीगढ़ रिफाइनरी में हिंदी सप्ताह समारोह का सफल आयोजन

प्रति वर्ष की तरह नुमालीगढ़ रिफाइनरी में इस वर्ष भी दिनांक 14 सितम्बर, 2019 से 20 सितम्बर, 2019 तक बड़े ही हर्षोल्लास के साथ हिंदी सप्ताह मनाया गया।

दिनांक 14 सितम्बर को हिंदी दिवस के उपलक्ष्य में आयोजित हिंदी सप्ताह का उद्घाटन समारोह प्रशासन सभाकक्ष में मनाया गया। निदेशक(तकनीकी) श्री बी जे फुकन की अध्यक्षता में आयोजित इस उद्घाटन समारोह में महाप्रबंधक(एचआरडी) श्री काजल शर्मा ने उपस्थित सभी का स्वागत किया और हिंदी सप्ताह के दौरान आयोजित होनेवाले विभिन्न कार्यक्रमों की संक्षिप्त रूपरेखा सभी को अवगत कराया। हिंदी दिवस के उपलक्ष्य में

देशवासियों के लिए प्रेषित माननीय केंद्रीय गृहमंत्री श्री अमित साह जी, माननीय पेट्रोलियम और प्राकृतिक गैस मंत्री श्री धर्मेन्द्र प्रधान जी की शुभकामना संदेश एवं अपील क्रमशः उप महाप्रबंधक(परियोजना) श्री सुजीत सिंह और वरिष्ठ प्रबंधक (सीएसआर) श्रीमती शर्मिष्ठा दत्त ने पाठ की।

अपने अध्यक्षीय भाषण में निदेशक(तकनीकी) श्री बी जे फुकन जी ने कहा कि भाषा का पूर्ण विकास अधिक से अधिक प्रयोग से ही संभव है और प्रयोग तभी संभव है जब हम सभी उसका आदर करें और मन से स्वीकारें। उन्होंने कार्यालय में हिंदी का प्रयोग बढ़ाने के लिए सभी का योगदान हेतु सभी उपस्थितगण से अपील की। इस अवसर पर श्री देवाशीष चौधुरी, वरिष्ठ मुख्य



निदेशक(वित्त) को गामोसा से स्वागत



स्लाइड प्रस्तुतीकरण



श्री प्रबीर तालुकदार, महाप्रबंधक(एचआरएस) द्वारा धन्यवाद ज्ञापन

महाप्रबंधक(मानव संसाधन व विधि) ने अपना विचार व्यक्त करते हुए कहा कि हिंदी कार्यान्वयन निरंतर चलने वाली प्रक्रिया है, इसकी उत्तरोत्तर प्रगति के लिए अपना योगदान देना सभी का नैतिक दायित्व है।

इस अवसर पर नुमालीगढ़ रिफाइनरी, हिंदी अनुभाग द्वारा प्रस्तुत राजभाषा गतिविधियों की संक्षिप्त रूपरेखा स्लाइड प्रस्तुतीकरण द्वारा प्रदर्शन किया गया। महाप्रबंधक (एचआरएस) श्री प्रबीर तालुकदार के धन्यवाद ज्ञापन के बाद सभाकक्ष में उपस्थित सभी ने खड़े होकर “सारे जहां से अच्छा हिंदोस्तां हमारा” गीत प्रस्तुती से उद्घाटन समारोह का समापन हुआ।

हिंदी सप्ताह के दौरान रिफाइनरी कर्मचारी, केंद्रीय सुरक्षा बल के कार्मिकों, गृहिणियों, और स्कूली बच्चों को शामिल करते हुए विभिन्न प्रतियोगिताएं आयोजित की गई। जैसे - कर्मचारियों के हिंदी नोटिंग एवं आलेखन प्रतियोगिता, हिंदी ईमेल पत्राचार प्रतियोगिता, केंद्रीय सुरक्षा बल के कार्मिकों के लिए श्रुतलेख, स्कूली बच्चों के लिए आशुभाषण, कविता पाठ, कविता लेखन, लघु कथा लेखन कबीर दोहे और वाद-विवाद और गृहिणियों सहित सभी वर्गों के लिए कहानी, कविता, निबंध, यात्रा वृत्तांत और पुस्तक समीक्षा लेखन आदि। सभी वर्गों के प्रतिभागियों ने इन सभी प्रतियोगिताओं में बढ़चढ़ कर हिस्सा ली।

हिंदी सप्ताह के समापन तथा पुरस्कार वितरण समारोह दिनांक 20 सितम्बर '19 को प्रशासन सभाकक्ष में आयोजित की गई। इसका शुभारंभ कर्मचारियों द्वारा प्रस्तुत “हम होंगे कामयाब” गीत से हुई। निदेशक (तकनीकी) श्री बी जे फुकन की अध्यक्षता में आयोजित इस समारोह में वरिष्ठ प्रबंधक(सीएसआर) श्रीमती शर्मिष्ठा दत्त ने उपस्थित सभी का स्वागत किया। अध्यक्ष महोदय ने हिंदी सप्ताह के दौरान आयोजित सभी प्रतियोगिताओं में लोगों की प्रतिभागिता को देखकर खुशी व्यक्त की और आगे भी इस जोश को बरकरार रखने के लिए आग्रह किया। इस अवसर पर निदेशक(वित्त) श्री इंद्रनील मित्र और महाप्रबंधक(एचआरडी) श्री काजल शईकीया, ने भी अपना-अपना बहुमूल्य विचार साझा करते हुए उपस्थित सभी को प्रेरित किया। इस अवसर पर एनआरएल, दिल्ली कार्यालय के वरिष्ठ प्रबंधक(हिंदी) श्री रवीन्द्र मिश्र को नराकास(उपक्रम), गुवाहाटी द्वारा आयोजित निबंध प्रतियोगिता में प्रथम पुरस्कार से नवाजे जाने पर एनआरएल, नुमालीगढ़ की ओर से अध्यक्ष महोदय द्वारा स्मृतिचिह्न प्रदान कर सम्मानित किया गया।



‘सारे जहां से अच्छा हिंदोस्तां हमारा’ गीत प्रस्तुती का एकांश



श्रुतलेख प्रतियोगिता में सीआईएसएफ के कामिकों



हिंदी कार्यशाला एवं नोटिंग एवं ड्राफ्टिंग के प्रतिभागिगण सहित महाप्रबंधक (एचआरडी) श्री काजल शईकीया(बीच में)



कोरास - ‘हम होंगे कामयाम’



श्री रवींद्र मिश्र जी को स्मृतिचिह्न प्रदान



अपना विचार रखते हुए महाप्रबंधक(एचआडी) श्री काजल शईकीया

समारोह के अंत में अध्यक्ष श्री बी जे फुकन के अलावा, निदेशक वित्त श्री इंद्रनील मित्र, महाप्रबंधक(एचआरडी) श्री काजल शईकीया के करकमलों से सभी विजेता प्रतिभागियों को पुरस्कार प्रदान किया गया। समारोह में नुमालीगढ़ रिफाइनरी के वरिष्ठ अधिकारीगण, सीआईएसएफ के कार्मिकों, कर्मचारियों के परिजनों एवं विजेता प्रतिभागी गण, उपस्थित रहे।

श्री जगदीश शर्मा, सहायक प्रबंधक(एचआर) के धन्यवाद ज्ञापन से इस समारोह का समापन हुआ।



श्री जगदीश शर्मा, सहायक प्रबंधक(एचआर-आईआर) द्वारा धन्यवाद ज्ञापन



विजेता प्रतिभागियों को पुरस्कार वितरण

## नुमालीगढ़ रिफाइनरी में हिंदी कार्याशाला का आयोजन

कर्मचारियों को हिंदी में कार्य करने में आनेवाली परेशानियों के निवारण हेतु हर तिमाही में एक हिंदी कार्यशाला का आयोजन किया जाता है। इस कड़ी में इस तिमाही की कार्यशाला का आयोजन दिनांक 17 सितम्बर '19 को नुमालीगढ़ रिफाइनरी के प्रशिक्षण एवं विकास केंद्र में रिफाइनरी कर्मचारियों के लिए “कार्यालयीन कामकाज का ज्ञान” शीर्षक पर एक दिवसीय हिंदी कार्यशाला का आयोजन किया गया। इसमें रिफाइनरी के विभिन्न विभागों से कुल 16 कर्मचारियों ने प्रतिभागिता की।

कार्यशाला के उद्घाटन सत्र में महाप्रबंधक (एचआरडी) श्री काजल शईकीया ने प्रतिभागियों को कार्यालयों में हिंदी प्रयोग की बढ़ोत्तरी लाने हेतु अपनी ईच्छा शक्ति को बढ़ाने की सलाह दी। उन्होंने आगे कहा कि निरंतर प्रयास से किसी भी कठिन काम सहजता से किया

जा सकता है। दो सत्रों में विभाजित इस कार्यशाला का प्रथम सत्र में संविधान में राजभाषा की स्थिति, राजभाषा से संबंधित अन्य नीतियों, आदेशों, अनुदेशों तथा प्रोत्साहन योजना की जानकारी दी गई। द्वितीय सत्र में कार्यालयीन कामकाज में प्रयोग होनेवाली पारिभाषिक शब्दावली, वाक्यांश, छोटी-छोटी टिप्पणियां, कार्यालयीन पत्र लेखन की विशेषताएं और अनुवाद तकनीकी के बारे में विस्तृत रूप से जानकारी दी गई। इस दौरान प्रतिभागियों के बीच हिंदी नोटिंग और ड्राफ्टिंग की एक प्रतियोगिता का भी आयोजन किया गया। विजेता प्रतिभागियों को हिंदी सप्ताह समापन समारोह के दौरान निदेशक(तकनीकी) श्री बी जे फुकन के करकमलों से प्रदान किया गया। इस प्रतियोगिता में श्री ऋषि कुमार गोगोई को प्रथम पुरस्कार, श्री जयंत माधव गोगोई को द्वितीय, श्री विजय बाबु गोरे को तृतीय और श्री मनमीत दत्त को सात्वना पुरस्कार से नवाजा गया।

## নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাৰ ইটো সিটো

১৭/০৭/১৯ - নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাৰ তৰফৰ পৰা সাহিত্য একাডেমী পুৰস্কাৰ প্ৰাপ্ত বিশিষ্ট সাহিত্যিক, উপন্যাসিক, পূৰ্ববী বৰমুদৈক সভাৰ প্ৰাংগণত বস্তু প্ৰজ্বলনেৰে শ্ৰদ্ধাঞ্জলি জনোৱা হয় আৰু শোক সন্তপ্ত পৰিয়ালবৰ্গলৈ এক শোক পত্ৰাৰ প্ৰেৰণ কৰা হয়।

৩০/০৭/১৯ - শাখাৰ দ্বাৰা অনুষ্ঠিত অন্তৰংগ গধূলি আৰু সম্বৰ্ণনা অনুষ্ঠানত শাখাৰ আজীৱন সদস্য শ্ৰীযুক্ত দীপক চন্দ্ৰ মহন্ত আৰু তেখেতৰ



শাখাৰ দ্বাৰা অনুষ্ঠিত অন্তৰংগ গধূলি অনুষ্ঠানত শাখাৰ আজীৱন সদস্য শ্ৰীযুক্ত দীপক চন্দ্ৰ মহন্ত আৰু তেখেতৰ সহধৰ্মিনী সহিতে সভাৰ বিশেষ সম্বৰ্ণনাৰ মূহুৰ্ত্ত

সহধৰ্মিনী সহিতে সম্বৰ্ণনা জনোৱা হয়। সভাত সভাপতি, হেমন্ত কুমাৰ নাথদেৱে কলাগুৰু বিষ্ণুপ্ৰসাদ ৰাভা দেৱক বিষয়বস্তু হিচাপে লৈ স্ব-ৰচিত আৰু নিজাকৈ সুৰ দিয়া এটি গীত পৰিৱেশন কৰাৰ উপৰিও জ্যোতিপ্ৰসাদ আগৰৱালাদেৱৰ গীত পৰিৱেশন কৰি অন্তৰংগ অনুষ্ঠানটি অধিক আকৰ্ষণীয় কৰি তোলে।

১১/০৮/১৯ - নুমলীগড় শোধানাগাৰ শাখা সাহিত্য সভাৰ উদ্যোগত জনহিতকৰ কাৰ্যসূচীৰ অংশ হিচাপে দিচৈ গাঁও পঞ্চায়তৰ অধীনস্থ লহৰে চাপৰিত বানে ধোৱা অঞ্চলত এলানি ব্যতিক্ৰমী কাৰ্যসূচী 'জ্ঞান সাৰথি' ৰূপায়ন কৰা হয়। এই কাৰ্যসূচীৰ আধাৰত বন্যাতসকলৰ লগতে ভুক্তভোগী ছাত্ৰ ছাত্ৰী সকলৰ মাজত শৈক্ষিক সামগ্ৰী বহী, কলম, পেঞ্চিল, পেঞ্চিল বাকচ, ৰাবাৰ, জ্যামিতি বাকচ, স্কুলবেগ, আৰু স্কেল আদি বিতৰণ কৰা হয়। তিনিখন বিদ্যালয়ৰ প্ৰায় ডেৰশ গৰাকী ছাত্ৰ-ছাত্ৰীয়ে এই সামগ্ৰীসমূহ গ্ৰহণ কৰে। ইয়াৰোপৰি, ১৬৫টা পৰিয়ালৰ মাজত ফেনাইল, চেনীটেৰী নেপকীন, ব্লিচিং পাউদাৰ, ডেট'ল, বিস্কুট, মহ খেদিব পৰা ধূপ আদি বিতৰণ কৰা হয়। শাখাৰ সভাপতি, শ্ৰীযুত হেমন্ত কুমাৰ নাথৰ নেতৃত্বত যোৱা এই দলটিৰ লগতে সম্পাদক, দিলীপ শইকীয়া, সহ সম্পাদক, অজিত কুমাৰ দাস, উপ-সভাপতি, অনিল ডেকা, অসম সাহিত্য সভাৰ কেন্দ্ৰীয় সমিতিৰ কাৰ্যনিৰ্বাহক, শ্ৰীযুত হেমেন হাজৰিকা, শাখাৰ সদস্য, গজেন দলে, শিশু সদস্য, শ্ৰীমান জয়ৰাজ দলে, মিণ্টু তামুলী, ৰাজীৱ বাঁচৈ সমন্বিতে অন্যান্য প্ৰায় ৮ গৰাকী সহযোগীয়ে যাত্ৰাটিৰ সফল সমাপ্তি কৰে।

উল্লেখনীয় যে সামগ্ৰীসমূহ বিতৰণৰ পূৰ্বে স্থানীয় শিক্ষকসকলৰ নেতৃত্বত বিদ্যালয়ৰ ছাত্ৰ-ছাত্ৰী সকলে অসম সাহিত্য সভাৰ শীৰ্ষ গীত "অ' মোৰ আপোনাৰ দেশ" গীতটি যথা ৰীতিৰে পৰিবেশন কৰি সামগ্ৰী বিতৰণ কাৰ্যসূচীৰ শুভাৰম্ভ কৰে।



শাখা সাহিত্য সভাৰ জনহিতকৰ এলানি ব্যতিক্ৰমী কাৰ্যসূচীৰ অংশ হিচাপে দিচৈ গাঁও পঞ্চায়তৰ অধীনস্থ লহৰে চাপৰিত বানেধোৱা অঞ্চলত 'জ্ঞানসাৰথি' ৰূপায়ন

১৮/০৮/১৯ - শাখাৰ উদ্যোগত আয়োজিত এখনি শোক সভাত বিগত ১৭-০৮-১৯ তাৰিখে পৰলোকগামী হোৱা বিশিষ্ট শিক্ষাবিদ, ভাষাবিদ, মিচিং ভাষাৰ অভিধান প্ৰণেতা, কটন মহাবিদ্যালয়ৰ প্ৰাক্তন উপাধ্যক্ষ, প্ৰয়াত টাবুৰাম টাইডৰ প্ৰতি গভীৰ শোক নিবেদন কৰা হয়।



বিশিষ্ট শিক্ষাবিদ, ভাষাবিদ প্ৰয়াত টাবুৰাম টাইডৰ মৃত্যুত সভাৰ শোকপ্ৰকাশ

০৮/০৯/১৯ - শাখাৰ উদ্যোগত প্ৰয়াত গণশিল্পী ভাৰতবৰুৱা, ড° ভূপেন হাজৰিকাৰ ৯৪ সংখ্যক জন্মদিবস উপলক্ষে আয়োজিত 'শব্দৰ প্ৰাক্ক্ষণত ভূপেনদা' শীৰ্ষক অনুষ্ঠানত ভূপেন হাজৰিকাৰ প্ৰতিমূৰ্তিৰ



শাখাৰ উদ্যোগত ভাৰতবৰুৱা, ড° ভূপেন হাজৰিকাৰ ৯৪ সংখ্যক জন্মদিবস উপলক্ষে আয়োজিত 'শব্দৰ প্ৰাক্ক্ষণত ভূপেনদা' শীৰ্ষক অনুষ্ঠানৰ এটি মুহূৰ্ত সম্মুখত বস্তু প্ৰদৰ্শন, প্ৰতিমূৰ্তিত পুষ্পাঞ্জলী প্ৰদানৰ লগতে কেইবাগৰাকী সদস্য / সদস্যা শিল্পীৰ লগতে শিশু শিল্পীয়ে গীত-মাত, কবিতা আবৃত্তি আৰু কথাৰে অনুষ্ঠানটি উপভোগ্য কৰি তোলে।

২৭/০৯/১৯ - শাখাৰ উদ্যোগত দৈয়াং অতিথিশালাৰ সভাগৃহত আয়োজিত এক বিশেষ অন্তৰংগ গধূলিত শোধানাগাৰটিৰ এগৰাকী উপ-মহাপ্ৰবন্ধক, শ্ৰীযুত ঘনশ্যাম গগৈ আৰু তেখেতৰ পত্নী তথা শাখাৰ এগৰাকী অন্যতম সক্ৰিয় সদস্যা, শ্ৰীযুতা অৰ্চনা গগৈক সম্বৰ্ধনা জনোৱা হয়। লগতে এই শাখাটিয়ে অসম সাহিত্য সভাৰ ভিতৰত শ্ৰেষ্ঠ শাখাৰ স্বীকৃতি লাভ কৰাৰ বাবে শাখাৰ বিষয়ববীয়া সকলৰ শলাগ লোৱা হয়। উক্ত অনুষ্ঠানত বিভিন্নজনৰ লগতে শাখাৰ সভাপতি, শ্ৰীযুত হেমন্ত কুমাৰ নাথে শ্ৰীযুত গগৈদেৱৰ কৰ্মময় জীৱনৰ সন্দৰ্ভত আলোকপাত কৰি নুমলীগড় শোধানাগাৰৰ জন্মলগ্নৰে পৰা শোধানাগাৰটিৰ শ্ৰীবৃদ্ধিত তেখেতৰ বহুমূলীয়া অৱদানৰ আৰু কৰ্মদক্ষতাৰ কথা শ্ৰদ্ধাৰে দোহাৰে।

একে অনুষ্ঠানতে আমেৰিকা যুক্তৰাষ্ট্ৰৰ প্ৰবাসী অসমীয়া, ৰ'ড আইলেণ্ড বিশ্ববিদ্যালয়ৰ গণিত বিভাগৰ অৱসৰ প্ৰাপ্ত অধ্যাপক প্ৰয়াত দিলীপ কুমাৰ দত্তৰ মৃত্যুত শাখাই গভীৰ শোক প্ৰকাশ কৰে।



শাখাৰ উদ্যোগত দৈয়াং অতিথিশালাৰ সভাগৃহত আয়োজিত এক বিশেষ অন্তৰংগ গধূলিত শ্ৰীযুত ঘনশ্যাম গগৈ আৰু তেখেতৰ পত্নী তথা শাখাৰ অন্যতম সক্ৰিয় সদস্যা, শ্ৰীযুতা অৰ্চনা গগৈক সম্বৰ্ধনা জনোৱা মুহূৰ্ত



*Siliguri Marketing Terminal resplendent with the colours of the Indian tricolour on Independence Day*



*Save Jahan Se Achha*