

SPECIAL ISSUE

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KALEIDO SCOPE

STANDING CONFERENCE OF PUBLIC ENTERPRISES

75
Azadi Ka
Amrit Mahotsav

**PSEs
Celebrate
'Azadi ka
Amrit
Mahotsav'**



Secretary, DPE compliments Public Sector and SCOPE on the occasion of Public Sector Day



SCOPE signs MoU with Dr. B.R. Ambedkar School of Economics University

SCOPE and PSEs Celebrate Public Sector Day

लिग्नाइट की दिग्गज कंपनी अब स्वच्छ और हरित ऊर्जा से देश को करेगी रोशन ।

75
आज़ादी का
अमृत महोत्सव



6 गौरवशाही दशकों से भी अधिक एनएलसी इंडिया लिमिटेड लिग्नाइट उत्पादन में काफी बड़ा और ताप विद्युत उत्पादन में महत्वपूर्ण योगदान देते हुए देश में ऊर्जा क्षेत्र में सार्वजनिक क्षेत्र के उद्यमों के बीच एक अग्रदूत रहा है। आज कंपनी 50.60 लाख टन लिग्नाइट और कोयला प्रति वर्ष खनन करते हुए अपनी अनुबंधी सहित 6061 मे.वा. ताप विद्युत का उत्पादन कर रही हैं। एनएलसीआईएल का 2030 तक 13650+ मेगावाट बनने का बड़ा सपना है। अपनी लिग्नाइट और कोयला खनन क्षमता को 93.60 लाख टन प्रति वर्ष बढ़ाने की इसकी योजना है।

राष्ट्रीय सौर मिशन के एक हिस्से के रूप में नवीकरणीय ऊर्जा क्रांति के लाभांश को प्राप्त करने के लिए, भारत सरकार ने 2022 तक सौर विद्युत के 1,75,000 मे.वा. को प्राप्त करने का लक्ष्य निर्धारित किया है। एनएलसीआईएल तमिलनाडु और विभिन्न राज्यों में 4631 मे.वा. की नवीकरणीय ऊर्जा परियोजनाओं को स्थापित करने की एक महत्वाकांक्षी योजना है। वर्तमान में, कंपनी के पास 1370 मे.वा. सौर विद्युत संयंत्रों और 51 मे.वा. पवन विद्युत संयंत्र सहित 1421 मे.वा. की कुल नवीकरणीय ऊर्जा क्षमता मौजूद है।

संचालन एवं विद्याराधीन के तहत नवीकरणीय ऊर्जा परियोजनाएँ

- एनएलसीआईएल सौर ऊर्जा उत्पादन में 1 गी.वा. क्षमता को पार करने वाला पहला सीपीएसई है।
- रु.782.24 करोड़ की लागत पर नेयवेली में छत के ऊपर सौर परियोजना सहित 141 मेगावाट सौर विद्युत परियोजनाओं (एसपीपी) की शुरुआत की गई।
- तमिलनाडु के तिरुनेलवेली, विरुदनगर, रामनाथपुरम और तूतुकुडी जिलों में रु.5343 करोड़ की लागत पर 1209 मे.वा. सौर विद्युत परियोजनाओं की शुरुआत की गई। रु.1.16 करोड़ की लागत पर 200 कि.वा., नेयवेली नयी ताप विद्युत परियोजनाओं में कच्चे पानी के जलाशय में आर व डी पायलट स्केल फ्लोटिंग एसपीपी को लागू किया गया।

- 20 मे.वा.एसपीपी, दक्षिण अंडमान में 8 मे.वा. घंटे के हिसाब से बैटरी ऊर्जा संयंत्र के साथ एकीकृत किया गया है। सौर पृथक्करण में भिन्नता को पूर्ण करने के लिए भारत में यह सबसे बड़ी बैटरी बैंक है।
- देश के विभिन्न हिस्सों में 3000 मे.वा. सौर विद्युत परियोजना को स्थापित करने के लिए एक संयुक्त उद्यम कंपनी "कोयला लिग्नाइट ऊर्जा विकास प्राइवेट लिमिटेड" 10.11.2020 को कोल इंडिया लिमिटेड के साथ शामिल हुआ।
- मिनी स्मार्ट सिटी योजना के तहत नेयवेली में एक 10 मे.वा. सौर विद्युत परियोजना का कार्य निहाई पर है।
- रु.347.14 करोड़ की लागत पर तमिलनाडु के तिरुनेलवेली जिले में 51 मे.वा. (34 x 1.5 मे.वा.) पवन विद्युत परियोजना है।
- कंपनी के पास तमिलनाडु के विभिन्न हिस्सों में 200 मे.वा. पवन विद्युत परियोजना को स्थापित करने की भी योजना है।



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CREATING WEALTH
FOR WELLBEING

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सचिव
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Secretary



भारत सरकार
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लोक उद्यम विभाग
Government of India
Ministry of Finance
Department of Public Enterprises

Message

I am happy to note that Standing Conference on Public Enterprises (SCOPE) is bringing out a special issue of its monthly magazine KALEIDOSCOPE on the occasion of 'Azadi Ka Amrit Mahotsav' (AKAM) which is being celebrated to commemorate 75 years of our Independence.

Central Public Sector Enterprises (CPSEs) have been a key facilitator in our developmental efforts and are recognised as the drivers of the growth in critical sectors of Indian economy. Our CPSEs have contributed in ensuring balanced socio-economic development of the country and are enabling steady progress towards a self-reliant India. I hope and believe the special issue of KALEIDOSCOPE would be a true reflection of achievements of CPSEs since independence

I compliment SCOPE for continuing to espouse the cause of CPSEs through its meaningful initiatives. I also convey my best wishes to entire Public Sector fraternity on the occasion of Public Sector Day (10th April) and sincerely hope that our CPSEs will attain even higher levels of performance in future and continue to contribute to nation building.

(ALI R. RIZVI)

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Message by Chairperson



At the outset, warm greetings to all members of the SCOPE family of PSEs as we embark on a fresh journey with renewed enthusiasm and vigour in the new financial year. Let us make this a special year for all Public Sector Enterprises.

Each year, as part of celebrating the inimitable role of PSEs in the nation's economy and socio-economic growth, SCOPE and PSEs commemorate Public Sector Day on 10th April. I take this opportunity to extend my greetings for Public Sector Day to all our readers.

This year, as part of the celebrations, this issue of KALEIDOSCOPE highlights the various activities undertaken and being planned to be undertaken by Public Sector Enterprises (PSEs) towards 'Azadi ka Amrit Mahotsav,' an initiative of the Government to celebrate 75 years of country's independence.

'Azadi ka Amrit Mahotsav,' a *Jan Utsav* dedicated to the people depicts the nation's evolutionary journey since independence and its potential to create India 2.0, aiming to become 'Aatma Nirbhar' or 'Self-reliant' in strategic sectors. Reverberating this, PSEs have been organising several activities across every nook and corner of the country. Recently, the Department of Public Enterprises (DPE) associated SCOPE to successfully organise various events and the response from PSEs has been extremely encouraging.

This issue in many ways is a compendium of the participation and contribution of the PSEs in weaving the fabric of a strong and prosperous nation where we celebrate and rejoice together

in the success stories and also come forward in times of crisis to help one another right across the entire nation and even beyond. My compliments to each member of this fraternity for the wonderful spirit they have displayed in setting new benchmarks.

The vision of SCOPE Executive Board is reflective of the wide spectrum of activities undertaken in an array of areas for policy advocacy, capacity building and knowledge enhancement of PSEs. Pursuant to this, the board recently deliberated on innovative ways to unlock newer pathways of excellence for SCOPE and PSEs.

SCOPE as part of its capacity enhancement efforts, recently signed a MoU with Dr. B. R. Ambedkar School of Economics University, Bengaluru to strengthen PSEs on the pertinent subjects of corporate governance, economics, ethics, legal complexities, global best practices etc.

More programs, workshops and further collaborations are being explored by SCOPE to accentuate learning and development competencies of PSEs. I look forward to your continued support, enthusiastic participation and guidance in all our endeavours.

Once again, I wish the entire PSE family and all our readers a very happy Public Sector Day.

Soma Mondal
Chairperson, SCOPE



Director General 's Desk

Transcending with the times, Public Sector Enterprises (PSEs)'s role has become more strategic in the overall growth of the economy. Their strategic importance can be deciphered from their contribution to the Gross Domestic Product (GDP) and dominance in key sectors of the economy.

Hallmarking the contribution of PSEs in the nation's socio-economic growth, SCOPE along with PSEs celebrates Public Sector Day on 10th April each year. As the nationwide celebration of 'Azadi ka Amrit Mahotsav,' celebrating the country's culture, heritage and 75 years of India's independence is in full swing, SCOPE has been associated by Department of Public Enterprises (DPE) to organise AKAM activities with PSEs.

SCOPE will continue to partake in the nationwide campaign, undertaking various activities highlighting PSEs role in nation building. This issue, is being brought out marking Public Sector Day and will highlight the various activities undertaken by PSEs so far and the one's being planned as part of this *JanUtsav*.

Pertaining to the important role of PSEs, SCOPE, has been collaborating key academic/professional

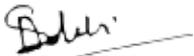
institutions to enhance their capacities and skills, aligned with international benchmarks to make them globally competitive. As part of this, SCOPE recently signed an MoU with Dr. B. R. Ambedkar School of Economics University, Bengaluru. This MoU seeks to help PSEs strengthen their role through four verticals-studies, research, workshops and training programs on pertinent subjects.

SCOPE was recently also associated by Public Enterprises Selection Board (PESB) to seek information with respect to executives in Senior and board level positions. The information of 110 PSEs was collated and shared with PESB for further consideration.

As part of representing PSEs on International forums, SCOPE recently participated in ILO ACTEMP and IOE's meeting that deliberated on innovative strategies, experiences and the way forward in making organisations more resilient and agile.

As health and wellness have been a pertinent subject for SCOPE, various programs and workshops have been organised by SCOPE and recently I was also invited as Chief Guest, OCCUCLAVE 2022, organised by Association of Environmental and Occupational Health Delhi (AEOHD) where the importance of good health and wellness on productivity were deliberated.

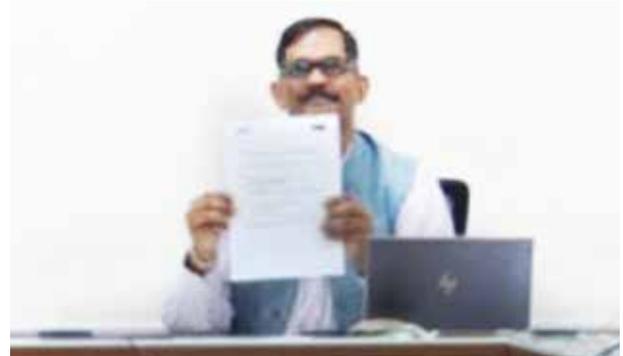
I thank PSEs for their enthusiastic response to this special issue. SCOPE will continue to garner more opportunities for highlighting the momentous work being undertaken and their 'never to die spirit.' Once again, I wish you all a very Happy Public Sector Day.


Atul Sobti

Director General, SCOPE

Programmes & Initiatives launched (since last issue of KALEIDOSCOPE)
SCOPE celebrates International Women's Day – 8 th March, 2022
MoU with Dr. B R Ambedkar School of Economics University, Bengaluru- 15 th March, 2022
Programmes & Initiatives in offing
SCOPE and PSEs celebrate Public Sector Day-Weeklong Celebrations (10 th April - 16 th April, 2022)
Knowledge Repository of Virtual Conferences and Symposium Volume II (Nov 2020 – Feb 2022)
Finalisation of SCOPE-CCL, USA Study to Develop Future Fluent Leaders in PSEs
Release of SCOPE Webpage on Climate Change Mitigation
SCOPE-GIZ Training of Western Region PSEs on 'Low-Carbon and Climate-Resilient Pathways for Indian Public Sector Enterprises - Training and Capacity Needs Assessment'

SCOPE signs MoU with Dr. B. R. Ambedkar School of Economics University



Mr. Atul Sobti, DG, SCOPE and Prof. N. R. Bhanumurthy, VC, Dr. B. R. Ambedkar School of Economics University during the MoU signing.

A Memorandum of Understanding (MoU) was signed between Mr. Atul Sobti, DG, SCOPE and Prof. N. R. Bhanumurthy, Vice-Chancellor, Dr. B. R. Ambedkar School of Economics University, Bengaluru to strengthen PSEs by broadening their horizon through effective capacity building and skill enrichment aligned with international benchmarks on 15th March, 2022. The MoU intends to undertake joint studies,

research, workshops, training programs on pertinent subjects including corporate governance, economics, ethics, legal complexities, global best practices of PSEs etc.

During the signing, while highlighting the significance of PSEs in the Indian economy, Mr. Atul Sobti presented the perspective of the MoU and termed it as a critical step towards capacity enhancement of PSEs by enabling them to perform against international

benchmarks and become globally competitive.

Presenting the role of Dr. B. R. Ambedkar School of Economics University, Bengaluru, Prof. N. R. Bhanumurthy stated that as the role of Public sector becomes more strategic, the MoU would focus on helping PSEs strengthen their role through four verticals - well designed studies, research, workshops and training programs on pertinent subjects.

SCOPE Executive Board Meeting held



194th Executive Board Meeting of SCOPE chaired by Smt. Soma Mondal, Chairman, SAIL & Chairperson, SCOPE was held recently. Mr. Atul Sobti, DG, SCOPE; Mr. Pradip Kumar Das, CMD, IREDA & Vice Chairman, SCOPE and other Members of SCOPE Executive Board were also present. Various initiatives undertaken on array of topics were deliberated and way forward for charting newer pathways of excellence for PSEs and SCOPE were deliberated.

Interface with Stakeholders

SCOPE represents PSEs at EBMO Conference

Mr. Atul Sobti, DG, SCOPE and participants during Asia Pacific Regional EBMO Conference organised by ILO ACTEMP and IOE.



DG, SCOPE holds virtual meeting with Chairman, Capacity Building Commission



Mr. Adil Zainulbhai, Chairman, Capacity Building Commission (CBC), held a meeting with Mr. Atul Sobti, DG, SCOPE, on CPSE Leadership Development and Succession Planning recently. Public Enterprises Selection Board (PESB) has asked the CBC to take a look at how

succession planning and leadership development for senior executives who are likely to make to the Board level positions can be strengthened. DG, SCOPE, presented SCOPE's views, role and initiatives in strengthening the succession planning in CPSEs.

DG, SCOPE addresses OCCUCLAVE 2022



Mr. Atul Sobti, DG, SCOPE addressed the 9th Global Conclave of AEOHD (Association of Environmental & Occupational Health Delhi) - OCCUCLAVE 2022 on 25th March 2022, as its Chief Guest. The OCCUCLAVE 2022 was organized on the theme, "Fostering Health, Well-being & Environmental Sustainability for Future

- Ready organizations."

Highlighting the importance of a safe working environment, DG, SCOPE apprised the participants about the four new Labour Codes, which entails the Code for Occupational Safety, Health and Working Conditions 2020. Public Sector Enterprises (PSEs), he said, are doing a commendable job in this regard by educating their workforce through programs, regular health check-ups, organizing camps, etc.

SCOPE, too, has been dedicatedly working with its partners to create a decent working environment for the public sector employees, he added. Talking about the importance of a green environment to build a sustainable working place, Mr. Sobti said that SCOPE, through

its programs on environmental sustainability, in collaboration with international organizations like GIZ Germany, is working towards achieving the net-zero target through capacity building and hand-holding of select PSEs.

DG, SCOPE, also thanked the medical fraternity of PSEs who worked tirelessly during the pandemic and helped save many lives. Mr. Ranjan Mehrotra, Executive Director – HSE CO, Indian Oil Corporation, Dr. Krishna Rai, Director, Accident & Emergency Medicine Department, Accord Superspeciality Hospital, Faridabad, Dr. Gajendra Kumar, President, AEOHD, Dr. Ashish Vijay Jain, Vice President, AEOHD, and Dr. Sandeep Sharma, Secretary, AEOHD, also addressed the inaugural session.

SCOPE in Media

Hindustan Times

24.3.2022 Pg no : 20

SCOPE signs MoU with BASE



A Memorandum of Understanding (MoU) was signed between Atul Sobti, Director General, Standing Conference of Public Enterprises (SCOPE) and Prof. NR Bhanumurthy, Vice-Chancellor, Dr BR Ambedkar School of Economics University, Bengaluru to strengthen PSEs.

Hindustan Times

Pg no : 17

SCOPE & IMT Hyderabad sign MoU



Excelsior

18.2.2022 Pg no : 7

SCOPE & IMT Hyderabad sign MoU on 'Digital Transformation in PSEs'

Excelsior Correspondent digitalisation is one of biggest differentiators in an organisation's performance today and stipulated that the study aims at moving beyond data analysis and understanding internal efficiencies, external components of digitalisation and ways to accelerate digital transformation in PSEs.



The Tribune

22.2.2022 Pg no : 10

SCOPE, IMT H'bad in pact for 'Digital Transformation'

An MoU has been signed between Standing Conference of Public Enterprises (SCOPE) and Institute of Management Technology, Hyderabad (IMTH), to conduct a research-based study on

NPT नवभारत टाइम्स

15.2.2022 Pg no : 11

SCOPE ने बजट के ऐलानों पर वेबिनार रखा
नई दिल्ली: स्टैंडिंग कॉन्फ्रेंस ऑफ पब्लिक एंटरप्राइजेस (SCOPE) ने डिजिटल ट्रांसफॉर्मेशन बजट 2022 नाम से वेबिनार रखा। डॉ. वी. आर. अम्बेडकर स्कूल ऑफ इकोनॉमिक्स यूनिवर्सिटी, बेंगलूरु के वाइस चान्सेलर एन आर भणुमूर्ति, SCOPE के डीजी अतुल सोबती और FACT के चान्सेलर एन सखिथमानी ने इस वेबिनार को संबोधित किया। वेबिनार में डिजिटल ट्रांसफॉर्मेशन और डिजिटल ट्रांसफॉर्मेशन के बजट के अलग-अलग हिस्सों पर एक प्रेजेंटेशन भी प्रस्तुत किया।

THE TIMES OF INDIA

Pg no : 16

SCOPE signs MoU with BASE University

A Memorandum of Understanding (MoU) was signed between Atul Sobti, Director General, Standing Conference of Public Enterprises (SCOPE) and Prof. N. R. Bhanumurthy, Vice-Chancellor, Dr. B. R. Ambedkar School of Economics University, Bengaluru, to strengthen PSEs by

NPT नवभारत टाइम्स

22.2.2022 Pg no : 12

PSE की मजबूती के लिए SCOPE ने किया करार
नई दिल्ली: अंतरराष्ट्रीय मानकों के विचार से पैरामेंटर में कैबिनेटिड डिजिटल और रिजल्ट एंटरप्राइज के लिए स्कोप और डॉक्टर वी. आर. अम्बेडकर स्कूल ऑफ इकोनॉमिक्स के बीच समझौता जमाने सहमत हुआ है। SCOPE की वक से डीजी अतुल सोबती और यूनिवर्सिटी की ओर से वाइस चान्सेलर एन आर भणुमूर्ति ने सहमत किया। इस समझौते के तहत डॉक्टर स्टडी, रिसर्च, कंसल्टिंग, ट्रेनिंग प्रदान करार करेंगे।

FINANCIAL EXPRESS

15.2.2022 Pg no : 22

SCOPE National e-Meet of Women in Public Sector (WIPS) under the aegis of SCOPE was addressed by Rekha Sharma, Chairperson, National Commission for Women; Soma Mondal, Chairman, SAIL & Chairperson, SCOPE; Atul Sobti, DG, SCOPE; Alka Mittal, CMD, ONGC; Vartika Shukla, CMD, EIL & H. K. Joshi, CMD, SCI in the presence of Dr. Dharini Mouli, President APEX; Nanda Kulkarni, President, Western Region & other members of WIPS. The program was attended by around 900 participants from across the country.

THE FREE PRESS JOURNAL

24.3.2022 Pg no : 11

SCOPE signs MoU with Dr. B. R. Ambedkar School of Economics University



FINANCIAL EXPRESS

16.3.2022 Pg no : 1

SCOPE Unravelling the Union Budget 2022. SCOP organised a webinar on Decoding the Union Budget 2022. Prof. N. R. Bhanumurthy, Vice-Chancellor, Atul Ambedkar School of Economics University, Bengaluru; Atul Sobti, DG, SCOPE & S. Sakthimani, Director (Finance) attended the webinar. About 400 participants from PSEs attended the webinar.

The Indian EXPRESS

22.2.2022 Pg no : 16



MOU - SCOPE

A MoU was signed between Atul Sobti, DG, SCOPE and Dr. K Sriharsha Reddy, Director, IMTH, in the presence of other senior officials, to conduct a research-based study on 'Digital Transformation in PSEs.'

The Indian EXPRESS

15.2.2022 Pg no : 17

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FINANCIAL EXPRESS

22.2.2022 Pg no : 15



MOU - SCOPE

A MoU was signed between Atul Sobti, DG, SCOPE and Dr. K Sriharsha Reddy, Director, IMTH, in the presence of other senior officials, to conduct a research-based study on 'Digital Transformation in PSEs.'

The Sunday Statesman

20.2.2022 Pg no : 8

SCOPE & IMT Hyderabad Sign MoU on 'Digital Transformation in PSEs'

A Memorandum of Understanding (MoU) was signed between Atul Sobti, Director, IMTH, in the presence of Shri Jayesh Kumar, Principal Secretary I&C and IT, Government of Telangana; K. Joshi, Advisor for Sustainable Development & CSR, IMTH; and Dr. Dharini Mouli, Principal Secretary, IMTH.

Excelsior

22.2.2022 Pg no : 11

SCOPE signs MoU with Ambedkar School of Economics University
Excelsior Correspondent The MoU was signed by Atul Sobti, DG, SCOPE and Prof. N. R. Bhanumurthy, Vice-Chancellor, Dr. B. R. Ambedkar School of Economics University, Bengaluru. The MoU aims at strengthening the relationship between SCOPE and the University to conduct a research-based study on 'Digital Transformation in PSEs'.

BHEL celebrates Azadi Ka Amrit Mahotsav with Zest and Zeal



Dr. Nalin Shinghal
CMD, BHEL

The country is celebrating Azadi Ka Amrit Mahotsav leading up to our 75th year of independence on 15th August 2022. The Azadi Ka Amrit Mahotsav Iconic Week i.e. the AKAM Iconic Week was celebrated by the Ministry of Heavy Industries from 10th to 16th January 2022. Many CPSEs under the aegis of the Ministry of Heavy Industries also celebrated the AKAM Iconic Week 2022 with great enthusiasm on these dates.

BHEL has always contributed unflinchingly towards nation building. In the same ever-ready spirit the company took the lead in observing this momentous occasion of India's 75th year of independence by way of celebrating the AKAM Iconic Week with fervour. It has been a matter of pride for BHEL to lead from the front and reflect our company's and our administrative Ministry's commitment, and take forward our Hon'ble Prime Minister's vision of reinvigorating the spirit of nationalism through AKAM.

The week-long celebration focussed on the themes of Actions@75, Achievements@75, Ideas@75, Resolve@75 and Freedom Struggle in the areas of Innovation, Manufacturing Excellence, AatmaNirbhar

Bharat, Environment and Sustainability, Swachha Bharat, Swastha Bharat, and Unsung Heroes of Freedom Struggle etc.

Iconic Events

Hon'ble Union Minister for Heavy Industries dedicates BHEL's indigenously-developed, India's first Coal to Methanol Pilot Plant to the Nation as part of Azadi Ka Amrit Mahotsav



As part of the Azadi Ka Amrit Mahotsav celebrations, Hon'ble Union Minister for Heavy Industries, Dr. Mahendra Nath Pandey dedicated India's first, BHEL-built Coal to Methanol (CTM) pilot plant, to the Nation on 15.01.2022 in Hyderabad.

Dr. Nalin Shinghal, CMD, BHEL, Shri Jeetendra Singh, Joint Secretary, Ministry of Heavy Industries, Functional Directors on the Board of BHEL and senior officials of the Ministry of Heavy Industries and BHEL were present in the virtual ceremony.

Dr. Pandey also inaugurated an exhibition on 'Products Developed under Aatmanirbhar Bharat' organised at BHEL's Hyderabad unit. In addition, an audio-visual presentation was made on the 'Unsung Heroes of the Indian Freedom Struggle' belonging to the Telangana Region. BHEL employees joined the program virtually from multiple locations across the country. While participants logged-in to the online event in large numbers, the event was also webcast live where scores of employees watched the proceedings through the broadcast mode.

Speaking on the occasion, the Hon'ble Minister said that one of the important goals of our Hon'ble Prime Minister Shri Narendra Modi's vision is to build a self-reliant nation. The role of the manufacturing sector will be crucial in realising this vision. The government has already highlighted the importance of the manufacturing sector through schemes like 'Make in India' and 'Aatmanirbhar Bharat'. The capital goods industry is the backbone of the manufacturing sector. It provides critical inputs such as machinery and equipment to a broad set of user industries. Being the largest engineering and manufacturing enterprise, the role of BHEL in fulfilling the vision of the Government is of particular importance. As announced by our Hon'ble Prime Minister in the recently concluded COP26 meeting, BHEL will have to play an important role in building an Atmanirbhar Bharat to meet India's climate commitments.

Dr. Nalin Shinghal, CMD, BHEL, while enumerating the initiatives undertaken by BHEL during the 'AKAM Iconic Week' celebrations,

thanked the Ministry of Heavy Industries and the Government for supporting BHEL on a sustained basis. Addressing the participants, he said that R&D has always been one of BHEL's core strengths and BHEL is focussed on playing a leadership role on the path to achieving the Hon'ble Prime Minister's 'Panchamrit' vision @ the United Nations Climate Change Conference (COP26).

Notably, the 0.25 TPD capacity CTM pilot plant, indigenously designed, developed and installed by BHEL, is currently producing methanol with purity of more than 99% from high ash Indian coals. Significantly, this conversion of high ash Indian coals to methanol through the gasification route, is the first of its kind technology demonstration in India.

Hon'ble Minister of State for Power & Heavy Industries inaugurates Webinar on 'Power Plant Flexibilisation – A Key to Grid Stability' at BHEL, Bengaluru



As part of the Azadi Ka Amrit Mahotsav celebrations, Shri Krishan Pal Gurjar, Hon'ble Union Minister of State for Power & Heavy Industries, inaugurated a webinar on 'Power Plant Flexibilisation – A Key to Grid Stability' and 'Industry 4.0 – Success with Smart Solutions', held at BHEL's Electronics Division, Bengaluru on 11.01.2022. Inaugurated via video conferencing, the webinar was graced by senior officials

of BHEL's customer organisations, industry associations and technology partners. More than 800 participants logged-in to the webinar while several others watched the proceedings through webcast mode.

Speaking on the occasion, the Hon'ble Minister said that BHEL is working towards the progress of the nation by providing superior engineering systems in power and industrial sectors, including products and services. He said

that power plant flexibilisation and implementation of Industry 4.0 are important for enhancing power generation with accent on reducing carbon emissions and said that he was glad to know that BHEL has already started offering solutions in the areas of power plant flexibilisation and Industry 4.0 to customers.

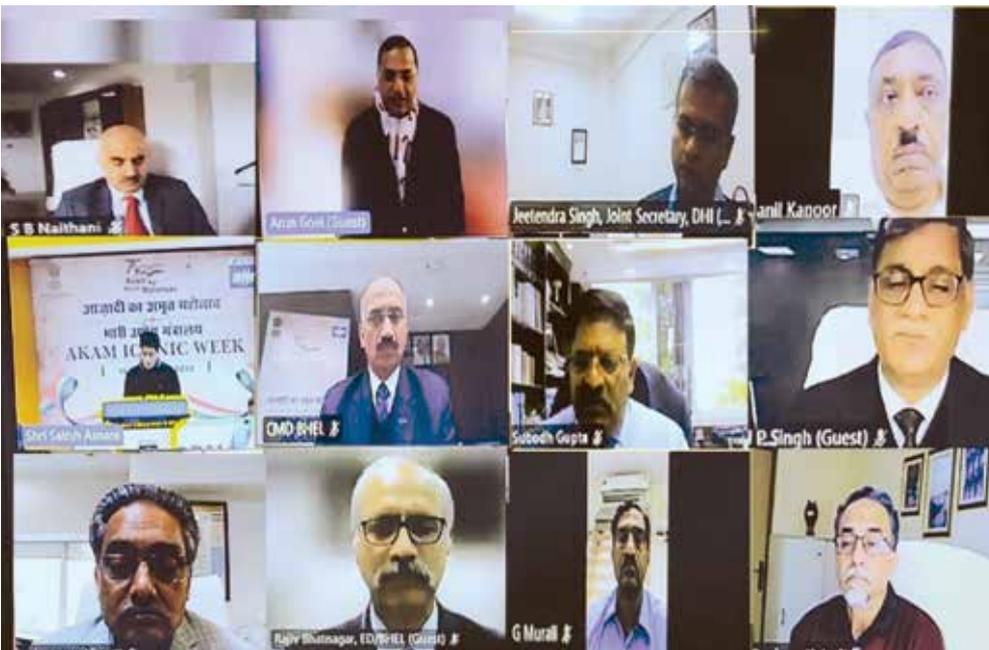
Earlier, Dr. Nalin Shinghal, CMD, BHEL, while addressing the participants, said that BHEL has made noteworthy efforts towards meeting the infrastructural needs of the nation and referred to the numerous developments taken up in this direction. He also said that BHEL's Electronics Division, Bengaluru played a key role in offering control systems and IT-based solutions for power plants and Traction.

Addresses were also delivered by Mr. K.V.S. Baba, CMD, POSOCO; Mr. Sami Riekkola, President of Valmet Automation, Finland and Mr. B.C. Mallick Chief Engineer, CEA, besides other eminent speakers from NTPC, Valmet Automation, Steag, IESA, IIT-Chennai and BHEL.

Secretary (HI) inaugurates exhibition on 'Unsung Heroes of Freedom Struggle' at BHEL Bhopal

& Managing Director, BHEL, Functional Directors on the Board of BHEL, and other senior officials of units and offices of BHEL joined the program virtually from multiple locations across the country. The event was also webcast live and more than 225 participants logged-in to the online event while several others watched the proceedings through the webcast mode.

Following the inauguration of the exhibition by the Chief Guest, a picture gallery of the 'Unsung Heroes of Freedom Struggle' was unveiled at BHEL's museum Pragati Deergha.



'Azadi Ka Amrit Mahotsav' celebrations, were held at BHEL Bhopal which were presided over by Mr. Arun Goel, Secretary, Heavy Industry, Ministry of Heavy Industries on 12.01.2022. Mr. Goel also inaugurated an exhibition on 'Unsung Heroes of Freedom Struggle'. Presentation was also made on 'Idea Generation Challenge' on Sanrachna Portal, wherein 150

ideas had been received in the areas of Electric vehicles, Green Hydrogen, Innovative IT solutions in power sector, etc.

The messages of the Hon'ble Union Minister of Heavy Industries & the Hon'ble Union Minister of State for Power & Heavy Industries on AKAM were also read out on the occasion.

Dr. Nalin Shinghal, Chairman

Celebrations by BHEL Units

All BHEL units held activities or participated in activities held by major units to celebrate AKAM Iconic Week. Over 20 BHEL units held independent week-long celebrations to mark the occasion. Our units at Ranipet, Haridwar, Hyderabad, Bengaluru, Jagdishpur, Bhopal, Varanasi, Visakhapatnam, Goindwal, Chennai, Thirumayam, Kolkata, Noida, Jhansi, Tiruchirappalli and Nagpur organised many events as did our Corporate Office in New Delhi. Over a hundred events; such as cleanliness & tree plantation drives, webinars & expert talks, exhibitions, poster/ essay/ quiz/rangoli/ elocution contests, cultural activities – skits/fancy dress/dances/singing, yoga sessions & Fit India Run etc. were conducted by various units, regions and offices in which over 17,000 employees participated.

At all the units/regions, the Azadi ka Amrit Mahotsav message of Dr. Mahendra Nath Pandey, Union Minister of Heavy

Industries and Mr. Krishan Pal Gurjar, Minister of State for Heavy Industries, was read out during the inaugural ceremonies and were also displayed at various points across the units. A lot of awareness was created around the event by placing posters, banners and other display material, not only in the

office premises, but also the township premises and surrounding areas of the various units. Many of the events held keeping in mind the 'Jan-Bhagidari' concept and families of BHEL employees, as well as general public from nearby areas were involved in the AKAM Iconic Week celebrations. Several events were held

for school children of the school present in the vicinity of the various units. Although there was a hearty response to the events and activities held at all of BHEL's units/ regions/ divisions, glimpses of the celebrations from Corporate Office and five of BHEL's biggest units are showcased below:

Corporate Office



EDN, ISG & SBD, Bengaluru



HEP, Bhopal



Tiruchirapalli



HEEP & CFFP, Haridwar



HPEP, Hyderabad



Conclusion

PSE's have been the building blocks of the Nation since its inception and have played a big role in the socio-economic growth of the Nation. Our country's evolutionary journey is being celebrated through the Azadi ka Amrit Mahotsav celebration. Fuelled by the

self-reliance i.e. Aatma Nirbhar Bharat initiative, Azadi ka Amrit Mahotsav is an opportunity to showcase the potential of CPSE's in putting India on the road map of the nation's Make-in-India and Self-Reliance journey. BHEL looks forward to continue celebrating Azadi ka Amrit Mahotsav under the aegis

of SCOPE as well in June 2022, participating in the tree plantation drive, the exhibition and conclave.

BHEL is committed to the celebration of Azadi ka Amrit Mahotsav to commemorate 75 years of progressive India and the glorious history of India's people, culture and achievements. ■

Bharat Petroleum celebrates Azadi Ka Amrit Mahotsav



Arun Kumar Singh
CMD, BPCL

As the entire nation celebrates the 'Azadi Ka Amrit Mahotsav' to commemorate 75 years of our independence, we remember the golden moment when the nation freed itself from the tyrannical clutches of the Imperial rule in 1947.

In the post-independence era, the nascent nation crafted policies that were designed to modernize at a brisk pace, to create infrastructure that would generate economic growth for its multitudes of citizens.

The Amrit Mahotsav is dedicated to the people of India who have not only been instrumental in bringing India thus far in its evolutionary journey but also hold within them the power and potential to enable the Hon'ble Prime Minister's vision of activating India 2.0, fueled by the spirit of Aatmanirbhar Bharat. Thus, this Mahotsav is an embodiment of all that is progressive about India's socio-cultural, political and economic identity.

Bharat Petroleum, a "Maharatna" and Global Fortune 500 company, is a diversified energy major engaged in petroleum refining, fuel retailing, natural gas, petro-chemicals, upstream and alternative energy. Rising to the challenge of meeting the fast-growing requirements of an aspiring nation, the Corporation has been playing a pivotal role in energizing the dreams of millions of people and contributing its might to nation-building. Bharat Petroleum has also embarked on an ambitious journey of digital transformation journey that is enabling the organization to elevate trust, convenience and personalization, for serving customers in new and delightful ways.

Amrit Mahotsav: Notable Initiatives by Bharat Petroleum

The global energy landscape is undergoing an

unprecedented shift towards green energy to emission reduction to address global warming, as we accelerate our journey towards sustainability and energy self-reliance. This energy transition of epic proportions is driven by accelerating our green roadmap, boosted by innovation. To rein in the change, Bharat Petroleum is deploying an ambitious multi-pronged strategy to be prepared to meet the future and turn challenges into opportunities.

Presented here are some glimpses of Bharat Petroleum's notable activities as part of the Amrit Mahotsav year.

The 'Net Zero' Goal

As a signatory of the 2015 Paris Climate, India is committed to advancing clean energy as a sustained impetus. In line with this global and national goal, Bharat Petroleum has announced its goal to achieve 'net zero' emissions in Scope 1 and 2 by the year 2040 through successive emission reductions.

Accelerating Renewables

In a far-reaching strategic move, Bharat Petroleum also set up a new Strategic Business Unit 'Renewables' to accelerate renewable energy. The Corporation aims to bolster its renewables portfolio to 1 GW by 2025 and 10 GW by 2040.

Driven by the need to address the concerns about global warming, a set of complimentary solutions for greener and sustainable energy are being leveraged, ranging from low-emission fuels such as natural gas (CNG, LNG and CGD), biofuels such as 1G and 2G Bio-Ethanol and Bio-Diesel, compressed Bio-Gas, as well as EV charging stations and later, hydrogen as well.

Bharat Petroleum is geared for supporting the vision

of the Government of blending 20% Bio-Ethanol to petrol and 5% Bio-Diesel to diesel by 2030, Biofuels are among the promising and viable options that can provide a simultaneous solution to the issues of sustainability, carbon emissions and self-reliance in energy.

Biofuels

Three major events on biofuels were organized by Bharat Petroleum during the year.

On April 16, 2021, Bharat Petroleum, under the aegis of Ministry of Petroleum and Natural Gas, Government of India, organized a Webinar 'Biofuels – A Way Forward', comprising an eminent panel of dignitaries. On the occasion, Mr. Tarun Kapoor, Secretary, Ministry of Petroleum & Natural Gas in his keynote address, emphasized that biofuels can be alternative source of energy to manage carbon imbalance in the environment and they are increasingly becoming indispensable for sustainable development. Biofuels not only have socio-economic benefits but also boost the Aatmanirbhar Bharat mission. Leading industry specialists joined the panel discussion. Also, more than 15,000 people joined the webinar live.



Bharat Petroleum celebrated World Biofuel Day 2021 on August 10, to raise awareness about biomass based renewable sources of energy as sustainable alternatives to conventional fuels. Biofuels can be produced from plants or from agricultural, commercial, domestic and industrial waste, which enables waste utilization as well as green energy generation – two goals in one stroke. On the occasion, Bharat Petroleum put up a stall at the Biofuel Exhibition held at Parade Ground, Police Lines

in Mahoba. The theme of our stall this year was the journey of a farmer from being 'Annadata' to 'Urjadata'.



Also, a 'Biofuel Exhibition' was organized in Pune by Bharat Petroleum on October 18, 2021 as a part of Azadi Ka Amrit Mahotsav celebrations. Ethanol blending, Government initiatives for promoting Biofuels, 2G Ethanol plants being setup by OMCs as well as initiatives taken by OMCs in Compressed Bio-gas and Bio-Diesel were showcased. Also, 'Expert Talks' were organized for engineering students and farmers on "Introduction of Biofuels" and "Role of Indian farmers and agriculture in growth of Biofuels in India" followed by interaction and knowledge sharing sessions and a quiz for students. Other OMCs and leading technology providers also set up their stalls at the exhibition.



Model Fuel Stations

As part of the Amrit Mahotsav celebrations, Bharat Petroleum launches its first 'Model Fuel Station' (Model Retail Outlets) in Kheda, Gujarat on July 2,

2021, followed by two more Model ROs at Rewari in Haryana on July 30, 2021 and at Kashene in Raigad district of Maharashtra on August 27, 2021.



Model ROs have a range of facilities, including alternative auto fuel CNG, digital and NFC card payments, free air, nitrogen, PUC check service, oil change facility, FINO e-banking facility, clean toilets and laundry, dormitory for drivers, canteen, In & Out Store, as well as various interlocks at RO for various automated operations etc. in addition to the regular MS (petrol) and HSD (diesel).

While our esteemed customers can enjoy these enhanced services conveniently, we remain committed to transparency, an assurance of quality & quantity (Q&Q) through our initiatives such as

Pure for Sure. Furthermore, complete transparency is also assured for Daily Price Revision, as the entire process is fully automated, without any manual intervention.

LPG Sangosthi

As a part of Azadi Ka Amrit Mahotsav celebrations, Bharat Petroleum organized an "LPG Sangosthi" in Pune on October 27, 2021, while another LPG Sangosthi was held in Bengaluru on December 15, 2021. Hundreds of customers as well as distributors, including ND distributors, participated in the events, while many more customers joined the event virtually through a live telecast. A variety of activities were organized in these events, including LPG safety clinic and on-the-spot quiz and prize distribution for customers. They were also informed about the various modes of booking, digital payment, refill portability, LPG conservation tips, and across-the-counter connection. Also, five customers of more than 75 years of age were felicitated at each of these events.



Study Tour for College Students to Refineries

To familiarize students with the technological achievements of a resurgent India and to boost their

knowledge acquisition, Bharat Petroleum organized 'Study Tours' for hundreds of college and engineering students to its Mumbai and Kochi refineries in October 2021 as part of 'Azadi Ka Amrit Mahotsav', under the aegis of the Ministry of Petroleum & Natural Gas, Govt. of India.

Out of the three programs under this initiatives, consisting of multiple student tours, Mumbai Refinery conducted two study tour programs – one for college students and another for engineering students, while Kochi Refinery conducted a set of tours for college students. At each refinery location, the students were given a detailed presentation on the crude oil refining process and environmental aspects. They were also familiarized with the history of oil refining as well as recent significant developments in the petroleum industry, including the impetus for energy efficiency and sustainable development. Information was also shared on recent development in the energy industry, such as electric vehicles and fuel-cell technologies. The students were also taken on a guided tour of the refinery units, including the Main Control Room, where refinery operations are controlled and monitored. Another highlight of these programs was the "Meet the Leader" session conducted for budding engineers.



Celebration of 'Azadi Ka Amrit Mahotsav' at BPCL

Celebrating proudly the "Azadi Ka Amrit Mahotsav", Bharat Petroleum organized special events to celebrate the tradition as well as modernity of India, along with the achievements of the nation.

As part of the Amrit Mahotsav celebrations, Ahmedabad LPG territory organized an event on October 25, 2021, which was attended by more than 275 beneficiaries of the Government of India's Ujjwala scheme (Pradhan Mantri Ujjwala Yojana). At the event, Ujjwala beneficiaries

were invited on stage to share their experience of this path-breaking scheme and how it has changed their lives. Ten Ujjwala beneficiaries spoke of the benefits of the scheme and vowed to tell others who are still using firewood for cooking. Reiterating our mantra of "Safety First, Safety Must", a safety clinic was organized, in which information was shared on safe usage of LPG. The 45-minute session covered the Dos and Don'ts of LPG installation and the emergency measures to be taken in case of leakage of LPG.



Subsequently, on December 5, 2021, another event celebrating Azadi Ka Amrit Mahotsav was organized by Bharat Petroleum at "Jilla Panchayat Bhavan, Bhopal. More than 200 people from Bhopal attended the program physically and more than 500 people attended it virtually. During the program, information was shared on "Azadi Ka Amrit Mahotsav" and how PMUY scheme has changed life of economically underprivileged families. The audience was also briefed on Ujjwala 2.0 scheme

and its modalities. A safety clinic was also organized, wherein the audience was explained about LPG safety, including Dos and Don'ts of LPG installation, the importance of Suraksha hose, general precautions, as well as emergency measures in case of a leakage. At the event, five women beneficiaries shared their experience of the clean LPG cooking gas has transformed their lives by making kitchens free from toxic fumes and smoke and has eliminated the drudgery of foraging firewood, thus saving precious time, which they can now use to spend educating their children or pursuing economic activities of their choice.



Way Forward

Bharat Petroleum has been on the forefront of technology and innovation to adapt to the changing times and develop new solutions to delight the customers. In the times ahead, there will be new challenges requiring novel solutions, for which we are constantly evolving as we walk to the path of sustainability and greater prosperity. ■

Azadi Ka Amrit Mahotsav celebrations of GAIL (India) Limited



M. V. Iyer
Director (Business
Development) & Director
(Marketing), GAIL

GAIL (India) Limited (“GAIL”), a Maharatna Company, was incorporated in 1984 as a Central Public Sector Undertaking under Ministry of Petroleum & Natural Gas, Govt. of India. GAIL is the largest integrated Natural Gas Marketing & Transmission Company in India having its presence along entire natural gas value chain. GAIL currently owns and operates ~13,800 Kms (74%) length of pan-India natural gas pipeline network in 28 states and UTs. In addition, GAIL owns and operates ~2,000 Kms length of LPG pipeline. GAIL is among the top 10 LNG portfolio player in the world with a portfolio size of over 14 MTPA with geographic supply diversity besides varied price indices. GAIL owns and operates a gas based petrochemical complex at Pata in Uttar Pradesh with a capacity to produce 810,000 tonnes per annum. GAIL through its subsidiary, Brahmaputra Cracker and Polymer Limited, owns and operates a petrochemical complex with polymer capacity of 280,000 tonnes per annum. GAIL is also a co-promoter in ONGC Petro-additions Limited (OPaL) which operates petrochemical complex of 1.4 million tonnes per annum polymer capacity at Dahej in Gujarat. Further, GAIL is currently constructing two petrochemical projects – One 500 KTA PDHPP plant in Usar (MH) and another 60 KTA PP plant in Pata (UP). Apart from these, GAIL has 5 gas processing plants with the capacity to produce 1.4 MTPA of LPG and value-added LHC products.

GAIL has implemented CGD projects in major Indian cities including New Delhi, Mumbai, Kolkata, Bangalore, Hyderabad, Pune, Lucknow, Indore, Bhopal etc. to supply gas to domestic and transport sector. These CGD networks together cater to around 65% of over 85 lakh domestic PNG connections in the country. Further, GAIL operates

55% of India’s CNG stations through JVs and subsidiary. GAIL has a total installed capacity of ~130 MW of renewable energy. In addition, GAIL is exploring various business opportunities in the Production and Marketing of Compressed Bio Gas (CBG) from organic waste. Emerging areas including ethanol, hydrogen, etc. are also being explored for new business opportunities.

Brief of events on Azadi Ka Amrit Mahotsav celebrations of GAIL (India) Limited

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its people, culture and achievements. As part of the Azadi Ka Amrit Mahotsav celebrations, GAIL (India) Limited has organized, participated and planned events as per the guidelines of MoPNG, to mark the 75th anniversary of India’s independence under the aegis of Ministry of Petroleum and Natural Gas, along with other Oil Marketing Companies.

GAIL started the celebration to mark the occasion by organizing webinar on role of energy conservation



& alternate energy sources towards India's growth strategy, which covered the major points associated with the ideas and prospective future scenarios in the energy sector of the country. The webinar started with presentation and discussion on gas-based economy and one nation one grid, as per the current vision of the country. It was followed by the second session on alternative sustainable energy sources with main emphasis on Electrolytic Hydrogen. The third session focused on various scenarios of the sustainable energy sources in country followed by the role, importance, challenges and opportunities on the electric vehicles in the country. The webinar concluded with role of forests in the energy security of Odisha and country as a whole for usage of non-timber forest produce in making bricks. It shall lead to increase in forest cover and will be a step toward making India a carbon neutral country. The session covered every facet of the energy requirement for the country and their probable sources with detailed analysis and breakdown. Eminent researchers, scholars and senior experts presented on these topics making it a huge success.



Taking the events and caravan forward, GAIL in coordination with other oil PSUs has organized and participated in Exhibition of the Biofuels in 6 different states of the country namely Madhya Pradesh, Delhi, Rajasthan, Telangana, Uttar Pradesh and West Bengal. These exhibitions highlighted various initiatives of GAIL and Oil PSUs in line with the National Bio-fuel policy for Compressed Bio Gas as one of the emerging energy source for the country. These exhibitions mark the strategic importance of Compressed Bio Gas in India and how India with its raw materials readily available from agriculture and agro-based industries could pave way for being self-reliant and *aatmanirbhar* in green and less polluting fuels. Various aspects of Biofuels



like Compressed Bio Gas (CBG), 1G Ethanol and 2G Ethanol were displayed through 3D live models and were explained in detail to the participants along with supportive government policies. General public, students, academicians, and other stakeholders visited the exhibitions and everyone showed keen interest.



GAIL has also organized 09 awareness programs on City Gas Distribution (CGD) and Compressed Natural Gas (CNG) through hybrid modes (physical and online) focusing on the importance of the CGD and CNG for creating a sustainable environment with the adoption of less polluting and clean fuel. GAIL having vast experience of the operation of CGD and CNG in the country also presented its journey in these sectors along with emerging opportunities and challenges. The role of safety aspects taking into account perspectives of the customers in the natural gas usage and its mitigation was widely popularized through these programs. Other multiple programs conducted across the country and many more planned in future highlights the demands scenarios of the CGD sector in the country along with busting the common myths and fears in the usage of CNG and CGD. Session on Virtual Gas Transmission Solutions for improving gas distribution network, usage of the IT-OT solutions to



strengthen the CGD and Hydrogen Blending in Natural Gas highlighted how technology and innovation adoption has made the business in CNG and CGD smarter, efficient, effective and resilient.



Our country imports around 50% of the natural gas required for our domestic demand however, Compressed Biogas (CBG) that is part of the SATAT scheme of Government of India could prove a deciding factor in making country self-reliant in energy requirements. To display the progress made by the GAIL and oil sector PSUs in this regard were showcased through a rally of vehicles, which were running on Compressed Biogas (CBG) at Hyderabad. Many auto rickshaw drivers participated in this initiative and awareness session were conducted about bio-fuels usage and its potential to make our country Aatmanirbhar. Once implemented to its full potential, waste sources like agricultural residue, cattle dung, sugarcane press mud, municipal solid waste, sewage treatment plant waste, etc. treated now as waste would be converted to energy and manure thus creating wealth in a sustainable way.

GAIL employees have been a source of strength for the GAIL since its inception and have led from front in providing services to every citizen of the country through various gas value chain products. In the celebration of Azadi Ka Amrit Mahtosav, GAIL



employees and their family members participated with full enthusiasm on the Self-created Patriotic song, writing competition, Lori writing and Rangoli competition. These songs reflected the valour of our soldiers, efforts of our farmers and contribution by our citizens for the development of the country. The Rangoli showed the colourful country we are and the unity in diversity we have, along with the length and breadth of the country.



Way Forward

Taking these celebrations on 'Azadi Ka Amrit Mahtosav' forward, GAIL has planned wide range of activities under the aegis of MoPNG. As said forests are the lungs of the earth and to support these lungs GAIL will be doing, extensive plantation drives around its areas of operation throughout the country to mitigate the risks of climate change. In our major areas of operation in Natural Gas Value chain, GAIL will continue to reach more and more places in the country to create awareness about the benefits of the natural gas and building on towards increasing the percentage of natural gas in country's energy basket, as per the vision of our Hon'ble Prime Minister. Let us join hands by displaying the achievements made by our country, our people and our company in building a Shrestha Bharat. ■

HPCL celebrates Azadi Ka Amrit Mahotsav



The year 2022 bears a huge significance in the lives of Indians. It is the year when India completes 75 Years of its Independence. A year, which resonates with the sacrifices, big and small of millions of Indians who gave us the air to breathe free. A year to celebrate the success and growth of India as a free sovereign republic.

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of progressive Independent India. Through Azadi Ka Amrit Mahotsav India is celebrating the glorious history of its people, culture and achievements. It is an embodiment of all that is progressive about India's socio-cultural, political and economic identity.

The official journey of "Azadi Ka Amrit Mahotsav" was started on 12th March 2021 from Sabarmati Ashram when Prime Minister, Shri Narendra Modi flagged off a 75-week long festival to commemorate 75 years of India's Independence. This started a 75-week countdown to our 75th anniversary of Independence Day

and this will end post a year on 15th August 2023.

The various themes of Azadi Ka Amrit Mahotsav are Freedom struggle, commemorating milestones in History, unsung heroes of the freedom fight; Ideas@75, celebrating ideas and ideas that shaped India; Resolve@75, reinforcing commitments to specific goals; Actions@75, highlighting steps being taken to implement policies and actualise commitments; Achievements@75, Showcasing evolution and progress across different sectors.

HPCL, a Maharatna Company, which is fueling the nation for more than a century and Delivering Happiness to the citizens of our great Country through its bouquet of energy solutions have taken up many events and functions to celebrate Azadi Ka Amrit Mahotsav on a grand scale.

Green fuel Initiatives: Under the theme Actions@75 and Achievements@75

To make the country truly Aatmanirbhar, the need of the

hour is to reduce import dependency. Also with rising global concern it is pertinent that we all look for sustainable green fuel solutions that can make India Carbon neutral. In order to spread the awareness amongst the citizens of the Country on the various initiatives of Oil and Gas sector of India towards green fuel i.e non-fossil fuels, many events and exhibitions were carried out.

Green Refining

As an Inaugural event for celebrating Azadi Ka Amrit Mahotsav, HPCL along with Indian Institute of Petroleum & Energy (IIPPE), Visakhapatnam Organised a Panel Discussion on emerging technologies in the field of Green Refining.

The event was a hybrid event, which was conducted physically with audience from Academic Institutes, Industry, Start-ups, MSMEs etc attending the event physically, and it was also broadcasted online. Students and Officers from HPC, BPC, IOC, GAIL, ONGC, OIL etc. attended the Online event.



Webinar on
Green Refining



Biofuel Exhibitions

India is one of the fastest growing economies and the third largest consumer of primary energy in the world after the US and China. India's fuel energy security will remain vulnerable until alternative fuels are developed based on renewable feedstocks. The Government of India targets reducing the country's carbon footprint by 30-35% by the year 2030. These targets will be achieved through a five-pronged strategy which includes:

Increasing domestic production, adopting biofuels and renewables, implementing energy efficiency norms, improving refinery processes and achieving demand substitution. This

strategy envisages a strategic role for biofuels in the Indian energy basket. The Government of India has proposed a target of 20% blending of ethanol in petrol and 5% blending of bio-diesel in diesel by 2030 and introduced multiple initiatives to increase indigenous production of biofuels.

In order to showcase, educate and present the opportunity to students, entrepreneurs and allied business community multiple Biofuel exhibitions at multiple cities were planned to propagate production and usage of Biofuels. Uptill March 2022, HPCL has organized Biofuel Exhibitions for Oil and Gas Sector at Mahoba – UP, Delhi, Chandigarh, Hyderabad and Pune. Many more are planned

till August 2023. HPCL has also participated in many other Biofuel Exhibitions organised by OMCs at various cities across the Country. The exhibition included panels, highlighting the technological advancement made in the areas of Bio-Energy along with new projects being undertaken under the aegis of Ministry of Petroleum and Natural Gas (MoPNG) in the field of Biofuels, 3 D live models of 1G Ethanol plant and TPD Fully Automatic Biodiesel plant were displayed in the Biofuels Exhibition. Apart from 3-D models, pavilion of various startups displaying Home Biogas dealing with individual household consumer CBG plant and other bio-fuel technologies were also put up in the Exhibition.



Hon'ble CM of U.P. visiting HPCL Stall.



Hon'ble CM of U.P. Inaugurating Rake Loading of Ethanol.



Explanation of Models kept at the stall.



Explanation of Models during the Exhibition.



Audience.

Investor Meets on SATAT

SATAT, the initiative is aimed at providing a Sustainable Alternative Towards Affordable Transportation as a developmental effort that would benefit both vehicle-users as well as farmers and entrepreneurs. This initiative holds great promise for efficient municipal solid waste management and in tackling the problem of polluted urban air due to farm stubble-burning and carbon emissions. Use of CBG will also help bring down dependency on crude oil imports and will enhance farmers' income, rural employment and entrepreneurship.

HPCL organized Investor Meets for various Stakeholders including Retail and LPG distributors, Transporters, All other Service Providers etc on SATAT under Azadi Ka Amrit Mahotsav, for inviting investment in CBG projects under SATAT scheme of Govt. of India.

HPCL officials explained all the details regarding CBG, its potential, its benefits to society and country, SATAT, various initiatives and enablers, which have already been taken by MoPNG, other concerned ministries, industry and Financial Institutions (including Banks). Information

was shared regarding more initiatives and enablers being considered by above stakeholders for propagation of CBG sector. CBG plants are especially needed in Uttar Pradesh to stop/ reduce Agriculture residue burning and consequent pollution in and around above states severely affecting public health.

Number of queries were raised by various investors regarding basics of CBG, enablers, Govt. policies, technologies, Costing and other financials of CBG plants etc. which were suitably replied to by HPCL officials. HPCL exhorted and urged them to participate in SATAT scheme and apply EOI to set up more and more CBG plants across country for overall benefits for society and country, in addition to commercial benefits.

Inauguration of Model Retail Outlets

As part of the Azadi Ka Amrit Mahotsav celebrations, OMCs including HPCL has launched many Model Retail Outlets across the Country to facilitate customers with State-of-the art services.



Inauguration of Model Retail Outlet at Raisen District, MP.



Inauguration of Model Retail Outlet at Vijayawada.

Study Visits of Students at Oil & Gas Installations

Inside the classroom, a student gets to know about new things, new ideas, and new concepts, while outside the classroom, a student explores and experiences. There are various benefits of educational tours. As the teacher and philosopher, Confucius famously quoted, "I hear and I forget. I see and I remember. I do and I understand." The idea of educational tours is built around the practice of experiential learning. Practical implementation of concepts is the most effective tool for learning. While classroom learning may give them an opportunity to apply their learning on hypothetical situations, an educational tour, on the other hand, makes students face real-life problems. Coming up with solutions makes them innovative thinkers. When learning is accompanied by fun, excitement, and enjoyment, it stops being burdensome and boring, and students learn as a part of their natural growing up process.



Study visit to Mumbai Refinery.

To facilitate learnings of student in 9th standard onwards where they begin learning complex science subjects, Study tours to Oil and Gas Installations were taken up. HPCL also lead the way in organizing educational tours and invited close to a thousand students in various Oil and Gas Installations across the country.

Till date, HPCL has organized study tours at Mumbai Refinery, Visakh Refinery, Suryapet Terminal, Rajahmundry Terminal, Vijayawada Terminal and Delhi Terminal.



Students at the Control Room of Mumbai Refinery.

During the Study tours, the students were given detailed presentations on the various facilities and technologies used in the

installations. Then they were taken to various facilities in the Refineries to showcase the various cutting edge technologies

employed by HPCL. Drawing competitions were also arranged during some of the visits.

Presentation of various facilities.



LPG Safety Seminars

Ujjwala Awareness and LPG Safety seminars are also being conducted as part of the celebrations. In these seminars villagers are invited to attend a seminar and know-how session where officials from HPCL explained the ways to take PMUY connections under Ujjwala 2 and also explained safe usage of LPG. ■



NTPC observes Azadi Ka Amrit Mahotsav with year-long celebrations

The government of India is celebrating Azadi Ka Amrit Mahotsav to commemorate 75 years of Indian independence and highlighting its people, society, culture and achievements. The aim is to bring forth India's progression story and evolving of a new energized India 2.0. NTPC which has always been instrumental in making India rank high in the global landscape has been taking forward Prime Minister Narendra Modi's vision of India 2.0 as part of Ministry of Power charged by the spirit of Aatmanirbhar Bharat. By leveraging its size and pedigree, NTPC has strategized and implemented its goals by initiating multiple programs and organised a variety of events to celebrate Azadi ka Amrit Mahotsav across its location Pan India.

NTPC has been expanding its renewable portfolio and has set a target of achieving 60GW of renewable energy capacity by 2032. In recent times, NTPC shall soon commission the largest Floating Solar PV Project in Ramagundam.

This is the first solar project to be set up under the Flexibilisation Scheme. Spread over 75 acres in an RW reservoir, this floating solar project has the potential to generate electricity from more than 1 lakh solar PV modules. This would not only help to light around 7,000 households but also ensure that at least 46,000 tonnes of CO₂ are kept at arm's length every year during the lifespan of this project. The project is also expected to save 1,364 million litres of water per annum. This would be adequate to meet the yearly water requirements of 6,700 households.

NTPC was part of national-level painting competition celebrating the iconic week of Energy Conservation as part of 'Azadi ka Amrit Mahotsav' on behalf of Ministry of Power (MoP) and Bureau of Energy Efficiency (BEE). The painting competition witnessed an eminent panel of jury judging the winners at NTPC PMI, Noida. School children from 37 States and Union Territories participated from 1st December

to 10th December painting competitions to spread the message of energy conservation. The competition was organized under the aegis of the Bureau of Energy Efficiency.

To celebrate the 125th Birth Anniversary of Netaji Subhash Chandra Bose and imbibe the vision and essence of patriotism from Netaji's life, NTPC stations started its week-long celebrations for Netaji's birthday which were marked by various online competitions like essays, drawing, painting, quiz etc. among employees considering COVID restrictions. Netaji's best statue was inaugurated at several NTPC station was mark of respect to the great leader.

NTPC Dadri organized various online competitions under the theme "Contribution of Netaji Subhash in the freedom movement". During the week, NTPC Dadri Administrative Building was named as Netaji Subhash Chandra Bose. Further, NTPC Coal Mining Head Quarter organized an online Quiz on Netaji



and freedom movement for all children of Coal Mining Projects. The online quiz on Netaji and the freedom movement received an overwhelming response from all children of PakriBarwadih CMP, Kerendari and Chattibariatu CMP, Dulanga CMP, Keredari CMP and CMHQ.

In order to raise awareness about the beauty, culture, and diversity of the North Eastern states in India, NTPC Bongaigaon organised a two-day colorful North East festival in December 2021. The festival which depicted the rich heritage of the land of seven sisters was one of the key initiatives of NTPC under Azadi ka Amrit Mahotsav.

Mr. Pramod Boro applauded NTPC for organising a programme which depicted North East's colourful traditions and portrayed the plurality of Indian culture. The festival exuded the essence of true colors of north-east India and the contribution of freedom fighters from the region.

A Bodo Kavi Sammelan from four districts of Bodoland Territorial Region (BTR) i.e Chirang, Baabsksa, Udalguri and Kokrajhar was also organised to celebrate the occasion. NTPC was commended for inviting 11 poets under one roof, who shared their rich imagination and spoke about the culture of North East.

Besides promoting the varied cultures, NTPC has also been empowering farmers and

acquainting them with new irrigation techniques and imparting knowledge on crop diversification, formation of new farmer groups and introducing to labor-saving hand tools to give them a respite from labor-intensive & time-consuming drudgery work. NTPC Mouda conducted a 7-day training programme from 17th-23rd September 2021 on Modern Farm Techniques under Azadi Ka Amrit Mahotsav.

NTPC has always considered accesses to hygiene and clean drinking water to be a human right. It has been providing safe and clean drinking water to the local communities across its plant locations and is working towards providing hygienic environment.

The company has also been empowering women through Self Help Groups (SHGs) to provide economic independence to the women of its communities. NTPC has been providing health care support to the community through Mobiles Medical Units (MMU) & Maternal & Child Health (MCH) services which cater to the need of expectant & new mothers and new born babies & infants at Khargone.

NTPC has always supported the government towards Nation-building. And as we all know, the armed forces play a significant role in not only nation-building but also in preserving the security and integrity of a nation. Taking this into consideration, NTPC

Singrauli started preparatory training programmes for competitive exams for the selection of the Armed Forces. 200 + youth of nearby areas participated in these programmes last year. Under the program 50 Youth (35 Boys & 15 Girls) from nearby areas underwent 3-month training to prepare for the selection process of Armed Forces, Paramilitary & Police forces of different states. The training (coaching classes for competitive exams) was provided by The Centre for Entrepreneurship Development Madhya Pradesh (CEDMAP).

For NTPC, the National Unity Day is one of the integral celebrations under Azadi Ka Amrit Mahotsav. Bearing this in mind, the company conducted week-long activities as part of National Unity Day Celebrations by participating in the Corporate Unity March at IICA, Manesar, Organizing National Unity March at all stations/ projects, administering National Unity Pledge at all Stations/ Projects/ Offices, and by conducting essay and slogan writing competitions on the theme of unity across NTPC stations.

Additionally, NTPC will inaugurate a Community Center at a Ramagundam village, install E-learning equipment in 14 Government Schools in Khargone, work towards augmentation of Smart Classes in Government schools and nearby



plants, at Singrauli, improve the quality of education for children studying in government schools by providing 7 smart classes to 4 Government Schools, at Korba.

NTPC commemorated the 40 years of Commissioning of First Unit (200 MW) of NTPC Singrauli, Uttar Pradesh by organizing a week-long event to mark the milestone at Singrauli and Darlipali. Both Singrauli and Darlipali simultaneously witnessed week-long cultural events. Including dance and drama with participation from local population and students. The finale, lead up to a docudrama showcasing glorious journey of NTPC at Darlipali. NTPC will also participate in exhibitions catering to the theme of a PSU's role in nation-building in the context of energy conservation in the power sector. Plus, the power major will engage in a conclave and a round-table with CEOs of PSUs and strategize a future roadmap for the power sector planned.

During the energy conservation week, NTPC planted trees at various stations and projects. NTPC believes that children need to be sensitized about Energy Conservation and therefore the power major plans to distribute LED bulbs to school children, at Koldam, and organize a visit to



the power station for all school children studying in 9th to 12th class so that they have a keen understanding about hydro-power generation and related development in line with Nation-building.

NTPC is supporting the government's mission of developing smart cities across the country by making them more sustainable by converting two NTPC Townships (one each at Solapur & Khargone) into a mini-smart city, implementing essential features of a mini-Smart City (Smart Township) like smart metering, rainwater harvesting, sanitization including solid waste management, energy-efficient street lighting, adequate water supply, assured electric supply & robust IT connectivity.

NTPC's commitment to the protection of the environment

and maintaining the ecological balance. The company has planted over 36 million trees in and around its projects. NTPC has created extensive green cover along with water reservoirs and lakes to attract a wide variety of flora and fauna including birds.

To improve health infrastructure, NTPC is planning to set up a special burn unit at AIIMS Bhubaneswar and provide support for construction and purchasing equipment and for the Burn Unit. Further, NTPC is also purchasing ambulances for its Solapur unit. NTPC has also chalked out a plan for setting up a special burn unit at KGMU, Lucknow, supporting the National Cancer Institute Nagpur for the Construction of the 3rd floor, providing equipment and Mobile Cancer Diagnostic Labs.

Throughout the year NTPC has been celebrating 'Azadi ka Amrit Mahotsav' through various initiatives and programmes that celebrate India's rich culture and history and also commemorate 75 years of independence and the glorious history of its people, culture and achievements. NTPC is committed to bring forth the cultural diversity of India and celebrate its uniqueness through a plethora of programmes in future as well. ■



Azadi ka Amrit Mahotsav: ONGC takes up bouquet of initiatives to celebrate India's 75 years of Independence



Dr. Alka Mittal
CMD & Director (HR), ONGC

In line with the government's commemoration of 75 years of Indian Independence – Azadi ka Amrit Mahotsav, ONGC is leading oil PSUs, to launch various projects to boost the country's indigenous handicraft sector. Center public enterprises under the Ministry of Petroleum & Natural Gas will be launching 75 different handicraft projects across the country till 15 August 2022. Among which, ONGC has taken the lead and is supporting 15 projects. ONGC has already launched five handicraft projects in Madhya Pradesh, Assam, Odisha, Jharkhand, Uttarakhand and Karnataka.

Petroleum Secretary, Mr. Tarun Kapoor inaugurated the initiative by Oil PSUs to support various Art and Crafts in the country and launched Bamboo Craft project of Madhya Pradesh supported by ONGC, in a webinar organized by National Oil Company, Oil and Natural Gas Corporation (ONGC) on 11 June 2021.

ONGC launched its second handicraft project for the promotion of the country's indigenous art works. Through a virtual meet on 9 July 2021, Director (HR), Dr. Alka Mittal (on behalf of the then CMD Subhash Kumar) launched

the unique project, which eyes to train for livelihood and boost entrepreneurship development of the Bhotiya tribe in Chamoli district of Uttarakhand.

Minister of State (MoS), Ministry of Petroleum & Natural Gas and Labour & Employment, Mr. Rameswar Teli launched ONGC-supported Assam Handloom project 'Ujjwal Abahan' on 6 August 2021 through virtual platform. The project will support and train over a hundred artisans of Bhatipar of Sivasagar in Hathkharga handicraft.

CMD, Mr. Subhash Kumar virtually inaugurated ONGC's 4th handicraft project on 3 September 2021, to establish 'Lac Handicrafts Unit for Training and Development'. The project, which is a part of the observance of India's 75 years of Independence – Azadi Ka Amrit Mahotsav, is expected to train and encourage artisans, mostly women, of the villages from in and around Khunti of Jharkhand. The virtual launch of the 4th handicraft project was joined by Director (HR) Dr. Alka Mittal, Director (Onshore) Mr. Anurag Sharma, ED Chief CSR, Mr. Somesh Ranjan and other key executives from across all work

centers of ONGC. CEO ONGC Foundation, Mr. Kiran DM joined the launch from the site at Khunti, along with the artisans and members of Collectives of Integrated Livelihood Initiatives (CInI) – who has been the partner of ONGC in the LAC handicrafts project.

ONGC launched its 5th handicraft project, Dhokra Art, on 23 October 2021. This ONGC CSR project will improve the livelihood and capacity development for the tribals of Dhenkanal of Odisha. Launching it virtually, ONGC CMD, Mr. Subhash Kumar noted that India has always been on forefront in art and cultural heritage. "In line with that, ONGC is happy to promote the rural handicraft art forms and the artisans in and around its operational areas," he said.

Minister of Primary & Secondary Education and Sakala of Karnataka, Mr. B. C. Nagesh launched Oil & Natural Gas Corporation Limited (ONGC)'s sixth CSR project to promote arts and handicrafts in India. The project was launched in Bangalore on 1 December 2021. The ONGC-supported project aims to create inclusive setups by providing artisanship training in

block printing and employment for people with special needs and disabilities. The initiative is being carried out in association with Karnataka-based NGO Chiranthana.

ONGC is also organizing study visits of 25 groups, comprising of around 100 students in each group, during September 2021 to January 2022, under 'Azadi Ka Amrit Mahotsav' (AKAM). Till now, ONGC has organized study tours for over 1000 students at various locations of ONGC like Ankleshwar, Assam, Tripura, Rajahmundry, Ahmedabad, Cambay, Cauvery, Mehsana, etc.

At Mehsana Asset of ONGC in north Gujarat, 96 students of Government Engineering College of Patan were taken to the Sobhasan Central Tank Farm (CTF) in four batches for an exposure to the operations of an oilfield. Senior technical ONGC executives at Mehsana interacted with the students and explained the intricacies of operations during the two-day visit during 13-14 September 2021.

ONGC Cambay Asset organized field visits to Lunej Museum and Akholjuni for students of Class VIII, IX and X in three batches, each comprising of 30 students, during 13-15 September. Ankleshwar Asset arranged study visit for the students of Kendriya Vidyalaya of Ankleshwar, to give them glimpses of ONGC operations at Well sites, CTF, and work-over rigs.

Study visit of another 100 students was organized by Cauvery Asset for a fortnight during 1-15 September. Keeping in view the prevailing COVID-19 situation, the whole batch of 100 students was divided into small groups of

10 students each. Students from Puducherry Engineering College participated in the trip and each batch was accompanied by faculty from the college. Students were taken to the Kuthalam and Narimanam Surface Installations of the ONGC Asset.

ONGC organized a study trip for students of Godavari Institute of Engineering & Technology (GIET) of Rajahmundry to its Mini Refinery at Tatipaka and Gas Collecting Station at Kesanapalli. The trips were organized during 5 to 9 October 2021, in five groups of around 25 students each. The trips are aimed at providing the students with an insight of various oil-field operations of ONGC, to inculcate a passion among the budding engineers for nation building efforts.

ONGC organized field visits for students at four of its work locations. Ankleshwar Asset of Gujarat conducted the study visits to installations and rig for students from Kendriya Vidyalaya during 5-6 October. Students were divided into four batches, two batches visiting Ankleshwar's Central Tank Farm and work-over rig, each day. Students were briefed about the technicalities of oil production from fields.

ONGC continued to organize study tours for students of Kendriya Vidyalaya, Chandkheda to its oil-field installations to inculcate passion among the future generations for nation-building. ONGC recently organized study trips of students to Oil drilling Rig deployed at Dhamasana village of Ahmedabad. As many as 105 students of class IX, X and XI, in three groups of 35 students each, visited the rig from 8 to 10

November 2021. Students were briefed about the various drilling operations to produce oil and gas from the earth. The operation of new hydraulic rig was also explained by the engineers of Drilling Services Team present at the drill site.

Tripura Asset organized a seminar on Exploration & Production and cyclothon to usher a greener tomorrow during 3-4 December 2021. Tripura Asset at Agartala organized the E&P seminar on "Role of Hydrocarbon Industry in the Future Economy of Tripura", which was chaired by Secretary of Industry & Commerce, Tripura, Mr. P. K. Goyal and ED-Asset Manager, Mr. Tarun Malik. The seminar, organized on 4 December, focused on the key areas of the role of Hydrocarbon Industry in the Future Economy of Tripura State and the seminar aimed to increase collaboration among the various business partners in the E&P business in Tripura.

From 7-8 December 2021, 30 students of ONGC Gujarati Primary School were taken to Akhol Juni EPS, Lunej # 1 Drill Site of Cambay – the first successful oil well of ONGC and Lunej Musuem. In the past three months, a total of 250 students of various schools had completed their visit to the field of AkholJuni i.e. EPS and Lunej Museum to know more about ONGC and its contribution in the Nation Building. Cambay Asset Manager stressed that the visit of school children to the Oil and Gas installations will be helpful for them in gaining practical experience which will motivate them to pursue a career in the industry. ■

PFC celebrates Azadi ka Amrit Mahotsav



Ravinder Singh Dhillon
CMD, Power Finance
Corporation Ltd.

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its people, culture and achievements. This Mahotsav is dedicated to the people of India who have not only been instrumental in bringing India so far in its evolutionary journey but also hold within them the power and potential to enable Hon'ble Prime Minister Modi's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat.

Jammu and Kashmir

A 33/11Kv 10 mva Substation commissioned under IPDS scheme of the Government of India was inaugurated in Nusso, Bandipora. PFC is the nodal agency for IPDS scheme. The inauguration ceremony was a part of 'Azadi ka Amrit Mahotsav' celebrations marking 75 years of India's Independence. The project was inaugurated by Mr. Rohit Kansal, Principal Secretary (Power), Jammu and Kashmir, Dr. Basharat Qayoom, MD-KPDCL, Dr. Owais Ahmed, DC - Bandipora along with Mr. R. S. Dhillon, CMD, PFC and Mr. P. K. Singh, Director (Commercial) & Projects (Additional Charge) - PFC, who joined the ceremony through a virtual platform. The inauguration ceremony was also attended by senior dignitaries from PFC & RECPDCL (the implementation agency). The substation which was sanctioned with a cost of Rs. 3.85 crore will benefit more than 2400 households in areas of Nishat Bandipra, Baghi Bandipra, Nusso, Lankreshara, Papchan and the surrounding areas. Additionally, the substation will reduce the curtailment of power supply in the region.



Himachal Pradesh

As part of the 'Azadi ka Amrit Mahotsav', a 50 kWp Solar roof top was inaugurated in Solan, Himachal Pradesh under the IPDS scheme of Government of India. The 50 kWp Solar roof top project was commissioned by Himachal Pradesh State Electricity Board Ltd (HPSEBL).

The project was inaugurated by Mr. Sukh Ram Chaudhary, Hon'ble MPP & Power Minister, Himachal Pradesh and Mr. P. K. Singh,



Director- Commercial & Projects (Additional Charge), PFC Ltd. who was present through a virtual platform. The inauguration ceremony was also attended by senior dignitaries from HPSEBL and PFC. The project further reinforces the 'Go Green' Initiative of the government envisaged in Urban Distribution scheme of GoI.

Visakhapatnam

As part of 'Azadi ka Amrit Mahotsav' celebrations marking 75 years of India's Independence, a RTDAS commissioned under 'IPDS' was inaugurated on 29th October 2021 in Visakhapatnam. Known for its automated monitoring of power supply, the RTDAS Control system was sanctioned at a cost of Rs. 4.80 crores. The Control system would benefit more than 36 towns in the surrounding areas.



On 13th August 2021, PFC organised a Valedictory Session under its 'Skill Development Training Program' for students of Indo-German Institute of Advanced Technology (IGIAT). The Valedictory Session saw distribution of Certificates to the trained students. The Valedictory ceremony was attended by Mr. Prabhakar Das CGM, PFC, Mr. Ramlingeshwar Raju, GM, DIC & Special Officer, IGIAT (Department of Industries and commerce, Govt. of AP) and Mr. B. Vinod Kumar, Director IGIAT along with other PFC & IGIAT officials. The Valedictory Programme started with a tree plantation drive at the college campus and it was followed by cultural skit. A total of 500 students have been successfully trained while close to 400 students have already got job placement with reputed organisations like Ashok Leyland, Royal Enfield, Alstom, and Schneider Electricals Pvt. Ltd. among others. Students have been trained as CNC Machine Operators, Domestic and Industrial

Electricians, Solar Technicians, and in Welding technologies. There has also been training in areas like Sewing Machine Operators, particularly for women. The successful execution of project has generated livelihood and provided immense benefit to hundreds of individuals and their families. PFC has been funding and driving the Skill Development programme for the unemployed youth including women in states like Andhra Pradesh, Telangana, Orissa and Tamil Nadu.

Tripura

2X8 MVA, 33/KV substations were inaugurated on 21st August 2021 at Dharmanagar & Kumarghat districts of North Tripura by the Hon'ble Deputy Chief Minister of Tripura, Mr. Jishnu Dev Varma in the presence of Mr. Biswa Bandhu Sen, Hon'ble Deputy Speaker, Tripura Legislative Assembly.



The event was also attended by senior officials of PFC, TSECL, consumers and the media at large. The inauguration started with the presentation of a cultural song and dance by the local artists which was followed by a Painting competition for school children on the theme '75 Years of India's Independence' under the SoP of COVID 19 regulations. As a gesture of goodwill, PFC distributed cash prizes to the winning children. The total Project cost of Dharmanagar is Rs 7.18 Cr. The total beneficiaries are 11287 whereas the total Project cost of Kumarghat substation is Rs 7.09 Cr. and it will impact 8897 people and their families. While on one hand, the implementation of the projects will increase the revenue of the utility, on the other hand, the load shedding and AT&C losses will be reduced thereby benefiting the people of Tripura. It is pertinent to note that Government of India through Ministry of Power provided 85% of the total project cost.

Rajasthan

A 33/11 KV GIS Sub-station under the IPDS scheme of Government of India was inaugurated at Jaipur in Rajasthan on 30th October 2021. PFC was the Nodal Agency for the project executed under IPDS scheme and Jaipur Vidyut Vitran Nigam Limited (JVNL) was the implementing agency for the project. The 33/11 KV GIS Sub-station was inaugurated virtually by Dr. B. D. Kalla, Power Minister, Government of Rajasthan in presence of Mr. Bhaskar Sawant, Chairman, Discoms, Mr. Navin Arora, MD, JVNL, Mr. Ameen Qazi, MLA, Kishan Pole and Senior Officers from PFC. The 33/11 KV GIS Sub-station inaugurated at the Janana Hospital premise of the state capital is Rajasthan's first GIS sub-station built in with an investment of Rs 8.00 crore. The substation would benefit close to 5000 households in the surrounding area of Chandpol in Jaipur with efficient power supply. Besides, a painting competition was also organised on the theme "Celebrating 75 Years of Independence" to pay glorious tribute to the great souls who fought the independence of this great nation and to those who laid their lives to protect its sovereignty and integrity post-independence. The enthusiasm, creativity and patriotism of the children added to the charm of the event. The children were gifted stationery kits, to further encourage them, in pursuing their studies and taking painting as a hobby and provide them avenues to develop and express their creativity.



Later on 30th November 2021, another 33/11 KV GIS Substation was inaugurated in Ramganj, Jaipur city as part of 'Azadi ka Amrit Mahotsav'. The GIS sub-station was inaugurated by Mr. Bhanwar Singh Bhati, Hon'ble State Energy Minister (I/c Energy), Government of Rajasthan through virtual mode. Mr. Ameen Kagzi, MLA, Kishanpole

(Jaipur) and Mr. Rafeek Khan, MLA, Adarsh Nagar (Jaipur) joined via VC from Vidyut Bhawan, Jaipur. Mr. Bhaskar A. Sawant, IAS, Chairman, Discoms, Govt. of Rajasthan, Mr. Navin Arora, MD, JVNL, Mr. Saurav Kumar Shah, Executive Director, PFC (virtually) including other PFC and utility officials were also present at the occasion. The GIS Sub-station at Ramganj was built at a cost of Rs. 7.50 crores and will benefit close to 4000 consumers, thereby ensuring uninterrupted power supply in Ramganj and its adjoining areas.

Meghalaya

PFC on the birth Anniversary of Mahatma Gandhi celebrated 'Azadi Ka Amrit Mahotsav' marking 75 years of India's Independence, by conducting Energy Efficiency drives. The drives were conducted at two different locations - one at 40 MW New Umtru Hydro Power Plant funded by PFC and another at Byrnihat Inspection Bungalow in Meghalaya. In line with its commitment towards Green Energy, the awareness drives were organised for children and women from local community of Ri Bhoi area of Meghalaya aiming to make them aware about how usage of LEDs can significantly reduce energy consumption and saves money by lowering their electricity bills.



Mr. Ravinder Singh Dhillon, CMD, PFC along with Shri Praveen Kumar Singh, Director (Commercial) and Additional Charge Director (Projects), PFC distributed around 250 LED Bulbs to children of local community. Mr. R. Rahman, Executive Director (CSR & PR) along with senior officials of MEPCL and PFC were also present on the occasion.

Manipur

As part of 'Azadi ka Amrit Mahotsav' celebrations

marking 75 years of India's Independence, 33/11 KV Substations commissioned under the IPDS were also inaugurated at Wangoi & Yairipok in Manipur on 30th October 2021.



Mr. Th. Biswajit Singh, Minister of Power, PWD, Rural Development & Panchayati Raj, Commerce & Industries, Administrative Reforms & Training, Information & PR along with Mr. O. Lukhoi Singh, Minister of Agriculture, Veterinary & Animal Husbandry and Tourism, Government of Manipur inaugurated the substations. These sub-stations will benefit close to 3000 households in both of these areas, thereby improving the quality of power supply and reducing the AT&C losses in these areas. The inauguration ceremony began with the ceremonial lamp lighting by the dignitaries which was followed by a cultural performance by the local artists showcasing Manipur's rich tribal and cultural heritage.

Uttarakhand

In yet another initiative towards improving supply of electricity for people of Kotdwar, a 33/11 KV GIS Substation was inaugurated in Haldukhata, Kotdwar as part of 'Azadi ka Amrit Mahotsav'. Along with the modernized 33/11 KV GIS Substation, a 20 MVA



Gas Insulated Power Station was also dedicated to the people of Kotdwar during the occasion. The GIS sub-station was inaugurated by Honourable Dr. Harak Singh Rawat, Minister of Energy and Renewable Energy, Uttarakhand Govt. in the presence of Mr. Anil Kumar, Managing Director, Uttarakhand Power Corporation Ltd (U.P.C.L). Some of the places where the projects have been implemented are Dehradun (Uttarakhand), Solan (H.P), Bhagalpur (Bihar), Dharmanagar (Tripura), Bandipora (J&K), Purnia (Bihar). Further, PFC was recently conferred with the Maharatna status by Government of India giving the company greater operational and financial autonomy.

Community Outreach Programs

Painting Competition on Energy Conservation was organised by PFC at various schools of Delhi such as Atal Adarsh Vidyalaya, Arwachin International School, DAV Public School, Sahibabad, Govt. Co-ed Sr. Sec School, Baprola, Sarvodaya Kanya Vidyalaya, Sultanpur, DTEA Senior Secondary School etc. PFC also organised Painting Competition at 3 different locations of Delhi-NCR during 'Iconic Week of Energy Conservation'. The event commemorated in the form of State Level National Painting Competition held at Conference Hall, PFC on 14th November 2021 (National Energy Conservation Day) for which PFC was the nodal agency.



Mr. Vivek Kumar Dewangan, Additional Secretary (Power), Mr. R. K. Rai, Secretary (BEE) and CMD, PFC Mr. Ravinder Singh Dhillon gave away the prizes to the winning children. Officials stressed on the messages of Azadi ka Amrit Mahotsav, COVID Vaccination, Developing and Progressive Nation, Khelo India, Digital India, Start-up India, cultural heritage and other thematic topics through their speeches.

Kavi Sammelan

A 'Kavi Sammelan' was also organised in Urjanidhi which saw the coming together of eminent authors and poets such as Mr. Wasim Barelvi, Padma Shri Dr. Sunil Jogi, Mr. Vineet Chauhan, Dr. Kirti Kale, and Dr. Praveen Shukl on 13th October 2021 on the auspicious occasion of 'Hindi Maah Samapan Samaroh'.

The event provided a strong platform for cultural and linguistic development. The emp-



loyees of PFC are playing a leading role in the promotion of Rajbhasha Hindi by adopting it in official work as well as in personal life. Poets enthralled the audience with recital of poems in Shringar and Hasya Ras. Some of the compositions presented satire, while other carried social messages which garnered the appreciation of all.

Apart from the above activities, PFC has also planned various other projects across different states such as educational visits to power plants in Pune, Hissar, creation of awareness about IT/automation, SCADA services in Raipur, Motihari, Lucknow including inauguration of underground cabling and holding of an exhibition in Varanasi in the coming months. During iconic events, different milestones of PFC were highlighted amongst the stakeholders. The achievements of PFC in the field of energy conservation, eco-restoration, sustainability, diversification, technological advancement and digitalisation initiatives were brought out. PFC will continue to celebrate 'Azadi Ka Amrit Mahotsav' in different parts of the country with great zeal and enthusiasm. ■

SAIL rejoices Azadi Ka Amrit Mahotsav



Soma Mondal
Chairman,
Steel Authority of India
Limited

To celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements, the Government of India launched 'Azadi Ka Amrit Mahotsav'. This festival began on March 12, 2021 -75 weeks prior to India's 75th Independence Day on August 15, 2022 -and will continue until August 15, 2023. 'Azadi Ka Amrit Mahotsav' is not just a celebration of our past achievements but also as an opportunity to provide a template for India in future as it enunciates the potential of the nation in achieving Prime Minister's vision of India 2.0, fuelled by the spirit of Self-Reliance or 'AatmaNirbhar Bharat'.

Steel Authority of India Limited (SAIL), the largest steelmaking Maharatna PSU, has been one of the most active participants in this unique campaign of national pride since the beginning. The intensive countrywide campaign of #AKAM, started to celebrate 75 historic years of Indian independence, also amalgamates and propels the vision of Atmanirbhar Bharat of Hon'ble Prime Minister of India which aims to turn our country into a greater world power.

Focusing on wider participation and popularizing the #AKAM to as many as possible i.e., to encourage maximum 'Jan Bhagidari', SAIL widely publicized this campaign through various programs and mediums. In the process, the company has not only reached out extensively to SAIL fraternity but also to a large section of the company's external stakeholders as well and communities residing in and around SAIL's Steel Townships and Mines spread over various states of the country. SAIL, across its plants and units and Townships, has tried to connect with people for broader citizen participation and is playing its role in converting it into a 'Janandolan'.

Since the launch of the #AKAM, SAIL is continuously undertaking various activities and organizing several interactive events at its numerous Plant and Unit locations in a planned and structured manner. Widespread publicity of 'Azadi Ka Amrit Mahotsav' is being done across various media platforms. SAIL's efforts of popularizing the campaign and raising awareness towards the same constitutes of tools including:

- Short films
- In-house video
- Rendition of National Anthem (the campaign run by GoI on mygov)
- Various activities to promote SwachhtaAbhiyaan
- Green initiatives of massive plantation drive
- Run for Unity along with Fit India Freedom Run
- Sports events at various SAIL locations
- IspatiRada rally
- Cultural and other events

Apart from leveraging the conventional mediums like print media and news dailies for reaching out to its stakeholders and people to publicize the Azadi Ka Amrit Mahotsav, SAIL also extensively used the other new age mediums. These include the various social media handles of the company on a variety of platforms along with fully utilizing the company's website and intranet sites of all the plants and units including its corporate office portal. There have been a large number of hits on both company's website and social media handles. The intranet of the plant and units helped the employees to obtain a large bouquet of information about the activities carried out by their company to propagate the #AKAM.

Any activity which is planned and subsequently carried out to promote #AKAM at SAIL are all



SAIL Web Page.



being publicized on social media handles of the company and its respective plants along with using the #AKAM logo e.g., Short film on Azadi Ka Amrit Mahotsav produced & posted on Social media, SAIL Webpage which was circulated amongst stakeholder through WhatsApp and the Short Film on Netaji Subhas Chandra Bose with voice over in Hindi and Bengali.

The sustained efforts by the departments concerned in popularizing the campaign and organizing events related to the campaign has helped in developing the interest of a substantial number of people from the SAIL family as well as from people dwelling in and around the SAIL settlements. The company has been using the various outdoor sites at its plant locations to put up big banners and posters related to #AKAM. Public Address System and mobile van have also been used to propagate AKAM. Be it popularizing this campaign or raising awareness to other related issue related to the prosperity or well-being of masses, SAIL included everything while planning its #AKAM observation campaign.

The nationwide fitness drive of Fit India Freedom Run was a big part of the larger campaign at SAIL. The Run for Unity/Fit India Freedom Run events have been organized for the residents of Steel Townships, the employees and their wards of SAIL steel plants at IISCO Steel Plant (ISP), Durgapur Steel Plant (DSP) and Alloy Steels Plant (ASP) located in West Bengal, Rourkela Steel Plant (RSP) in Odisha, Bokaro Steel Plant (BSL) in Jharkhand, Bhilai Steel Plant (BSP) located in Chhattisgarh, Chandrapur Ferro Alloy Plant (CFP) in Maharashtra, SAIL Ranchi Units located in Jharkhand and at Chennai where the company has a marketing office. These runs, wherever organized, saw a huge participation from the locals reinforcing the faith of the company that its efforts are being recognized by the people

and spirit of India@75 is being popularized. The fervour and joy of these events that was reflected in the people joining these are a testimony to the feeling of patriotism amongst the entire nation.



Run for Unity/Fit India Freedom Run.

SAIL also organized massive plantation drives across its locations in the country, which saw participation from SAIL officials, employees, teachers, school children of that area and other members of the society. In this massive drive, more than 50,000 saplings have been either planted or distributed among residents of Township/Plant/Mines of SAIL.

Another campaign, which has seen very positive participation from people and resulted in raising the awareness towards keeping our surroundings clean – the SwachhtaAbhiyan, was also integrated

with the #AKAM campaign at SAIL. SAIL, believes in holistically designing and carrying out the national social campaigns to have a larger impact on the audience.

The integration of SwachhtaAbhiyan, Green Drives, Fit India Run etc., into #AKAM was a step towards this. Under the SwachhtaAbhiyan, cleaning and sanitization were done in the administrative buildings, plant premises and works areas, cleanliness drives were organized at various public places and markets of the plant townships, roadside bins were cleaned under special drive and awareness programme on Swachhta, COVID and Dengue have been undertaken by distributing pamphlets and door-to-door visits at many plant locations and organizing various awareness workshops on the same.



Swachhta Abhiyan at Plants /Units.



Swachhta Abhiyan: Chairman and Directors of SAIL.



Tree Plantation.



SAIL could connect almost 10,500 people for partaking in the singing of National Anthem, which was launched by Government of India as a part of #AKAM. The company had undertaken a massive communication drive through video, posters,

hoardings, WhatsApp messages, SAIL plant's internal TV channels, SAIL Webpage and portals, its clubs and Mahila Samaj etc. to popularize the National Anthem campaign.

A host of sporting activities including Hockey match for women, Basket Ball competition for women, Football Match at BSL, ASSA Super Division Football League 2021-22 and Basket Ball Tournament at ISP, Rural Hockey Tournament at RSP, Paschim Bardhaman District Amateur Championship at ISP for sub-junior boys and girls and Grameen Football Protiyogita at DSP have been organized since the launch of the campaign.



Sports Events.

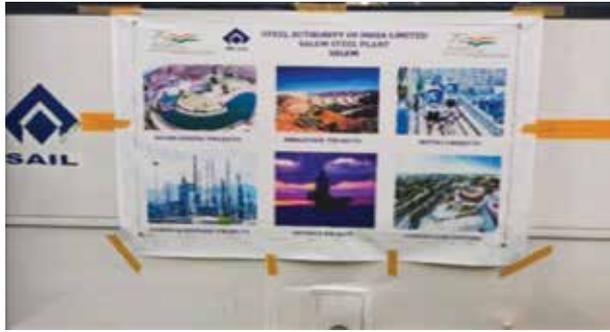
SAIL-Bokaro Day Boarding Archery Center was opened at village Shibutand, Bokaro. This center has been opened in one of the peripheral villages of Bokaro with the purpose of encouraging and facilitating local talent and to groom them for excelling at national/ international levels.

Apart from the above, 'IspatiIrada Rally' was also a part of the SAIL's campaign. Under this, four mobile exhibitions highlighting the vision of Atmanirbhar Bharat in steel sector have been organized in SAIL. The rallies have showcased the contribution of SAIL in the achievements of various projects like

- Space Programmes
- Infrastructure - Statue of Unity, Bridges, Hydro-Projects, Road Projects, Rail-cum-Bridge Projects, River Linking Projects, Irrigation Projects, Metro Projects
- Power & Refinery Projects
- Defence etc.

As a part of AKAM activities, branding & advertising on LED Vehicle were undertaken by the marketing team of SAIL to increase the visibility of SAIL SeQR TMT bars. The vehicle displayed audio-visual clips of advertisement and was GPS activated & environment friendly. The audio-visual clip also included visual of SAIL e-portal for online sales of SeQR TMT.





'Ispatirada Rally'

Cultural events were organized for AKAM with competitions and other programs like

- Online Kavi Sammelan.
- Handloom Silk Products Exhibition under the theme 'My Handloom My Pride'.
- Nukkad Natak Street Play on 'Say no to plastic', Safety, Swatchhta etc.
- Debate/essay/drawing & painting/story writing/slogan/quiz competition for school children and stakeholders.
- Industry Academia Conclave on digital transformation in steel manufacturing at ISP on Industry 4.0, AI, IoT and IIoT with the participation of Institutes like IIT Kharagpur, BIT Sindri, IIIT Bhagalpur & leading Industries like TCS, AttiVitti etc.
- Webinar on promotion and usage of steel.
- Awareness programmes on use of biodegradable and compostable plastic bags.
- Distribution of high protein rich supplements to women & children from under-privileged sections of the society as part of 'Azadi Ka Amrit Mahotsav' & National Poshan Campaign of Government.
- Exhibition for promotion of khadi materials cum khadi materials distribution to weaker section of the society by DSP, Durgapur.

- To ensure that the 'Azadi Ka Amrit Mahotsav' is filled with colors of art, culture, song and music various programs like Rangoli-Competition, Musical programme, painting competitions/ exhibitions etc., were organized.
- Medical/Health Camps were organized in Steel City, Model Steel Villages and Villages/Areas in periphery of the Townships/Mines of SAIL.
- Various promotional materials like stickers were distributed by Chasnalla, Jitpur & Ramnagore Collieries, 'OORELLAM SAIL'.
- A program where Gramin Dak Sevaks were provided T-shirts and caps with SAIL branding and apparels handed over to the Postal Department at Puducherry by SAIL's marketing division.
- Students were introduced to steel making with a guided tour to steel plants.





Various events like Awareness Rally, Painting Competition, Rangoli, Light & Sound etc.

Saluting the spirit of the freedom movement and to pay homage to our freedom fighters the company took various aesthetically motivated steps. Special initiatives taken by SAIL in its contribution to the #AKAM campaign include :

- A stainless steel 'Azadi Ka Amrit Mahotsav' mural

was installed at ISP, Burnpur and steel mural depicting freedom fighters and AKAM Logo at DSP, Durgapur have been installed.

- A light and sound show on freedom movement organized at BSP.
- A series on freedom fighter started by RSP is being uploaded in Youtube & RSTV news.
- Nabya Chetanay Desh Bandana, a program to pay tribute to freedom fighters and martyrs of freedom struggle on DSTV of DSP.

As part of 'Azadi Ka Amrit Mahotsav', SAIL-Bokaro Steel Plant has signed an MOA (Memorandum of Agreement) with ISKCON to combat the menace of anemia & malnutrition in Bokaro district. Under this MOA, Bokaro Steel Plant as a Socially Responsible Corporate Entity will provide monetary aid to ISKCON for setting-up a base kitchen with associated infrastructure at village Chakuliya near Chas College and a vehicle for transportation of meals to the beneficiaries under CSR scheme.

In recognition of leaders who contributed to the idea and well-being of the Indian nation, various events have been organized across SAIL. National Unity Day or Rashtriya Ekta Diwas was celebrated across SAIL to mark the birth anniversary of Sardar Vallabhbhai Patel and 'Janjatiya Gaurav Divas' was observed at SAIL plants located at Chhattisgarh, Odisha & Jharkhand. Various programs were organized and activities undertaken viz. Tableau on the Life & Contribution of Birsa Munda was made & displayed, Film on freedom fighters of Jharkhand was released, A seminar and talk on 'Life & Times of Shahid Birsa Munda' was organized, a play christened 'Dharati Abba' based on the life and struggle of the Veer Birsa Munda was presented and Exhibition showcasing life of tribals in Chhattisgarh and Shaheed Vir Narayan Singh was organized.





SAIL has always stood firmly with economic and social development of the country. It is not only the most trusted steelmaker for India but it is also a pillar of strength and hope for a very large number of people whose lives have been touched by the various social projects of the company. SAIL believes in developing a sustainable and participative business that will take the nation forward while continuously making efforts to stride ahead for the economic and social well-being through environment friendly initiatives. ■



AKAM Mural and Celebration of Janjatiya Gaurav Divas.



HAL marks Azadi Ka Amrit Mahotsav with Iconic Events



R. Madhavan
CMD, HAL

HAL is celebrating Azadi Ka Amrit Mahotsav (commemoration of India@75) with fervour in all its divisions across the country, fuelled by the spirit of 'Atmanirbhar Bharat' in line with the Government's initiative. HAL is at the forefront of the 'Atmanirbhar Bharat' initiative in the Indian aerospace and defence sector through an inclusive partnership of the Indian industry sector. Towards achieving self-reliance in defence, HAL has indigenously produced 17 types of aircraft for the Indian defence services over eight decades.

Considering the significance of this initiative and to make memorable contributions, HAL kickstarted the AKAM weekly celebrations on March 12, 2021 with an emphasis on indigenisation, skill development, vendor development and advanced technology. HAL has undertaken several events which reflect the company's efforts and achievements as celebrations continue forward culminating in August 2023.

Showcasing Achievements@80

HAL held weeklong public exhibitions in Bengaluru, Nashik, Kanpur, Hyderabad, Koraput and Lucknow between December

13-19, 2021 showcasing its 80 years of heritage, current and futuristic products. The Defence Minister, Mr. Rajnath Singh virtually inaugurated the week-long AKAM celebrations. Following the inauguration, HAL unveiled the exhibition at HAL Heritage Centre & Aerospace Museum, Bengaluru, Biju Patnaik Aeronautics Museum, Sunabeda and Pragati Museum, Nashik.

HAL-produced aircraft, helicopters, aero engines, avionics systems, components and LRUs were displayed at different exhibitions. The highlight of the event was CATS WARRIOR UAV Mockup model, model of LCA Tejas, cut section of MiG engine, MiG 21 and MiG 27 aircraft, Do-228 and HS-748, avionics systems, the operational model of ALH transmission system, LRUs and aerospace components at different exhibitions. A film on HAL's contribution to 'Atmanirbhar Bharat' was produced and displayed at all the exhibitions. The event was widely publicized through radio campaigns, hoardings, posters etc.

HAL also facilitated the visit of school and college students for the exhibition to witness the progress of the Indian aerospace industry and learn about indigenous technologies. Around 30,664

students and general public visited the exhibition at Bengaluru. A quiz programme on AKAM was organized for the school children daily at Sunabeda and around 1050 students and 2800 general public participated from the nearby areas. Nashik recorded a total footfall of 24,916 including students from 70 different schools and colleges during the week. Souvenirs on AKAM were distributed to the general public and invitees followed by a cultural programme for the general public. A preventive health check-up camp and cancer screening test were also organized for the women of the adopted villages of HAL, Koraput Division. Around 500 women were covered under this programme.

Achieving self-reliance in SU-30MKI production

In August 2021, HAL handed over the last Su-30 MKI as a representation of the completion of the existing manufacturing order of Su-30 MKI. The event echoed the vision of 'Atmanirbhar Bharat' by achieving complete self-reliance in building Su-30 MKI from the raw material stage. IAF appreciated the role of HAL in maintaining the large fleet of Su-30 MKI across all IAF bases

and equipping the aircraft with an advanced armament system indigenously.

HAL also handed over the 75th Su-30 MKI ROH aircraft to IAF on January 25, 2022. IAF appreciated HAL's efforts in reducing ROH cycle time for enhancing ROH output and also urged HAL for rapid indigenisation of spares. HAL is committed to further improving the ROH cycle time, indigenization of LRUs, spares and other materials under 'Atmanirbhar Bharat' for reduction of dependency on foreign OEMs and for timely availability of items.

Dedicating LUH to the Nation

Foreseeing the growing requirement of helicopters in India, HAL has taken a giant step in making India 'Atmanirbhar' in helicopters. HAL is establishing a Greenfield helicopter factory that spans 615 acres of industrial land at Biderehalla Kaval, Gubbi taluk, Tumakuru District in Karnataka. The Prime Minister, Shri Narendra Modi laid the foundation stone for the new factory on January 3, 2016. This helicopter factory is modelled on Industry 4.0 standards and is planned to be operationalised soon with an annual capacity of 30 helicopters.

As part of Azadi Ka Amrit Mahotsav celebrations, HAL plans to roll out the first Light Utility Helicopter (LUH) MK-I from its 'New Helicopter Factory' in Tumakuru this year. Towards this, HAL has launched the production of LUHs by launching the first LUH LSP Structure Assembly on December 8, 2021. Based on the visibility of customer order for 12 LUH MK-I, HAL's

Helicopter Division at Bengaluru has launched the production through internal funding. In this regard, all stakeholders including participating sister divisions are making all-out efforts to meet this challenging task. HAL aims to increase helicopter production capacity and helicopter MRO capacity in a progressive manner.

Facility for Raw Material phase production of AESA Radar under ToT for Jaguar DARIN – III upgrade programme

In another ambitious programme, as part of AKAM celebrations, HAL is planning to dedicate a raw material phase facility for manufacturing AESA Radar of Jaguar DARIN-III by August 2022. AESA Radar is a severely guarded production technology in the world. This is the first time that a state-of-the-art in-country manufacturing/testing facility would be established. With this, India would join the elite club of countries having manufacturing capacity of Airborne AESA radar.

HAL has collaborated with IAI ELTA for manufacturing of AESA radar under ToT at HAL. The technical expertise and knowledge base of the AESA manufacturing technology would be transferred to HAL/India. The manufacturing technology/expertise can be utilised for the manufacturing of indigenous AESA Radar with cost and time optimisation.

Indigenous Development of IFF Mk XII CIT System for LCA Mk-1A

HAL is planning to complete the indigenously developed Combined Interrogator and

Transponder (CIT) for LCA Mk1A by August 2022 as part of AKAM celebrations. LCA Mk1A, includes integration of a contemporary IFF Mk XII Combined Interrogator and Transponder. The CIT System simultaneously performs both interrogation and transponder operations in a single LRU.

CIT is used for the identification of the target as a friend or foe and for responding to interrogations from other platforms or ground. CIT consists of two sub-systems, namely the Interrogator and a Transponder.

Type certification of Hindustan-228, the first Indian civil Light Transport Aircraft

HAL has initiated the Type certification of HAL manufactured Light Transport Aircraft (LTA), a 19-seater aircraft, upgraded with the modern systems as per the latest Airworthiness standard.

Hindustan-228 is planned to be certified by the Directorate General of Civil Aviation (DGCA) and European Union Aviation Safety (EASA). This is mandatory for export certification. The Hindustan-228 aircraft will be the first Indian Civil Light Transport Aircraft having Type Certified by the DGCA and the EASA.

To promote self-reliance under 'Make in India', the local manufactured parts and equipment certified and being used for the Hindustan-228 aircraft is continuously increased. Further, it will provide a test platform in India for certifying 'Made in India' parts and equipment that are designed and manufactured for Civil Aviation.

HAL successfully carried out the first flight of Hindustan-228 aircraft on December 26, 2021 towards the DGCA type certification.

Certification of avionics upgraded HS-748 Aircraft

HAL has produced a total of 89 HS-748 Avro aircraft under licence from BAE Systems, UK from 1960 to 1984. HAL is also undertaking the overhauling and maintenance of Avro aircraft for the Indian Armed Forces.

The Avro aircraft airframe of Indian Armed Forces has substantial residual life and are facing obsolescence issues of avionics, autopilot, cockpit instruments, navigation & communication equipment are the major concerns for serviceability of the Avro fleet. To mitigate the obsolescence issues, HAL took the initiative to carry out Avionics Upgrade including Glass Cockpit

and Autopilot upgrade on one BH572 aircraft as a technology demonstrator.

Upgraded aircraft will be fitted with 'state-of-the-art' avionics, Glass Cockpit, autopilot etc. and will be free from obsolescence. This will ensure commonality, lower risk of integration and faster integration and use of aircraft for a further long period.

HAL has completed the integration of all 14 Systems on Avro aircraft. The ground testing of all systems including Autopilot has been completed. The flight trials of all systems and project were completed in December 2021.

Smart City

In line with the purpose of the Smart Cities Mission (SCM), HAL has earmarked its Hyderabad Township for conversion into a Smart Township. The team is actively working on various parameters to make this a reality.

As part of AKAM celebrations, HAL held a sapling plantation drive at its various divisions. Medicinal plants, saplings were distributed to employees. HAL has begun knowledge sharing sessions focusing on unique and critical tasks and processes being carried out in its divisions with the support of internal resources for the benefit of its employees. Seventy five sessions are planned for the year aligning with 75th anniversary of Indian Independence. Sessions on work culture and skill development were also organized at HAL and over 1200 employees have benefitted from the programme so far. Technical training sessions, awareness campaigns, various competitions, skits, vendors' meet, mini-marathon, display of banners, bicycle rally have been held to celebrate AKAM.

HAL will continue to organise impactful events across its divisions as part of AKAM celebrations. ■

NBCC celebrates Azadi Ka Amrit Mahotsav



P. K. Gupta
CMD, NBCC

Founded in 1960 as a Govt. of India Civil Engineering Enterprise, headquartered in New Delhi, today, holds the status of Navratna CPSE, and has emerged as an undisputed leader in the Construction Sector on the back of its capabilities, innovative approach, adherence to highest standard of quality, timely delivery by a dedicated workforce. Listed with both the Stock Exchanges since 2012, the company's unique business model has propelled it to become India's flagship leader in the construction sector. The Company has posted a substantial growth since 2002-03 and its total consolidated income touched Rs. 7,012.36 crore in FY 2021-22. NBCC is primarily operating in three major domains:

Project Management Consultancy (PMC)

Civil construction projects including residential and commercial complexes, hospitals, educational Institutions, re-development projects of the Govt.

Infrastructure works for the national security including border fencing along the Indo-Bangladesh and Indo-Pak border.

Infrastructure projects for the civil sector including roads, water supply, waste management system, storm water systems and water storage solutions.

Project implementation for Pradhan Mantri Gram Sadak Yojna (PMGSY) and developmental work in North Eastern Region.

Engineering Procurement & Construction (EPC)

NBCC operates in the Infrastructure Segment as well, wherein it executes projects such as High Rise Chimneys, Cooling Towers, Coal Handling Plants for power sector etc.

Real Estate Development

it includes

Residential projects, such as apartments and townships. Commercial inventories such as corporate office buildings and shopping malls for the Governments and the public at large.

Business Restructuring

In the view of the growing business opportunities in recent times and in order to effectively cater to diversified business operation, NBCC has of-late, set up subsidiaries/ JV's.

Innovation and Excellence at Work

The Company has created a new business vertical namely, Redevelopment of Properties, taken up in a self-revenue generation model. This industry-defining exemplary model has tremendously strengthened company's business prospects, with Govt. and Civic Administrations awarding mega redevelopment projects.

Enhancing the Global Footprint

NBCC ventured into Overseas Operations in the year 1977, executing projects of diverse nature in



Supreme Court Building, Mauritius.

countries like Libya, Iraq, Yemen, Nepal, Maldives, Mauritius, Turkey, Botswana etc.

NBCC presently has its presence in Maldives, Mauritius and Dubai, where it is implementing various prestigious projects. NBCC has successfully completed New Supreme Court Building in Mauritius which was jointly inaugurated by Hon'ble Prime Ministers of India and Mauritius in July, 2020. NBCC has also secured order for the construction of Social Housing in Hulhumale, Maldives valuing \$130 million and New Parliament and Ministerial Buildings in Burundi valuing \$160 million, funded by EXIM Bank. The Indian Pavilion at the World Expo in Dubai has recently been opened for public in the month of October 2021.



Dubai Pavilion.

Accolades

Company has been bestowed with numerous awards for its distinguished and extraordinary feats and performances. By focusing on Green, Sustainable and Technology driven construction practices, NBCC's stature shall continue to rise in the coming years, with the endeavour to make the nation proud to have an entity of this order. With the foundation of its rich heritage, NBCC today is etching a refulgent future.

Employee Strength

Permanent: 1368; Contractual: 214

Azadi Ka Amrit Mahotsava was celebrated to commemorate 75 years of independence and the glorious history of India's people, culture and achievements. In line with this vision, the Mahotsav was dedicated to the people of India who have not only been instrumental in bringing India thus far in its

evolutionary journey but also hold within them the power and potential to enable Hon'ble Prime Minister Narendra Modi ji's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. NBCC celebrated the glorious occasion by organizing different events and competitions in-house. Some events that have been organized are as follows:

Running Videos: at the corporate office & other prominent places related to freedom struggle of India and Indian Freedom Fighters.

Invitation to Prominent Doctors, to address the employees of NBCC on recent innovations including vaccinations – NBCC invited Director AIIMS, Delhi on 27.11.2021, to address our employees in which around 450 employees had participated. Dr. Randeep Guleria, Director- AIIMS, a Padma Shri recipient addressed the employees on various health care initiatives like the journey of the development of vaccine in India, Record number of Vaccination, National Health Mission, Ayushman Bharat, Mission Indra Dhanush, Polio Eradication, Elimination of Leprosy, Small Pox, Pradhanamantri Janaausadhi program, etc.



Organizing Quiz competition: on freedom struggle of India and Indian Freedom Fighters among NBCC employees – NBCC conducted online quiz competition on 25.11.2021 to generate awareness amongst employees in which around 155 employees have participated.





Kavi Sammelan on freedom struggle: NBCC's Rajbhasha Division organized an insightful program called Hindi Goshthi on 10.01.2022.

debate competition on 24.01.2022 among the NBCC officials in which all the officials enthusiastically participated in the program with great interest.



Poster Making/ Painting competition: (Only among the children of NBCC employees) – NBCC has organized a painting competition on 23.02.2022 among the children of NBCC officials that received an overwhelming response among the participants.

On the occasion of 'Azadi ka Amrit Mahotsav', NBCC (India) Limited & Ministry of Labour & Employment, New Delhi jointly organized one day program on various Labour Laws on 12.03.2022. The chief guest of the program



was Mr. A. K. Samanataray, CLC (Central). The key speaker of the program was Mr. G. C. Meena, Dy. CLC & Mr. Omkar Sharma, Mr. Abhijeet, Dy. CLC (C) in which they have discussed various provisions of labour laws. The program was also seen attended by NBCC workmen, Union leaders, Contract workmen and Senior NBCC Officials. ■

Debate competition: on freedom struggle by NBCC employees – NBCC has organized a

NMDC celebrates Azadi ka Amrit Mahotsav with the nation



Sumit Deb
CMD, NMDC

India has put up a brave fight against COVID-19, had a glorious run at Olympics 2020, and is honoring the principles of Swadeshi and Swaraj in building an Atmanirbhar Bharat. To celebrate India@75, the Government of India has initiated Azadi ka Amrit Mahotsav - a 75-week countdown in memory of our freedom struggle. I take great pride in inviting all of you to participate in this movement that celebrates the rich history and heritage of our nation.

In honour of 75 years of independence and building of this great country, the Government of India announced 'Azadi ka Amrit Mahotsav', to celebrate the freedom, ideas, resolve, actions, and achievements of India. As the largest iron ore producer of the country, NMDC has played a pivotal role in the growth story of our nation. From producing 4 million tonnes of iron ore in the 1960s to crossing the 40 million tonne mark this fiscal, the mining major is devoted to building a self-reliant and steel solid future for India.

In the ongoing Azadi ka Amrit Mahotsav, NMDC is celebrating the history, people, culture, and achievements of our country. We have chalked out a plan to conduct various sports, academic and cultural events in the run-up to India@75. Through our activities and campaigns, we have strived to engage people in celebrating 'Azadi ka Amrit Mahotsav' as

a Jan-Utsav in the spirit of Jan-Bhagidari.

The official journey of Azadi ka Amrit Mahotsav commenced on 12th March 2021, and we initiated our celebration with children from NMDC supported and sponsored schools. NMDC conducted student seminars and creative writing competitions on the theme of India's Freedom Struggle, and also screened a documentary on the National Movement for our children to know the glorious history of our independence.

The relevance of starting this festival on March 12 was to observe the anniversary of Dandi March, a turning point in the Indian Independence Movement. As our Hon'ble Prime Minister flagged off a commemorative Dandi Padyatra to launch Azadi ka Amrit Mahotsav, NMDC arranged a Digital Mobile Van to participate and display the India@75 Journey through the Dandi Path. The Digital Mobile Van



NMDC Global Grace Cancer Run.



NMDC Independence Day.



NMDC Mega Chess Tournament.

accompanied the Dandi Padyatris from Ras Village to Dandi, the end of the Padyatra and carried water bottles and sanitizers for the Padyatris.

NMDC is celebrating the national festivals of India in the backdrop of India@75 to enable and encourage our stakeholders to participate in Azadi ka Amrit Mahotsav. Cultural and sports programmes were lined up for the 75th Independence Day at our Head Office and Project Units, with the company creating awareness on the ongoing freedom festival. On this occasion, the Ministry of Culture, Government of India hosted a portal to collect citizens' rendition of the National Anthem and over 1500 employees from NMDC uploaded their videos singing Jana Gana Mana.

On Gandhi Jayanti, NMDC emphasized on a collective responsibility towards honouring the vision of Gandhi ji and making headway to a Clean India, Green India. With large-scale Tree Plantation and Swachhata Drives around our mines, NMDC keenly participated in the national cleanliness movement. Our core values of responsible and eco-friendly mining are also derived from the principles of Gandhi ji. As our tribute to the Father of our Nation, NMDC vowed to continue augmenting its environment and energy conservation initiatives.

We have come to believe that the soul of 'Azadi Ka Amrit Mahotsav' lies in creating opportunities for young India. Through our CSR programmes for youth and engagement initiatives with students, NMDC aims to promote lateral thinking skills, creativity, and innovation in the future generation of the country. During October 2nd and 3rd 2021, NMDC organized a Mega Chess Tournament as part of the various sports, academic, and cultural events to mark India@75. On the sidelines of the Tournament, we hosted a quiz competition and



NMDC Run for Unity.

an interactive session on the Indian Independence Movement. Around 400 students from over 75 schools in Hyderabad and Secunderabad celebrated 'Azadi Ka Amrit Mahotsav' with NMDC.

Drawing inspiration from the spirit of freedom celebrated during Azadi ka Amrit Mahotsav, NMDC supported the Cancer Awareness Run to encourage people to fight for freedom from cancer. The NMDC Global Grace Cancer Run was held on October 10, 2021 and launched on September 9, 2021 in Hyderabad. The launch event was graced by Dr. Tamilisai Soundararajan, Hon'ble Governor of Telangana and Lieutenant Governor of Puducherry. The flyer for the run was unveiled by Mr. G. Kishan Reddy, Hon'ble Minister of Tourism, Culture, and Development of North Eastern Region of India, on August 22, 2021. This was followed by a virtual awareness talk on 'Debunking Myths of Cancer' by a panel of medical experts and doctors on September 4, 2021. NMDC partnered with Grace Cancer Foundation to conduct Freedom Marathons in person at Hyderabad and virtually across the globe, in three categories - 5K, 10K, and 21.1K. The Freedom Marathons were also organized at the three major project locations of NMDC - Kirandul, Bachel, and Donimalai.

On Rashtriya Ekta Diwas 2021, NMDC organized a 'Run for Unity' to commemorate the birth anniversary of Sardar Vallabhbhai Patel. NMDC employees and over 100 students from various schools in Hyderabad participated in the run and paid their tribute to the Iron Man of India.

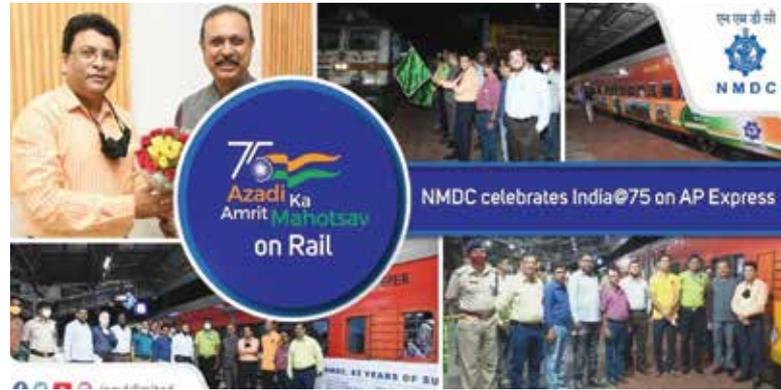
As part of 'Azadi ka Amrit Mahotsav', NMDC has organized an array of health and fitness programmes. Continuing to be a patron of the Fit India Movement, we launched the NMDC Impact League on Republic Day 2022. It is a walkathon challenge



NMDC Student Seminar.

that enables NMDC employees and their family members to support the CSR initiatives of the company while moving towards a healthy lifestyle for their physical, mental and emotional well-being. In the first week itself, over 1000 NMDC employees came on board and raised Rs. 1 million for the social initiatives of the company in the fields of Education, Health, and Sustainable Livelihood.

NMDC also inaugurated its revamped website on January 26, 2022. The NMDC website consistently publishes and promotes the Ministry of Culture initiatives under the aegis of Azadi ka Amrit Mahotsav. From Social Media campaigns mapping the India@75 events everyday to impactful OOH advertising on airports, train, and bus shelters, NMDC has built a robust outreach programme for spreading awareness on India's Festival of Freedom.



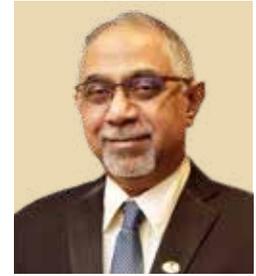
NMDC Train Branding.

In the run up to India@75, NMDC will conduct several more iconic events to commemorate Azadi ka Amrit Mahotsav. The major upcoming events include,

- Seminar to take forward the dialogue on national mineral outlook and raw material security,
- Quiz Competition engaging companies under Ministry of Steel,
- Cricket Tournament engaging NMDC stakeholders including Ministry of Steel, and
- Installation of an iconic Wall Mural in Hyderabad remediating the story of India.

As we celebrate our country's glorious history and envision India 2.0 through Azadi ka Amrit Mahotsav, NMDC stands with the nation in celebrating India@75 and building an Aatmanirbhar Bharat. ■

Oil India Limited celebrates Azadi Ka Amrit Mahotsav



Sushil Chandra Mishra
CMD, OIL

Oil India Limited (OIL), India's second largest National Exploration & Production Company, is celebrating Azadi Ka Amrit Mahotsav- 75 years of India's Independence by organising various events across its installations in Assam.

The celebration started with a webinar on Sustainable Development & its Impact on People, Planet & Profit. Mr. Tarun Kapoor, the then Secretary, Ministry of Petroleum & Natural Gas (MoPNG) delivered the keynote address. Mr. S. C. Mishra, CMD, OIL delivered inaugural address in the webinar which witnessed presence of industry experts, researchers, scientists and journalists sharing their thoughts on the topic.



Study visit of students to a sucker rod pump.

hydrocarbons. Visits are organised to various facilities of the company to give them an overview of the setup. Students from various schools, colleges and institutes participated in the exposure visits organised by the company.



Mr. Tarun Kapoor, the then Secretary, MoPNG delivering Keynote address during the seminar

Under the guidance of the MoPNG, the company has been organising exposure visits of students to its installations at various locations. During the visits, students are explained about various processes involved in exploration & production of



Exposure visit of students to OIL's Secondary Tank Farm in Madhuban, Assam.

A cycle rally was organised in January 2022 in Duliajan for awareness generation on fuel

conservation. Mr. Rameswar Teli, Hon'ble Union Minister of State for Petroleum & Natural Gas and Labour & Employment and Mr. Terosh Gawala, MLA, Duliajan participated in the rally along with 300 other cyclists from the region. Hon'ble Minister felicitated veteran cyclists during the programme.



Mr. Rameswar Teli, Hon'ble Union Minister of State for Petroleum & Natural Gas and Labour & Employment at the Cycle Rally.

In another programme held in March 2022 to celebrate Azadi Ka Amrit Mahotsav, Mr. Rameswar Teli, Hon'ble Union Minister of State for Petroleum & Natural Gas and Labour & Employment felicitated 75 eminent personalities from Dibrugarh District for their significant contributions to the community in various ways. OIL also adopted Latumoni Tingkhong village in Dibrugarh District in August 2021 for 2 years under OIL's CSR in order to improve agriculture practices in the region for increasing agriculture yield by promoting cultivation of high yielding variety of Sali and Rabi crops.



An awareness drive for women handloom weavers of 100 Joint Liability Groups in Baghjan was organised under OIL's CSR project 'Rupantar' in August 2021. After completion of their necessary training at Growth Centre Duliajan, a total of 500 looms and other weaving accessories, yarn and revolving fund were provided to each of the JLGs. The initiative envisages development of handloom clusters in the region with broader objective of meeting market demands and empowering the women handloom weavers of Baghjan.



OIL in association with Office of Regional Labour Commissioner(C), Dibrugarh organised an awareness program on Labour Laws at Duliajan. The event was graced by Mr. Rameswar Teli, Hon'ble Union MoS, P&NG and L&E and senior officials from OIL and State Authorities.



Besides above, OIL has planned many initiatives which will continue throughout the celebration of *Azadi Ka Amrit Mahotsav* at its various installations. ■

Commemorating Azadi ka Amrit Mahotsav @ RINL



Atul Bhatt
CMD, RINL

Azadi ka Amrit Mahotsav Special Board

In its quest to find a suitable location to display the logo of AKAM in such a way that it is visible to many people from long distance and there is large foot fall, it was proposed to place it on the Facade available on the footover bridge of RINL Main Administration Building.

A 30' length x 5' height Board was fabricated with a 4 feet diameter round frame at the middle for displaying 'Azadi ka Amrit Mahotsav' Logo.



The Special facade was unveiled by Mr. Atul Bhatt, CMD, RINL on 1st January 2022.

In the front side of the facade, the statue of Mahatma Gandhi stands welcoming. This statue is made in-house with Cast Iron, showing the creative fervor and in-house talent of Vizag Steel collective. The statue is made of cast iron in contrary to the general practice of making the statues with bronze or brass or other metals.

Now, the facade board with 'Azadi ka Amrit Mahotsav' Logo & statue of Father of the Nation in the front lawn with tricolor flying majestically atop high mast in front of main administration building

gives a grandeur look to the RINL headquarters at Visakhapatnam.

Virangana Maharani Jhansi Lakshmi Bai Statue

RINL right from its inception has been in forefront giving the Naree Sakti, the women power its due respect and position. It was felt that an apt monument Commemorating 'Azadi ka Amrit Mahotsav' is to erect the statue of the Great Jhansi Rani, Lakshmi Bai for recalling and recognizing the wide range of sacrifices, valorous acts and leadership traits exhibited by this great women in the fight against the foreign rule.

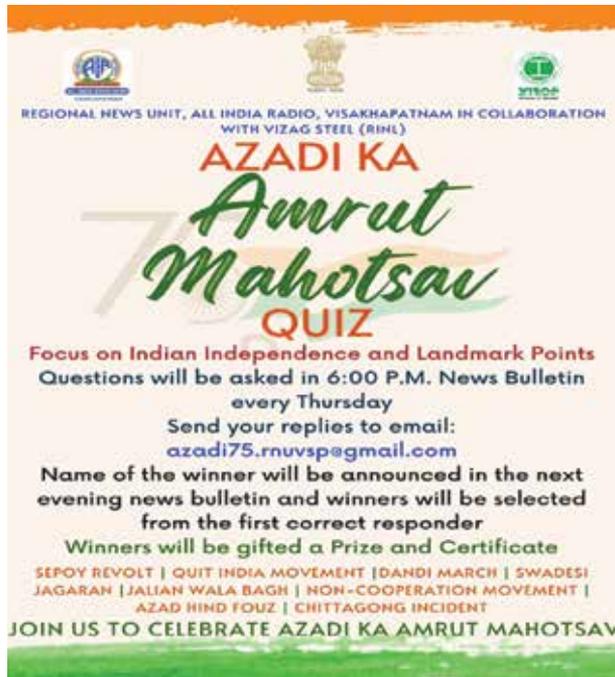
The unique five ton cast iron statue of Rani Laxmi bai made-in-house with the collective effort of RINL installed near the Visteel Mahila Samiti office. RINL collective pays tributes to the Queen of Jhansi, the Steel Lady.

The statue which stands at a busy junction in Ukkunagaram, always reminds us of the gallantry the queen had shown in the First war of Indian Independence. This makes the celebration of Azadi ka Amrit Mahotsav more emotional and more involved.



Quiz Buzz with All India Radio

A special quiz programme in association with All India Radio, Visakhapatnam Station for propagating the concept of 'Azadi ka Amrit Mahotsav' is taken up for broadcasting the quiz programme for 52 weeks focusing on Indian Independence and landmark points.



The prizes with AKAM logo for the winners, other pleasantries and social media support is being given by RINL.

Inquisitive and interesting questions are being asked for generating the zeal in people to know more and more about our Freedom Struggle, remembering the Freedom Fighters great stories thus celebrating 'Azadi ka Amrit Mahotsav' throughout the year.

Winners are being gifted with a prize and certificate. The certificates and prizes are designed in such a way that whoever holds those can feel the touch of the 'Azadi ka Amrit Mahotsav' Logo which is embossed specially. The quiz programme has been creating a pulsating buzz about AKAM among all the radio listeners in this region.

Free India Fit India

Responding to the call given by Govt. of India to make India Fit in all respects focusing on physical fitness Commemorating 'Azadi ka Amrit



Mahotsav', RINL took various measures to make it a grand success.

On 14th August 2021, RINL Visakhapatnam Steel Plant organized a "Fit India Freedom Run 2.0". The Freedom Run covered a distance of around 3 kms in Ukkunagaram with over two hundred participants.

The entire Ukkunagaram had reverberated the thumping sounds of the runners in the morning hours making it an event to memorize the great march took over by our freedom fighters in granting us the Independence.

Saplings take deep roots

On the occasion of 75th Anniversary of our Indian Independence (15th August, 2021), besides the regular activities saplings are planted as part of the Mass Plantation by the Board of Directors in commemoration of the Azadi ka Amrit Mahotsav.



The Mass Plantation activity continued at RINL on Gandhi Jayanthi (2nd October, 2021), Republic Day (26th January, 2022) and RINL's 40th Formation Day (18th February, 2022).

The green blanket developed by RINL in its surroundings occupies about 40% of the total area of the plant and the township.

A special afforestation zone is made exclusively for the Greenery. The wide variety of Flora and Fauna found here in this premises is very distinct and attracts bird lovers often.

The saplings thus planted as part of 'Azadi ka Amrit Mahotsav' take deep roots into developing an eco-friendly steel making unit.

Unique Green Initiative - Ceramic Pots

RINL is producing Quality Steel besides giving major priority to the environmental protection. Its unique stand of planting a tree for every tonne of Steel produced gave rise to a vast green blanket in the surroundings of the plant and township.



A Unique Green initiatives project which is a combination of eco-friendly measure, inventive greeting, endorsement of 'Azadi ka Amrit Mahotsav', Awareness Campaign and establishing attractive ambience is realized through Ceramic Pots carrying the logo of 'Azadi ka Amrit Mahotsav' and 'RINL' logo hot print upon them is taken up for presenting to the dignitaries with Saplings in them.

Mr. Atul Bhatt, CMD, RINL launched this Unique Green initiatives project on the occasion of New year's day i.e. on 1st January 2022.

In the place of flower boutiques and other regular greeting materials these pots with saplings are being presented making it an inventive greeting.

This helped us in endorsing and sharing the delightful moments of 'Azadi ka Amrit Mahotsav'.

The Great fight for the Indian Freedom and its Grand Journey from the Grant of Independence till date is recalled with goose bumps whenever we see the logo of 'Azadi ka Amrit Mahotsav' on these Ceramic Pots.

Advertisements & Publicity

RINL being an integrated steel making company of 7.3 Mtpa capacity with a turnover of nearly Rs. 25,000/- cr. having a marketing network of 23 branch sales offices pan India has to exchange a lot of communication internally and externally.

Given this situation, RINL has adopted the policy of including the propagation of 'Azadi ka Amrit Mahotsav' initiative at every step of its communication.

Each and every advertisement issued through print media, like Newspapers, magazines and souvenirs etc is released with the logo of 'Azadi ka Amrit Mahotsav' without fail.

The social media posts and creatives of RINL also carrying the logo of 'Azadi ka Amrit Mahotsav'.

The publicity material like banners on hoardings, pamphlets, brochures, standees and sign boards for various campaigns like COVID awareness, vaccination Drive and vigilance week etc. carry the logo & name of 'Azadi ka Amrit Mahotsav'.

As part of the major internal communications, messages carrying the logo & name of 'Azadi ka Amrit Mahotsav' on fixed boards of big sizes at prominent locations are displayed.

One on the way to plant near a cross road HTGH junction, one at Head of Works Building inside the plant, one at the Plant Main Gate, one at the Steel Plant Arch on the National Highway junction and one at Town Administration Building are some of the locations spreading the spirit of the mahotsav.

Thus at RINL Azadi ka Amrit Mahotsav

has become a part of life inspiring many souls each and every day with the elixir of inspirations of the warriors of freedom struggle; elixir of new ideas and pledges; and elixir of Aatmanirbharata. ■

SCI celebrates

Azadi Ka Amrit Mahotsav



H. K. Joshi
CMD, SCI

Seventy five years of India's independence has witnessed immense milestones in terms of nation's holistic growth and continual development. The nation has not looked behind and continued progressing towards an equitable and sustainable future for all citizens. As the country gets younger and enriched, it is important that we honour our past most sincerely by continually pursuing even greater achievements in the future.

'Azadi Ka Amrit Mahotsav' is a spirited initiative of the Government of India to honour the past. It is intended to celebrate and commemorate 75 years of independence of progressive India and the glorious history of its people, culture and achievements. Azadi Ka Amrit Mahotsav was inaugurated by Shri Narendra Modi, Hon'ble Prime Minister of India on 12th March, 2021. The celebrations started 75 weeks before our 75th anniversary of Independence and will end post a year on 15th August 2023.

This Mahotsav is a sign of commitment and dedication to the nationals who have been instrumental in the evolutionary journey of nation thus far. It also dedicates to all who hold within them

the strength and calibre to realize Prime Minister Narendra Modi's vision of India 2.0, fuelled by the spirit of Aatmanirbhar Bharat.

Ideas ensconcing the 'whole of government' approach, people's participation, our rich cultural heritage, innovations and future aspirations were implemented through vibrant, large-scale activities commemorating the 75th year of independence. As a part of this nationwide agenda, SCI has actively participated in 'Azadi Ka Amrit Mahotsav' by hosting a set of activities stated below for a resurgent, Aatmanirbhar Bharat. Some of the major activities undertaken are as follows:

Competitions were conducted for Port employees and their families in port Township.

Organizing talk on freedom fighters and a quiz on Independence Day was organized for school children under the Gajodhar Abhyudaya Prakalp with Ramkrishna Mission.

Organizing following program for employees and family welfare: Nutrition & Exercise, Yoga & Self Defence Techniques.

Organising Series of Lectures by prominent personalities

in different areas viz Self-Management, Independent India@75: Self Reliance with Integrity, etc.

Publicity campaign in the way of a weeklong quiz question series was arranged depicting the development and growth of the Nation since 1947.

Felicitation of alive Freedom Fighters in Mumbai Metropolitan Region honouring their unparalleled role in Nation's Freedom Struggle.

SCI Management visiting the vessel. During the visit, Sea-farers' well-being, contribution to nation, operational excellence & safety remained prime focus.

CSR Initiative: SCI through its CSR initiatives have also contributed towards infrastructure development and capability building in the healthcare system of the nation.

In our unwavering commitment to contribute in Nation's historic effort for Vaccine for all drive SCI organized 5 Free Vaccination camp ensuring safety & wellness for maximum no. of people in society.

Distribution of aids & appliances to needy PwDs/

Divyangjans through ALIMCO at Osmanabad.

Centralized Oxygen Plant was installed at Community Health Centre Punhana, Nuh District, Haryana to ensure adequate availability of Oxygen to the needy patients.

Shipping Corporation of India Ltd (SCI), Mumbai donated 03 nos of High end ventilators, 1000 PPE Kits, and 500 Gowns to AIIMS Bhubaneswar as a goodwill gesture.

Below are some glimpses along with the brief of the activities

Aug 13, 2021: To encourage inclusion of all in celebrating Desh ki Azadi ka Amrit Mahotsav & to motivate our Seafarers, SCI Management visited vessels namely MV Sagar Bhushan, Campbell Bay & KD Malviya. During the visit, Seafarers' well-being, their contribution to the nation, operational excellence & safety in sea remained prime focus.



Aug 15, 2021: On the occasion of 75th Independence Day, flag hoisting ceremony was organized at SCI Head Office and also on SCI vessels on 15th August, 2021. Keeping in view the current pandemic scenario, live streaming

of the event was arranged. CMD did the Flag hoisting and also addressed the employees. Seafarers from vessels joined the auspicious event through the phygital ceremony to celebrate Bharat ka Azadi ka Amrit Mahotsav.



An award distribution ceremony was also organised on the occasion of Independence Day, 2021 wherein winners of the in-house competitions, Covid Warriors and volunteers that helped SCI in steering through the pandemic times were felicitated during the event. SCI recognised the importance of Tech and Communication & launched its in-house Tech Bulletin & the Official social media accounts.

Aug 28, 2021: Along with Divinity, good health is also important. Celebrating Azadi Ka Amrit Mahotsav and SCI's Diamond Jubilee Year, 12 Yoga series were conducted by SCI WIPS (Women in Public Sector) jointly with Ambika Yog Kutir for physical, mental and emotional well-being, Cleansing body, mind and soul. Healthy living for a balanced lifestyle.



Organising Series of Lectures by prominent personalities in different areas

Coping with Stress & Bringing in Overall Well-being. Session on "Independent India @ 75: Self Reliance with Integrity" by Mr. D. Sivanandhan, Former DGP, Maharashtra.

October 2nd, 2021: The AKAM year

has coincided with the Diamond Jubilee year of SCI and thus, a grand valedictory function was organized on 2nd Oct, 2021. The function was graced by Hon'ble Minister for Ports, Shipping & Waterways and AYUSH, Mr. Sarbananda Sonowal, as the Chief Guest and Minister of State for Ports, Shipping & Waterways Mr. Shantanu Thakur, as Guest of Honour.

The pleasant evening showcased enthralling cultural programs, and launch of SCI's corporate movie and coffee table book by Hon'ble Union Minister. During the function, SCI Chennai (SCI's container vessel) was also flagged off Kandla on EXIM Trade, to support the exports target of the Honourable Prime Minister Shri Narendra Modi and overcome the challenge of shortage of containers and high freight rates.



Nov 1st to 15th, 2021: SCI observed "Swachhata Pakhwada 2021" from 1st November 2021 to 15th November 2021. During the inauguration event 'Swachhata Pledge' was administered by employees marking the commencement of "Swachhata Pakhwada 2021" in SCI. During the period various competitions viz. Slogan Writing Competition on the theme Swachh Bharat, Best out of Waste Competition on theme Swachhta Hi Seva and Mural painting Competition at SCI HO etc. were organized to promote the message of cleanliness & hygiene.

Employee creativity was showcased in the form of Mural Painting Competition with the theme "Swachh Bharat", spreading the message of Cleanliness.

Nov 26, 2021: Paperless Celebrations of Samvidhan Divas by digital reading of the Preamble. As we celebrate AKAM let's pledge to hold in high esteem & sincerely fulfil Fundamental Duties towards the Nation as enshrined in the Constitution.

Nov 30, 2021: Digital Technologies empower every function of modern Corporate Environment. To keep



employees updated with latest IT skills, an informative online session on "Human Capital Management" module was held by in-house IT Team.

Dec 6, 2021: SCI paid homage to Bharat Ratna Dr. Baba Saheb Ambedkar on 66th Mahapa-rinirvan Diwas. As chief architect of Indian Constitution his ideals & untiring efforts for Social Reforms, Equality & Inclusivity continue to inspire & guide the Nation.



Jan 21, 2022: Traditional Makar Sankranti Haldi Kumkum function organised by SCI WIPS celebrated phygittally in SCI observing the COVID protocols. CMD, SCI inaugurated the function with the theme Growth and Prosperity for SCI, its family members and all the humankind.



As part of AKAM commemorating 75 years of progressive India & glorious history of its people & achievements, SCI felicitated our valiant Freedom Fighters in Mumbai Metropolitan Region honoring their unparalleled role in Nation's Freedom Struggle.



During the last week of the year, a week long quiz question series were uploaded on twitter depicting the development of growth of the Nation since 1947.

Celebrations of International Women’s Day in SCI

SCI-WIPS Forum had organized an "International Women’s Day" function (Phygital) on 8th March, 2022 in its Auditorium. The theme of IWD 2022 was # BREAK THE BIAS.

SCI was honored by esteemed presence of Ms. Archana Ramasundaram, Hon'ble Member, Lokpal of India, as the Chief Guest for the Function. She enlightened the audience with her experiences, difficulties faced, how effectively she managed hurdles, work life balance, etc. during her entire journey of career to reach to today’s position as Member, Lokpal of India. Q&A Session was also arranged wherein diverse audience of SCI posed various questions related to her Career, Work-life Balance, Priorities, challenges faced by her in field/fraternity, gender bias, advice to young generation, professionals who are starting their career, effective ways of dealing with controversies while staying firm and committed to your views & values. She acknowledged all the questions & responded to each of the questions posed, by quoting & relating it with her real life experiences, which made the session all the more lively. The function was attended by the SCI, CMD, Directors, CVO and SCI employees. The Chief Guest joined the function virtually.



Prelude to International Women's Day 2022 under Azadi ka Amrat Mahotsav, CMD & Directors interacted with and felicitated Women Seafarers onboard SCI Tanker Swarna Ganga at JD3 MbPT acknowledging their professional contribution to Indian Shipping & encouraging them to excel further.



Organized following program for employees and family welfare

Nutrition & Exercise

For healthy lifestyle for overall well-being, which only accentuated during pandemic, an interactive virtual session "Nutrition & Exercise"

by acclaimed Nutritionist & Fitness Consultant held for SCI employees.

Self Defence Techniques

Self Defense building confidence of SCians in spirit of Azadi Ka Amrit Mahotsav: Session on Self Defence conducted in house with practical demo bringing out importance of physical and mental alertness for safety.

For the benefit of SCI employees, a Health related Virtual Session on "Metabolic Syndrome & its Prevention" by Dr. Swati Lokhandwala, AMO SCI, was held on 11th Dec' 2021 under SCI WIPS (Women in Public Sector) initiative.

SCI has celebrated the auspiciousness that this year holds, with great fervour and intends to continue celebrating the glorious past while striving for a bright future that stands on concrete pillars of Nationality, Sustainability, and Mankind. ■

Andrew Yule & Co. Ltd.

celebrates Azadi Ka Amrit Mahotsav



Sanjoy Bhattacharya
CMD, AYCL

It was on the 12th of March, 1930 that the Father of the Nation Mahatma Gandhi started his Dandi Yatra from Sabarmati Ashram for the awakening of self-reliance and self-respect amongst the people of the country.

This very date i.e. 12th March of the year 2021 was chosen by our Hon'ble Prime Minister Shri Narendra Modi to flag off the celebrations commemorating 75 years of India's Independence. The celebrations have been titled "Azadi Ka Amrit Mahotsav" and have been dedicated to the people of India who can align themselves with the vision of the Hon'ble Prime Minister for an "AatmaNirbhar Bharat".

The unveiling of "Azadi Ka Amrit Mahotsav" by the Government of India was a major initiative taken by the Government for celebrating 75 years of its Independence. The celebration enunciates the achievements of our nation which has a rich history and cultural heritage. The focus is on the Hon'ble Prime Minister's vision of India 2.0 which can be achieved through the spirit of self-reliance or "AatmaNirbhar Bharat". The Public Sector Enterprises have played an important role in the

socio-economic growth of the nation and have been actively involved in the celebrations of "Azadi Ka Amrit Mahotsav".

Our Company being an uniquely diversified PSU having interests in the Tea, Electrical and Engineering industries have made an earnest endeavor to celebrate "Azadi Ka Amrit Mahotsav" throughout the organization. The allotted week for the Company's celebration was from 10th to 16th January, 2022 and various activities were undertaken at all levels throughout the Organization to celebrate 75 years of India's Independence.

The celebration encompasses within its fold various activities viz. webinars, discourses, drawing competitions, quiz contests "Fit India" Runs, Rendering of National Anthem, cleaning and disinfection drive at the Tea Estates etc.

The theme for the first day of the Azadi Ka Amrit Mahotsav (AKAM) week i.e. 10th January, 2022 were Ideas@ 75 & Achievements@75. A webinar was held throughout the organization on "Industrial Development with Sustainability". A presentation was given by the Company's

Engineering Division on "Value Engineering". A Tree Plantation Programme was organized and approximately 500 saplings were planted at the premises of the Kalyani Works of Engineering Division. Cultural Programmes were organized at all establishments of the Company and participation of the employees was quite noteworthy.

The theme for the second day's programme was Action @75 – Swachh Bharat. A special cleaning drive was also undertaken at all establishments of AYCL. A webinar on the theme of "Swachh Bharat & Cleanliness related issues" was organized and there was active participation by the employees throughout the Organization. A Slogan writing competition on 'swachhta' was held at different locations of the Company.

"Resolve @75-Sector Specific Aspirations" was the topic for the third day i.e. 12th January, 2022. Accordingly, a webinar was organized on the topic – "Sector Specific Aspiration: Tea Industry, a vehicle for the economic development of the tribal population in Assam and West Bengal". Quite a number of executives of the Company, particularly the tea

gardens participated in the webinar. An Idea Generation challenge for tea quality improvement was organized amongst the employees of the Tea Division of the Company.

On 13th January, 2022, a Customer / Stakeholders meet was organized by the Engineering Division of the Company through a Webinar on 'Import Substitution'. The apprentices engaged in the Company took part in a competition where they could display their skills.

On the 5th day of the AKAM Week the topics which were taken up considered were "Remembering forgotten freedom fighters of Assam/Bengal" and the "Freedom Struggle Movement". A discourse was given by school teachers at the various schools of the company in its Tea estates in Assam and West Bengal. An interactive session was also held with the students which were followed by a

Quiz Contest. A Webinar was undertaken on the 'Contribution of women in the Freedom Struggle of India' at all establishments of the Company. The AKAM Film and videos on freedom struggle were screened at different locations of the Company.

On 15th January, there were two themes i.e. Ideas@75 & Action@75. A drawing competition on the theme of "Peace and Unity" was held at the tea garden schools. A Blood Donation Camp was organized at Engineering Division of the Company & a total of 53 employees donated blood.

On 16th January, the AKAM Week celebration concluded with the theme Action @75 – Swastha Bharat, Ayushman Bharat, Aarogya Bharat. As the age old saying goes that 'Health is Wealth', the focus on this day was on 'Health'. A Fit India Run was organized and employees across the organization participated

by running a good distance at their respective place by posting. Banners were displayed at several areas and placards were placed at vantage points displaying the AKAM logo. Talks on health issues were held by the in-house doctors. A Yoga session was also held in the organization which saw a lot of enthusiastic participants.

All in all, the "Azadi Ka Amrit Mahotsav" celebration was a great success which witnessed active participation by the employees throughout the organization. The mass participation by the employees and the willingness shown by them in the activities in which they participated vindicates the fact that the spirit of the nation has been re-kindled and is in alignment with the Hon'ble Prime Minister's vision of India 2.0. We are quite sure that we are not far away from the day that we will be an "Aatma Nirbhar Bharat". ■

Celebration of India's Grand Festival Azadi Ka Amrit Mahotsav @ BEML Limited



Amit Banerjee
CMD, BEML

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of independence of progressive India and the glorious history of its people, culture and achievements.

Hon'ble Prime Minister, Shri Narendra Modi inaugurated the 'Azadi Ka Amrit Mahotsav' by flagging off 'Dandi March' from Sabarmati Ashram, Ahmedabad on March 12, 2021. The celebrations started 75 weeks before our 75th anniversary of Independence and will end on August 15, 2023.

Addressing the inaugural event, Hon'ble Prime Minister dedicated the Mahotsav to Indian citizens, who have played a key role in India's progression story and have power and potential to help realise the vision of Energising India 2.0 in tandem with the Atmanirbhar Bharat campaign.

Hon'ble Prime Minister declared that the festival should encompass the glimpse of the pride of Sanatan Bharat and the glory of Modern India. He said that it should reflect the light of the spirituality of the sages along with highlighting the capabilities and strengths of our scientists depicting the magnificent journey of our Nation. He further put emphasis on 'creating a vision' for India@2047. Social and cultural events, showcasing of scientific accomplishments and technological advancements will be a part of these celebrations. It will be an attempt to highlight the contributions of not only the known but also the unacknowledged valiant freedom fighters.

To mark this unforgettable occasion the Union Government has announced a 75-week programme. The festival of 75 years of independence will not only endeavour to reflect the spirit of freedom struggle but also offer a tribute to the martyrs. It will be a pledge and resolve to build India of their dreams. The series of events organized by the Government

to commemorate the 75th anniversary of India's independence will be based on public participation and revolve around five themes- the freedom struggle, ideas, achievements, actions and resolve at 75.

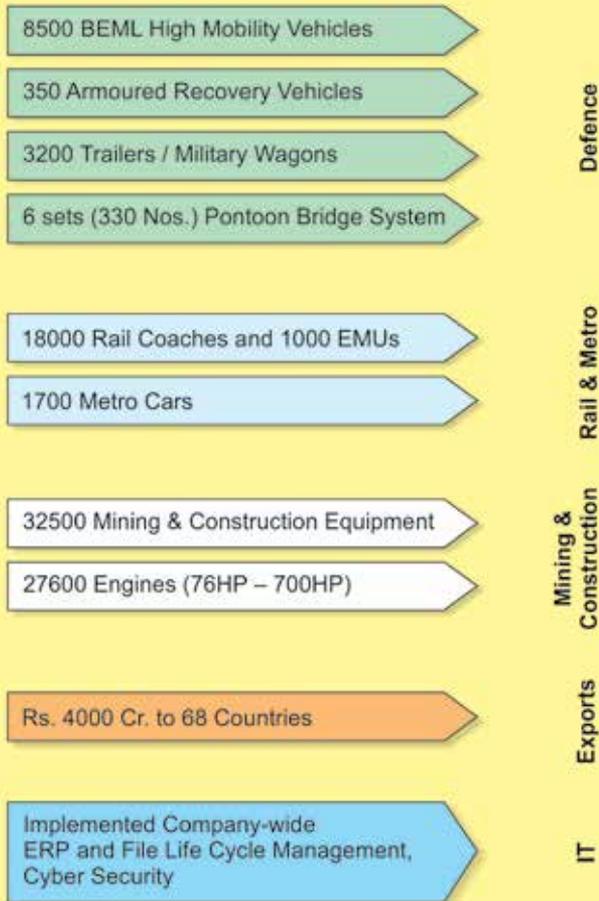
Department of Defence Production(DDP) and BEML Limited have planned various activities under 'Azadi Ka Amrit Mahotsav'.

As per the directives of DDP, BEML Limited has commenced the celebration from April 2, 2021 to mark its journey towards this grand festival. During a long week programme various activities / events viz. Release of Coffee Table Book – "Towards a Self-Reliant India", Release of Documentary Film – "BEML's contribution under CSR on Energy Conservation" and "BEML's capabilities & contribution towards India's economic growth by launching Atmanirbhar products" on BEML website and Social Media Platforms, Launch of Brochure on "BEML Product Visualization" by Industrial Design Centre , Lecture by External Faculty on "Aatmanirbhar Bharat", Webinars for 75 MSME vendors by each Complex on Indigenisation & Quality improvement in the supply chain , Debate / Slogan / Extempore Competition on "Aatmanirbhar Bharat" by various Trade Apprentices groups were organised.

The weeklong events were also planned during every quarter till August 2023. Hitherto various events were organised during the week September 17, 2021 to September 23, 2021, December 10, 2021 to December 16, 2021 and March 4, 2022 to March 10, 2022.

Celebration of the Mahotsav as a Jan-Utsav in the spirit of Jan- Bhagidari the pillars which were defined as guiding force for moving forward viz: a) Ideas at 75, b) Achievements at 75, c) Actions at 75 and d) Resolves at 75 were taken-up with clear timelines.

One of the major achievements of BEML Limited since inception i.e. Achievements @75:



Vendor registration records of Approved Vendor List (AVL) at BEML – December 2021 (Completed)

Establishment of GPS device tracking system of equipment dispatch through trailers upto customer site at BEML – January 2022(Completed)

Water Conservation through utilization of Rain Water for Coolant Emulsion Preparation - March 2022 (Completed)

Energy Conservation by installing Energy Efficient lightings– March 2022 (Completed)



The Resolve @75 has been taken up as

To design and develop emission compliant engines for Mining & Construction and Defence products

Work towards zero import

Focus on exports of High Mobility Vehicles, Aircraft towing tractor in the area of Defence and Rail coaches, EMUs, Metro Cars, Maintenance vehicles in the area of Rail & Metro business.

Design & Development of AI based products and implementation of the same on existing products

Companywide Cyber Security Compliance

The commitment @75 were taken as

Electronic data capturing of BEML High Mobility Vehicle component list and factory acceptance tests– December 2021 (Completed)

Digitization of all the documents related to existing



Further, based on the broadcast of Hon'ble Prime Minister's 'Mann ki Baat' on October 24, 2021, three activities viz. (i) Desh Bhakti Geet writing, (ii) Lori writing and, (iii) Rangoli making competitions have

been taken up for wider larger public participation across the Company.

Also, BEML Limited has organised an exhibition for the public on 'BEML Journey since 1964' from December 13, 2021 to December 19, 2021 at its four manufacturing complex premises viz Bangalore, KGF, Mysore and Palakkad (Kerala).

The Exhibition was catalogued through a visual display highlighting BEML's growth over the years and its contribution in making an 'Atmanirbhar Bharat'.

The exhibition was inaugurated by Hon'ble RM thru V.C. We have showcased our major equipment and aggregates such as Dozers, Dumpers, Heavy Duty Trucks and Ultra-Modern Metro Coach during the exhibition. Also, equipment demonstration was organized. Details of all Atmanirbhar products were explained to visitors. Arrangements were made for pickup and drop of school students.

Wide media coverage was also imparted for citizens to witness the prowess of BEML equipment. Necessary arrangements were made for all visitors. All senior officials also visited and encouraged the visitors. We are happy to share that during the period around 22000 visitors witnessed the exhibition.

Celebrations during Azadi Ka Amrit Mahotsav Week during December 13, 2021 to December 19, 2021



Exhibition Stall at Kolar Gold Field Complex.



Visitors at BEML stall.



Equipment Demonstration.



Engine Display.



Students at Stall.



General Public at Stall .



Students around manufacturing facilities.



Students around equipment demonstration.



BEML Senior Officials with students.

Further, quarterly schedule in respect of BEML Limited has been finalized and we are committed to make this festival as a grand success without leaving any stone unturned.

Wishing one and all a happy Amrut Kaal of India's glorious Independence.

Jai Hind. ■

CPCL celebrates Azadi Ka Amrit Mahotsav



Arvind Kumar
MD, CPCL

Chennai Petroleum Corporation Limited (CPCL) is in constant pursuit in recognizing the necessity of contributing to the growth of the country's both spectrum, i.e., economic and social development. With a clutch of contributions, we have not just built a company, but an organization which truly touches the life of the society. Our socio-economic contribution is not only aimed in weaving the strong fabric of a prosperous and resilient India, but also in catapulting various Government Initiatives to bring social prosperity. Retaining its legacy CPCL continues its strides in actively participating in the celebration of Azadi Ka Amrit Mahotsav, a Central Government initiative to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements.

Towards Skill development

CPCL has been addressing the challenges in meeting skills requirement in Refining sector so as to prepare the youth of India to be "Industry Ready" by creating several platforms for the Industry academia interphase. This is in line with the initiatives of Government of India for, skill development in all emerging sector. An industrial conference was organized by CPCL in hybrid mode under the

banner "Skills Development in Refining Industry and Renewable Energy Industry" in the month of April 2021. This program received an overwhelming response, around 75 participants from various industries were attended through physical and web-based participation. Eminent speakers, experts and practicing leaders from Industry like L&T, Academia from IIT Madras and Government departments participated in the panel discussion during the event. Mr. Tarun Kapoor, Secretary, Ministry of Petroleum and Natural Gas (Then during April 2021) delivered the Keynote address in the conference & highlighted the key areas which need to be discussed by the Industry and the Academia to develop the skilled workforce. During the occasion, Mr. S. M. Vaidya, Chairman, IOCL and CPCL, shared his thoughts on growth in energy sector and its effect on requirement of skilled resources. He also highlighted the various initiatives taken by IOCL and CPCL in the areas of skill development.

CPCL Polytechnic, A Place for continuous learning

CPCL considers education as the most powerful weapon as they provide a deeper knowledge and



develop functional members of society with the right kinds of values. In its continuous endeavour towards imparting knowledge and as a part of AKAM celebration, CPCL has imparted Industrial Skill training to 200 nos. of Apprentice Training under Education and Skill Development and spent ~ Rs. 200 Lakhs this year as Stipend to the trainees.

CPCL could comfortably proclaim as a pioneer in skill development, running its own polytechnic college to impart high quality industry based technical knowledge so as to develop competency skills. This polytechnic college is the first BSI Certified ISO 21001:2018 Polytechnic college in Tamil Nadu. Further, CPCL has also established and running an education trust for the benefit of the poor and needy surrounding its Refinery at Manali, Chennai.

Promoting Community Health



CPCL strongly believes that lifesaving care starts with making a generous donation. Taking AKAM celebration to its very letter & spirit, CPCL organized various social and environmental activities during this celebration. Blood donation camps were organized by CPCL, with a noble and selfless deed of donating Blood to Rajiv Gandhi Government General Hospital. The camps witnessed overwhelming participation from around 120 of our employees. To encourage this noble cause and inspire the participants, Managing Director, Mr. Arvind Kumar participated in the camp.

Aatma Nirbhar Bharat Initiatives at CPCL

Emphasising the importance of Aatma Nirbhar Bharat during this year of AKAM Celebration, CPCL has announced various initiatives to establish our country's self-Reliance.

Lube Oil Base Stock project

Our country is presently having only three units at strategic locations where lube oil base stocks are manufactured. Majority of the lube oil base stock requirements are imported which is to the tune of 79% (2019-20). To avoid India's large import of Group-II and III Lube Oil Base Stock CPCL has announced implementation of 240 KTPA Catalytic Dewaxing Unit to produce Group-II & III grade Lube Oil Base Stocks, at a project cost of ~Rs. 1100 Crore. This initiative taken at CPCL Manali Refinery will prepare the country in moving towards self-reliance in its base oil requirements.

New Grassroot Refinery at Cauvery Basin, Nagapattinam



CPCL with its parent Organization IndianOil Corporation Ltd (IOCL) has announced implementation of 9.0 MMTPA Grassroot Refinery at economically backward district of Nagapattinam in Tamil Nadu at a project cost of Rs. 31,580 Crore. This Refinery configuration was finalized with many indigenous technologies like INDMAX, OCTMAX, etc developed indigenously by IOCL R&D team to promote Aatma Nirbhar Bharat during AKAM celebration. The technologies have been thoughtfully designed to meet the premium quality fuel requirements in the markets apart from producing value added petro chemical products. Foundation stone for the project was laid by Hon'ble Prime minister on 17.02.2021. This project will not only ensure India's energy security and supply-demand balance, but will also generate huge employment opportunities and promote economic development activities in that region. The project is expected to generate employment opportunities for about 25,000 (peak) personnel during construction period

in various skill categories of the project apart from 600 nos. of manpower during the operation stage of the project.

A big leap in developing fuel for Defence sector



CPCL is the only refinery which has demonstrated its proficiency, in developing fuel for the defense sector. CPCL in close coordination with Defense Research and Development Organization (DRDO), a Research Innovation Centre (RIC), developed and produced a fuel for Hypersonic Cruise Missile, which is a Jewel in the Crown of CPCL amidst AKAM celebration. This fuel is presently being totally imported, and now CPCL producing it indigenously is a noteworthy and appreciable contribution in realizing our dream of self-reliant India.

Excellence in Procurement through GeM and MSME

Government e-Marketplace (GeM) is an initiative taken by the Government of India to run its own e-marketplace as a one-stop solution for easy procurement of consumer goods and services. GeM aims to replicate the offline market on its online platform to create an open market that brings together sellers across the board ranging from established brands to MSEs, individual suppliers, suppliers of innovative products and services, and artisans. During the year 2021-22 till Feb'22 CPCL has sourced almost 54 % of its requirement through GeM (against 25% prescribed by Ministry), which is an exemplary record, in illustrating CPCL's interest in having a transparent and efficient public procurement system.

Indian economy thrives through the means of

enterprise creation as one of the prime movers of the economy. In this direction, "Make in India" movement is integral to entrepreneurship development across the country in which the Micro, Small and Medium Enterprises (MSMEs) play a vital role for strengthening the Indian economy. To support this cause and enhance the marketability of products and services in the MSME sector- CPCL makes best possible efforts by inviting bids from MSE vendors for the applicable categories. CPCL has consistently exceeded 25% year after year for the last three years which is the minimum percentage required by CPSEs for procurement from MSE vendors/contractors including SC/ST and Women MSEs. In the next three years, CPCL plans to maximize procurement from the MSEs by way of continuously identifying MSE vendors in the manufacturing/service sectors.

Enhancing Livelihood through its Assorted product basket



CPCL is having assorted products in the product portfolio to meet the requirement of every demand and need thus being an Energy lifeline of south India. Apart from the main products line LPG, Motor Spirit, Aviation Turbine Fuel, High Speed Diesel, Naphtha, Bitumen, Lube Base Stocks, Mineral turpentine oil etc., CPCL is also manufacturing Paraffin Wax, and supplying it to small scale industries thereby enhancing livelihood of 30,000 families in the State of Tamil Nadu and neighbouring states. As a mother industry to various downstream units CPCL is also supplying products like Hexane, Petrochemical feed stocks, Sulphur and Petroleum Coke. Linear Alkyl Benzene Feedstock, Methyl ethyl Ketone feed stock etc.,

A Forerunner in developing technologies for Water conservation and saving fresh water through sewage treatment plant

CPCL has envisaged technologies for water security way back in 1987. CPCL was the forerunner to set up a 2.5 MGD city sewage reclamation plant in 1992 and further added a capacity of 2.5 MGD in 2006 which has benefited CPCL in resource front, Chemical front, pollution front and revenue front exhibiting its concern towards Waste to wealth management.



CPCL had also set up an Seawater desalination plant of capacity 5.8 MGD in 2009 at kattupalli, Tamil Nadu to meet the water requirement of the refinery complex. Expandable to 10 MGD for catering to water requirement of future projects. With the facility, CPCL is self-sufficient in meeting its water requirement.

Sowing a Green Future at CPCL

The fact that the world needs forms of renewable and clean energy is no secret. In view of sowing a green future CPCL has set up a 17.6 MW wind mill farm at Pushpathur, Dindugal Dist of Tamil



Nadu. CPCL was a forerunner and still remains unique who has set up such a facility among the peers in the Oil and Gas sector in the country. CPCL also presently has 0.27 MW Capacity Solar panel at their premises, which is being expanded to 1 MW by 2022-23.

An equal opportunity employer for gender equality



Out of all the above contributions, the prime bequest CPCL is always proud off is, to be an equal opportunity employer to women and continually remains there through conscious efforts of the management and all our employees. Women workforce in CPCL constitute to about 5% and they are recognized as an important pillar for success of an organisation and so are we focused on their professional skill development through various training programs like competency development, mid-career training, enhancing leadership capabilities etc. Women at CPCL are encouraged to take more challenging and participative leadership roles in planning, process operations at unit and management levels.

Support During COVID Pandemic

To support TN Govt. in the fight against COVID-19 pandemic, temperature-controlled Cold Chain Equipment to refrigerate the Vaccine and to distribute it safely to various Hospitals has been donated to Govt. of TN, jointly with IndianOil in the month of April 2021, at a cost of ~ Rs. 300 Lakhs.

Spreading its helping hand beyond Tamil Nadu, CPCL has extended its assistance to set up 3 numbers of 500 LPM PSA plant for Govt. Hospital in Kerala and 3 numbers of 1000 LPM PSA plant



of Govt. Hospital in Karnataka, at a cost of ~Rs. 490 Crores, to fight against COVID spread, thereby humbly serving the country when it needed the most. CPCL also joined hands with other PSUs like GAIL, ONGC, etc. in the fight against pandemic by supplying oxygen cylinders, oxygen concentrator and in running community medical centres at various places in & around Chennai and also in other state.

Relief material (i.e. Grocery items like rice, oil, sugar etc.) were provided to benefit the underprivileged, socially & economically backward people living in the North Chennai. These relief materials were provided to support the livelihood of the people who are affected due to continuous rainfall. The relief materials were handed over to the Hon'ble Member of Parliament on 12.11.2021 for distribution to the North Chennai people.

To combat the emergency situation raised during



the second wave of COVID pandemic, a make shift COVID CARE centre was set up at R&D centre in Manali Refinery premises, with continuous supply of medical oxygen from our oxygen plant. The COVID care centre with 60 bed facility and continuous supply of medical oxygen and the facility was handed over to Greater Chennai Corporation during Jun'21. The facilities were reviewed by the Commissioner, Greater Chennai Corporation, wherein he expressed his sincere compliments to CPCL in making the arrangements possible in a very short span of time.

Overall, it may be said that, CPCL under the banner of 'Azadi Ka Amrit Mahotsav' and through many of its planned activities, will empower people at every level and promote deeper inclusiveness across the nation. CPCL is utmost delighted to contribute more as an "Energy Company" and be a part of nation's growth history, promoting socio-economic development of the country. ■

Dedicated Efforts of The Cotton Corporation of India Ltd. (CCI) towards Azadi Ka Amrit Mahotsav



Pradeep Kumar Agarwal
CMD, CCI

Cotton is one of the most important commercial crops cultivated in India and is a symbol of Indian Textile Heritage. It is not just a commodity for India rather it is our culture, way of life and tradition which connects to our roots from the very beginning of human civilization. Therefore, cotton had also been a medium in the fight for India's independence and self-reliance.

Like the history of the freedom movement, the journey of 50 years of CCI is a reflection of its hard work and dedication which have proved its strength as a friend to cotton farmer and a dependable cotton supplier in the country.

After partition i.e. 1947, there was a setback to cotton area and production with transfer of large irrigated cotton areas of Punjab to Pakistan whereas the mills remained in India due to which the capacity of textile production augmented in our Country. To overcome this situation, the Cotton Corporation of India Limited (CCI) came into existence on 31st July 1970 under the administrative control of Ministry of Textiles, Government of India as a canalizing agency

for import of cotton for onward supply of the same to domestic mills. Thereafter, under National Textile Policy 1985, CCI was assigned an important function of undertaking Minimum Support Price (MSP) operations of cotton to protect the cotton farmers from distress sales in the event market prices of seed cotton fall below the MSP level.

During Covid-19 pandemic in the year 2019-20 & 2020-21 when there were no takers of farmers' cotton, CCI officials were available at more than 450 procurement centres in all the cotton growing states to safeguard the cotton farmers from distress sales. In this situation, CCI had undertaken a record procurement of around 200 lakh cotton bales under MSP operations and disbursed an amount of Rs. 62,000 crores through DBT directly into the bank accounts of 45 lakh cotton farmers. This has also ensured supply of good quality cotton to the textile industry at most competitive sale terms and rates through daily e-auction by CCI.

With the continuous support by CCI through MSP operations, economic conditions of cotton farmers improved gradually and

India has become Atmanirbhar in cotton as a net cotton surplus country where production is more than consumption.

Azadi Ka Amrit Mahotsav is a celebration of the rapid strides that India has taken in the past 75 years. Based on the inspiration of Honourable Prime Minister of India, all Department and Ministries are hosting a set of activities for a resurgent, Aatmanirbhar Bharat. Under the dynamic leadership of Mr. Piyush Goyal ji, Honourable Union Minister for Textiles, Commerce & Industry, Consumer Affairs, Food & Public Distribution, nation-wide industries are undertaking the series of events under the umbrella of "Azadi Ka Amrit Mahotsav" which will encourage to rediscover our hidden strengths and prompts us to take sincere, synergistic action to regain our rightful place in the comity of nations. Cotton and Textile Industry is also supporting for Ease of Living and Ease of Doing Business under the able guidance of Mr. Upendra Prasad Singh, Secretary (Textiles) and contributing towards economic growth of the nation while celebrating Azadi Ka Amrit Mahotsav.

CCI is celebrating 'Azadi Ka Amrit Mahotsav' in different parts of the country through its' branch offices in all the cotton growing states with great zeal and enthusiasm by conducting a variety of programmes while also maintaining COVID-19 guidelines. CCI along with its branch offices had undertaken following activities during the year 2021-22 from August 2021 to February 2022 to commemorate 75 years of India's Independence:

August 2021: In order to create awareness and making the Azadi Ka Amrit Mahotsav event people intensive, an electronic board is being displayed in corporate office to share thoughts on Independence Day theme.

September 2021: Conducted Essay Writing & Tag Line Competition in all offices of CCI to promote India's growth story in Raj Bhasha Hindi and its vital role for National Integration during struggle of Independence.

October 2021: Rashtriya Ekta Diwas (National Unity Day) was celebrated with series of activities viz, Pledge taking ceremony, Seminar/ Lecture by eminent speaker on the topic Rashtriya Ekta, Short film on the life of Sardar Vallabh Bhai Patel- The Iron Man of India, Most creative Slogan competition, Essay competition on National Unity - A tribute to India's first Home Minister and Best Poem competition on the theme Patriotic Nation.

November 2021: To communicate importance of struggle made for Independence among stakeholders, a slogan writing competition and screening of Documentary/ film on freedom movement of

India were conducted through all offices of CCI.

December 2021: To raise awareness of patriotism and independence movements by the freedom fighters/ our unsung Heroes, a short drama/skit on patriotic theme was conducted. Besides this, an employee satisfaction survey was conducted to ensure healthy work culture.

January 2022: A video conference was conducted to encourage the stakeholders for sharing their views regarding post-Independence contribution of cotton & textiles in development of the country. Video documentary was also displayed in Rajbhasha Hindi on Importance of Cotton as a medium of independence and self-reliance.

February 2022: Meditation, Yoga Practice, Talent show and team building activities were conducted on Healthy India theme to promote preventive health measures amongst stakeholders/employees to stay healthy and fit.

March 2022: A tree plantation drive conducted to contribute to make clean, green and pollution free India. Besides this, women's day was celebrated by conducting a talent competition and talk show for promoting women empowerment.

In addition, following activities are planned to be undertaken in the subsequent months till 15th August 2022:

April 2022: Social and Cultural events followed by Drawing/ Quiz Competition to encourage new generation to participate to celebrate independence.

May 2022: Health safety

awareness camps to encourage healthy lifestyle in Independent India. As part of the campaign, CCI will create awareness for immunity boosting, health safety and importance of good hygiene.

June 2022: Cleanliness campaign/ seminars to spread mass awareness on cleanliness and to encourage participation to make India clean.

July 2022: Awareness program for conservation of natural resources to encourage participation to make India green. Essay writing/Poster making focusing on various aspects of conservation and restoration of natural resources.

August 2022: Cultural programme to pay homage to unsung/ unacknowledged heroes of India's freedom struggle.

Other initiatives

Participation in cleanliness drive: three hours every week

CCI is actively participating in Swachhata Abhiyan and necessary instructions have been issued to Corporate Office and Branches of CCI for conducting cleanliness drive of three hours every week.

To ensure strict compliance, a weekly meeting is conducted for reviewing the cleanliness aspects and wherever required immediate corrective action is being taken on priority. Thus, besides maintaining the cleanliness of all the office premises and surroundings, CCI has disposed-off all unused/un-serviceable material, scrap etc, weed out all old records and repairing/replacement of old furniture as per laid down guidelines.

All CCTV cameras/ Fire Extinguishers & fire equipments/ water purifiers are being properly maintained.

To promote paperless working, E-office has been implemented and digitalization of all the files is in progress.

Promoting Natural fibre products and handicrafts

CCI is promoting cotton craft work of Mahatma Gandhi ji Sculptures made entirely of cotton by an eminent cotton sculptor in Nashik, Maharashtra, who holds a Guinness World Record for his cotton art. CCI is using these cotton sculptures for displaying in its events and as a Souvenir for Dignitaries and guests. In order to support for local textile & handicraft businesses, CCI has requested all its esteemed buyers, employees and other stakeholders under the jurisdiction of its branches as well as Corporate office to purchase of gift articles through weavers,

artisans, local & small businesses, under Vocal for Local' campaign to make India 'Aatma Nirbhar' self-reliant. These efforts are being made to strengthen efforts to preserve the indigenous craft of India on the one hand and to promote environment friendly products in the country on the other hand.

Supporting Khadi and Village Industries Commission (KVIC)

KVIC is the only statutory entity established by an act of Parliament having the right to manufacture Indian National Flags. In order to ensure the competitiveness of KVIC units, CCI is offering its cotton stock through daily e-auction at better sales terms in comparison to other mills. As KVIC units are covering their 100% requirement of raw cotton from CCI only, our national flag is being made out of cotton being supplied by CCI. Thus, it is an epitome of the patriotic fervour for CCI.

Contribution for humanity during COVID-19 pandemic:

Hospitals, among other emergency services, are the frontline in the fight against the COVID-19 pandemic. However, since the start of the pandemic, hospital facilities had experienced tremendous strain brought by the demand exceeding their capacity, forcing them to make hard choices between those who can and cannot receive treatments. The massive rise in infections in the second wave of the pandemic in the state of Maharashtra has led to the hospitals reeling under a shortage of medical oxygen and beds. In such a difficult situation, to support the efforts of Government of India to provide adequate and appropriate hospitalization services, CCI also helped the Society by providing 1.20 lakh sq. ft. area of its warehousing complex located in Navi Mumbai, Maharashtra to the State Government for setting up 1000 beds dedicated COVID Care Health Centre. ■

ECGC celebrates Azadi ka Amrit Mahotsav

Empowering Exports and Driving Growth



M. Senthilnathan
CMD, ECGC

ECGC was formed by the Government of India in 1957 with the objective of promoting exports by providing export credit insurance to exporters. In 1960, the Company began to provide credit insurance covers to commercial banks primarily to facilitate availability of working capital finance for exporters. Later, in the 1970s, ECGC started providing credit insurance covers for Project Exports (Medium and Long-Term Exports) enabling many Indian engineering and construction companies to execute overseas projects and earn valuable foreign exchange.

During this journey, ECGC has stood by the exporting community in uncertain economic and political situations in destination countries, whether it was the devaluation shock in 1960s or the Iran-Iraq war in 1980s, Asian currency problem in the late 1990s, Global Financial crisis in 2008-09 and the current crisis due to the ongoing COVID-19 pandemic. Large-scale payment failure in respect of exports is a universal fallout of all the above crises. The Company had weathered the crises and expanded its support and stabilized export credit framework in the country.

ECGC provides credit insurance covers to benefit Exporters (Policy) and Banks (ECIB – Export Credit Insurance for Banks). These products cover short-term i.e., export transactions involving payment terms of up to 360 days as well as medium and long-term/project export transactions where payments are scheduled over a longer period.

With nearly 65 years of experience, ECGC offers risk cover on exports to 239 countries. In the event of non-payment in any transaction covered by ECGC, customers are compensated by way of claim payments so that their working capital cycle remains unaffected. Thus exporters, through our products, can protect their existing markets and explore and expand in new ones. Besides this, ECGC plays a wider role in supporting exports by facilitating working capital lending by banks to exporters, especially to small exporters.

Currently, around 98% of business covered by the Company is under Short Term Exports, where the Company offers 20 products for Exporters and 11 products for Banks.

In FY21, more than 85% of around 19,000 exporters benefitted by

ECGC's covers were small exporters. Besides this, as per the RBI data, ECGC supports around 50% of export credit disbursement by banks in India. During the past few decades, ECGC's conscious underwriting and liberal claim payments have proactively supported the country's export ecosystem. In the last decade, the Company paid claims amounting to more than Rs. 7,500 crore to its customers. Even during the current pandemic, keeping in view the increased risks in international trade due to buyer failures, extended credit periods etc., ECGC provided various relief measures to support the Indian exporters. During FY 2021, the Company supported more than 28% of the merchandise exports from the country.

As of date, the Company has presence in almost all major export centers of the country and services its customers through a network of 46 Branch Offices and five Regional Offices with Registered office in Mumbai.

As a premier Export Credit Agency (ECA) of the Government, ECGC is geared to meet the challenges in providing necessary support to exporters and banks through its wide network and

expertise. The recent capital infusion into the Company will enable it to expand its cost-effective insurance coverage to export-oriented industries, particularly, the labor-intensive sectors. The underwriting capacity to cover risks will increase additionally by Rs. 88,000 crore with the risk to capital ratio of less than 20. This will enable ECGC to expand insurance cover to more than 25,000 exporters and support exports of around Rs. 5.28 lakh crore.

Azadi ka Amrit Mahotsav Celebrations

ECGC celebrated from 23rd - 25th September 2021, with the theme Vanijya Utsav: 'Azadi Ka Amrit Mahotsav', India@75. The event was organized as a part of the

Vanijya Saptah (the week from 20th - 26th September, 2021) observed by the Department of Commerce under 'Azadi Ka Amrit Mahotsav', to commemorate 75 glorious years of India's Independence.

As part of the celebrations, the Company coordinated Vanijya Utsav and Exporters Concl-ave at major export centres in various states along with the State Governments and the Department of Commerce. The theme was prominently displayed on the physical as well social media channels of the Company in its communications with its stakeholders and the general public as well.

Separately, a series of export awareness webinars were conducted by the Company for

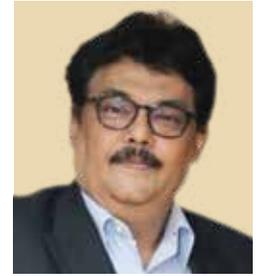
exporters on a pan-India basis, through its service network to educate and train the exporters regarding the opportunities and significance of export credit insurance in supporting exports from the country. The export awareness meetings and webinars attracted overwhelming participation from the exporters and stakeholders.

A Webinar lecture on "Significance of Dandi March in India's Independence" was organized for the employees of the company which was presided over by an eminent speaker.

In furtherance of its mission of supporting the export sector, ECGC will continue to undertake similar initiatives during the Azadi Ka Amrit Mahotsav 2022. ■

You focus on exports, We cover the risk.

Hindustan Copper focuses on improving lives



Arun Kumar Shukla
CMD, HCL

Azadi ka Amrit Mahotsav, with its multi-faceted activities to commemorate the 75 years of our independence from the British rule, will empower the citizens of our country with new opportunities, promote deeper inclusiveness across the nation, encourage art, culture, tradition, health, and much more. Fostering the true essence of Azadi Ka Amrit Mahotsav, Hindustan Copper Limited (HCL) has focused on improving lives and livelihoods by taking up several projects to enhance awareness about our rich heritage and to promote self-reliance and wellness among those staying in and around its Units and Offices.

As a Miniratna Central Public Sector Undertaking under the administrative control of the Ministry of Mines, HCL is the only Copper miner in India since 1967. The company has five units, i.e., Khetri Copper Complex in (Khetri, District-Jhunjhunu, Rajasthan), Malanjkhand Copper Project in (District-Balaghat, Madhya Pradesh), Indian Copper Complex in (Ghatsila, District-East-Singhbhum, Jharkhand), Talaja Copper Project in (Talaja, District-Raigarh, Maharashtra) and Gujarat Copper Project (in District-Bharuch, Gujarat).



Mr. Arun Kumar Shukla, CMD, HCL, Mr. Sanjay Panjiyar, Director Operations, Mr. Ghanshyam Sharma, Director Finance, interacting with the metal craftsmen.



Mr. Arun Kumar Shukla, CMD, HCL, Mr. Sanjay Panjiyar, Director Operations, Mr. Ghanshyam Sharma, Director Finance, along with the metal craftsmen from Kuilisuta Village, East Singhbhum, Jharkhand.

In observance of Azadi ka Amrit Mahotsav, HCL plans to promote micro enterprises at its Mining Units as a measure to encourage Copper usage and enhance livelihood opportunities of the metal craftsmen. Accordingly, on the Company's Foundation day on 09.11.2021, the craftsmen of Kuilisuta Village, Mosabani Block, East Singhbhum District of Jharkhand near Indian Copper Complex, were invited to display their handicrafts at HCL Corporate office in Kolkata. The Company plans to provide Copper, modern tools and support for training the artisans.





Metal artworks in display at HCL Corporate Office in Kolkata.



Ration packets given to marginalized families from Banjara community.

HCL has been supporting the deprived communities around its mining Units since long. To mark the celebration of 75th Independence Day on 15.08.2022, ration kits were distributed to families affected by leprosy at Locoline Village (in Mosabani, Jharkhand), and a 'Flour Mill' was given to a 'Children Home for Girls' at Bharuch, Gujarat. As a part of the continuous charity work organized in the HCL Units, poor families of Baigatola, Chakrawahi village of Birsa Block (in Madhya Pradesh) were provided with clothes and food materials on 21.08.2021 and ration packets were given to the marginalized families from Banjara community in Khetri, Rajasthan.

PM UjjawalaYojna 2.0 Program was organised in Malanjkh and Copper Project (MCP) on 18.09.2021, in observance of Azadi Ka Amrit Mahotsav. A Gas dealership of Hindustan Petroleum was handed over to the MCP Employees Consumer Cooperative Society which is dedicated to the welfare of the local inhabitants, in and around our mining area. Gas connections, LPG cylinders, gas stoves and other accessories were provided to the village women. Similarly, poor households of the community have been slotted to derive benefit under 'Ujjwala 2.0' initiative with the mission of ensuring fuel supply for cooking.



Ration kits distributed to poor families at Locoline Village, Mosabani, Jharkhand.



Women being given gas connections under Pradhan Mantri Ujjwala Yojana 2.0 organised at MCP.



Flour mill donated to 'Children Home for Girls' at Bharuch, Gujarat.



Women waiting for gas connections under Pradhan Mantri Ujjwala Yojana 2.0 organised at MCP

As part of Azadi Ka Amrit Mahotsav, blood donation and health camps, including those aimed at maternal and child health, are being organized in and around the mining units of HCL. To promote freedom from addiction among the locals, awareness programs on de-alcoholism are organized for the locals.

Fitness runs are organized to encourage healthy lifestyle in order to attain freedom from maladies. Yoga camps are being held, in observance of Azadi ka Amrit Mahotsav, and information on benefits and importance of Yoga is shared among employees and the community at large.



Blood donation camps.



Health camps.



To mark Azadi Ka Amrit Mahotsav, regular cleanliness drives have been organized in HCL plants, mines, offices, townships and surrounding areas. Plastic-free village drive was undertaken near the three mining Units of HCL. As part of the campaign, the rural areas were cleaned, use of cloth bag was promoted instead of plastic bags and a pledge to give up the usage of plastic was administered

among the school children to make them conscious. Programmes related to Water, Sanitation and Hygiene (WASH) components were undertaken in the mining areas of KCC and ICC, wherein awareness programmes were held on promotion of hand washing, disease prevention and personal hygiene. The students took pledge on Swachhta and were taught the proper Hand Wash Technique.



Cleanliness drives.



Students trained on proper Hand Wash technique.



Students taking pledge on Swachhta.

To strive for a clean and green environment, extensive plantation drives were carried out in HCL Units and offices. Saplings of fruit bearing trees and medicinal plants were distributed among the employees and in the community. In commemoration of Azadi Ka Amrit Mahotsav, around 700 saplings were planted by HCL employees on 12.12.2021 to showcase actions@75 with the objective of promoting clean and green environment.



Plantation of saplings.

To enhance awareness of the glorious aspects in the country's post-independence journey, cultural programmes and contests on general knowledge, speech, drawing, recitation, essay-writing, themed on patriotism and Azadi Ka Amrit Mahotsav, were organized among employees and their children. A photography exhibition was organized at HCL Units on 25.10.2021 depicting various aspects of the freedom struggle of our country, our rich Copper heritage and HCL's role in Copper production. Prabhat Pheris were conducted to spread the awareness of the Azadi Ka Amrit Mahotsav celebrations.



Prabhat Pheris in the HCL Units.



Competitions held at HCL Units and Offices.

To create consciousness among citizens about their duties and responsibilities towards the nation, webinars were being organized with all the Units and offices of HCL in audience. On the 54th Foundation Day of the Company on 09.11.2021, Dr. Mukesh Kumar Malviya, Professor at Law School of Benaras Hindu University, and Mr. Yashovardhan Azad, ex-IPS officer, former Special Director (IB), Secretary (Security), Govt. of India, and Central Information Commissioner, spoke on "Ideas @ 75" and "Actions @ 75" respectively, in observance of Azadi ka Amrit Mahotsav. On the Constitution Day on 26.11.2021, Professor Girishwar Misra, ex-VC of Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, a distinguished social scientist, educator and an eminent scholar of Psychology, deliberated on "Freedom struggle and Constitution of India" in a webinar attended by all the HCL Units and offices. On the Mahaparinirvan Diwas on 06.12.2021,

Mr. Rajiv Bhattacharya, Additional Central PF Commissioner, Kolkata, spoke on the ideas of nation building and challenges thereof with respect to the life, teachings and contribution of Dr. Ambedkar, a fearless soul who led the battle from the front.



Mr. Yashovardhan Azad, former IPS officer, addressing HCL executives on Actions@75.

India with its glorious past and a promising future has a lot to offer to the global community. The country has come a long way after breaking free from



Professor Girishwar Misra, ex-VC of Mahatma Gandhi Antarashtriya Hindi Vishwavidyalaya, speaking on "Freedom struggle and Constitution of India" in a webinar.

the colonial rule 75 years ago. The identity of being an independent nation also brings about an onus to decide our destiny in which the Public Sector Enterprises has a colossal role to play in nation building. Observance of Azadi ka Amrit Mahotsav with fervour and commitment will steer the nation in its growth path and etch a glorified future. ■

Hindustan Shipyard Ltd celebrates Azadi Ka Amrit Mahotsav



Cmde Hemant Khatri, IN (Retd)
CMD, HSL

HSL completed construction of 200 Ships and Repair of 2000 Ships during the year of Azadi Ka Amrit Mahotsav

The last of the series of four 50T BP Tugs “Balbir” built by HSL was delivered to Indian Navy on 25th Jan 2022. Also, on the Ship repairs front, HSL has completed the refit of SCI ship “Pawan” on 11th Mar 22. With these two vessels successfully delivered to the respective owners- one is the 200th ship built and the other is the 2000th ship repaired, HSL has achieved a major milestone of constructing 200 Ships and repair of 2000 ships during the year of ‘Azadi Ka Amrit Mahotsav’.



Concurrent Floating of Indigenously Built Diving Support Vessels by 15th Aug 22

HSL has won the contract for construction of two Diving Support Vessels (DSV) for Indian Navy worth Rs. 2,392.95 Cr in competitive bidding process. The vessels are concurrently being designed and built to Indian Register of Shipping (IRS) classification. These vessels are designed to a Length of 119.80 m, Breadth of 22.80 m, Draught of 6m and displacement of 8657T and are the first of the type being built in India for Indian Navy.



The DSVs with a complement of 215 personnel, are a self-sustaining platform and with an economical speed of 15 knots have blue water capability to undertake sustained operations for deep sea diving, submarine rescue operations, patrolling, conducting Search and Rescue operations and carrying out Helicopter Operations at sea. The construction has reached to a critical phase and on the special occasion of the nation celebrating ‘Azadi Ka Amrit Mahotsav’, it is planned to float out both the DSVs concurrently by 15th Aug 22 and dedicate them to the nation.

Public Exhibition Organized by HSL for Commemorating 'Azadi Ka Amrit Mahotsav'

On the occasion of the nation celebrating 'Azadi Ka Amrit Mahotsav' to commemorate 75 years of India's independence and the glorious history of its people, culture and achievements, a total of 75 Public Exhibitions have been planned by Department of Defence Production, Ministry of Defence through all Defence PSUs and erstwhile OFBs to showcase the defence capabilities of the country. Being a DPSU, Hindustan Shipyard Ltd. (HSL), has organized a Public Exhibition from 13th - 19th Dec 2021 at GV Nilayam Auditorium, HSL Colony, Visakhapatnam. Mr. Rajnath Singh, Hon'ble Raksha Mantri has launched the Public Exhibition organized by HSL and other Exhibitions at various locations simultaneously from New Delhi through virtual platform on 13th Dec 21. Dr (Smt.) TAMILISAI Soundararajan, Hon'ble Governor of Telangana & Lt Governor of Puducherry visited the HSL Exhibition on 16th Dec 21 and appreciated the exhibits displayed.



Virtual Inauguration of Public Exhibition by Mr. Rajnath Singh, Hon'ble Raksha Mantri on 13th Dec 21.



Visit of Dr. (Smt.) TAMILISAI Soundararajan, Governor of Telangana & Lt Governor of Puducherry to Public Exhibition.



Visit of School Children to Public Exhibition.

The exhibition highlighted the history of HSL since its inception and showcased models of Ships built, Submarine models, Sand Model of yard layout, Models of equipment used in Shipbuilding, Safety Appliance and fire-fighting equipment. Live fire drill demonstrations were also carried out at the Exhibition premises. Wide publicity coverage was given for the Exhibition through Print Media, Radio Jingle in Radio FM 93.5 and through Flexi Hoardings at Prominent places in Visakhapatnam. Selfie point depicting 'AKAM' logo and Visitors Book have been provided for Public Feedback. Students from around 40 Schools & Colleges visited the Exhibition and a Pen with AKAM logo has been presented as a souvenir to all the Students. There was good response from many sections of the public who have visited the Exhibition.

Inauguration of Model Room and Motivational Hall

The 75th Independence Day and 73rd Republic Day were celebrated with patriotic fervor at HSL to commemorate seventy five years of India's Independence. Commendation letters have been presented to best performing employees on both



Inauguration of Motivation Hall and Model room inside HSL.



the occasions. HSL employees have sung the National Anthem and uploaded in rastragaan.in portal. Model Room and Motivation Hall have been inaugurated inside the Shipyard for the benefit of Apprentice Trainees and students to pursue their career in Shipping and Shipbuilding Industry.

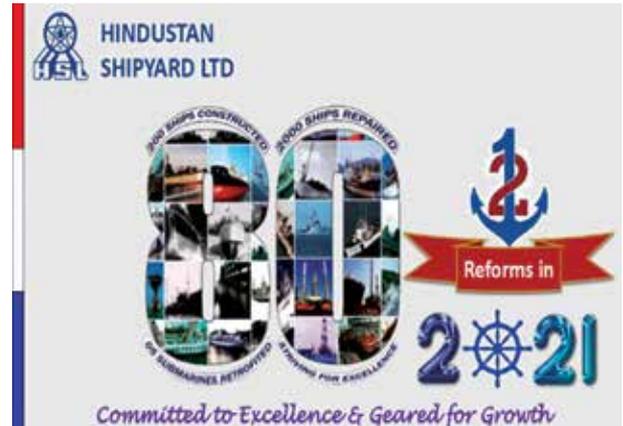
Initiatives for Enhancing Ease of Doing Business

Vendor Meet: As part of Azadi ka Amrit Mahotsav celebrations, HSL has conducted vendor meet on



Infrastructure Development opportunities at HSL in association with CII. Exclusive Vendor Meets are also conducted with MSMEs, SC/ST Vendors and Women Entrepreneurs to resolve the problems being faced by them and also enhance the vendor base and for ease of doing business.

Policy Initiatives: Various major policy refinements have been undertaken to bring about a significant change in the Shipyard’s efficiency & productivity



and some of these are issue of Materials Manual, Planning Manual, Accounts Manual, HR Manual, Maintenance Manual, Onsite Emergency Plan, HSL Standing Orders, Divisional Standing Orders, Key Result Areas 2021-22, SOPs etc. 21 reforms which are undertaken by the Shipyard during calendar year 2021 have been released in digital mode.

Business Diversification

HSL has signed MoUs with Defence Shipyards, BEL, BHEL, L&T, SBC, Naval Group for mutual cooperation for tapping domestic & export market, both in defence and non-defence sectors. To enhance the Ship Repair business, HSL has signed MoUs with SCI & DCI and entered a Rate contract with Naval Dockyard, Visakhapatnam to undertake partial refits of Naval Vessels including dry-docking.



Signing of MoU with GSL during Aero India 2021.

HSL has also entered into Tripartite Agreement with L&T Hydrocarbon Engineering and M/s Penta Energy Services Pvt. Ltd. for utilisation of Shipyard facilities.



Signing of MoU with SCI.

Skill Development Initiatives under AKAM



Capacity Building Program for senior officers at IIM, Vizag.



Signing of MoU with IIT, Tirupati for skill development in modern welding techniques.

HSL has taken up various initiatives like conducting leadership and professional training programs for improving skill set of the employees and to enhance their decision making skills, confidence levels and overall personality development. MoU has been signed with IIM, Vizag for conducting Capacity Development Programs for executives. HSL has signed a MoU with IIT, Tirupati for skill development in modern welding techniques. Mid-Career Training Programme has been introduced for executives which consists of class room lectures, PPTs, Behavioural Science in management topics by eminent external faculties, Vigilance Capsule and industrial visits (Peer Learning). The mentorship program has been introduced for improving the skill set and providing the new inductees with a Mentor who would act as philosopher and guide. ■

Azadi Ka Amrit Mahotsav by HUDCO



Kamran Rizvi (IAS)
CMD, HUDCO
Additional Secretary,
Ministry of Housing &
Urban Affairs

Housing and Urban Development Corporation Ltd. (HUDCO), was incorporated on 25th April, 1970. HUDCO has been a key partner with the Government in building assets for the Nation. In its operations, HUDCO lays a considerable emphasis on the housing need of the “deprived” that is Economically Weaker Sections (EWS) and Low Income Groups (LIG). The Corporation is having its Headquarter in the National Capital, New Delhi and its nation-wide network of Regional and Development offices across the country. The housing finance loans are classified into

social housing, residential real estate, health centre, play ground police stations, courts, jails, crematorium and retail finance. The retail finance is branded as HUDCO Niwas (collectively, “Housing Finance”).

With respect to urban infrastructure finance, loans are sanctioned for projects relating to – Water Supply, Roads and Transport, Power, Emerging Sectors, which includes SEZs (special economic zones), Industrial Infrastructure, Gas Pipelines, Oil Terminals and Telcom Sector projects, Commercial Infrastructure and others, which includes Shopping Centres,

Market Complexes, Malls-cum-Multiplexes, Hotels and Office Buildings, Social Infrastructure and Area Development and Sewerage Drainage and Solid Waste Management (collectively, Urban Infrastructure Finance”) and Smart Cities. On the occasion of 'Azadi Ka Amrit Mahotsav' (AKAM), following activities were proposed: Exhibition of HUDCO’s Financed projects scheduled from December, 2021 to June, 2022.

Plantation Drive: proposed after rainy period, however, some activities completed by our Regional Office, Raipur & Bhopal are detailed below:



Plantation Drive by Bhopal Regional Office (HUDCO).



Plantation Drive by Raipur Regional Office (HUDCO).



Video clipping of 01-02 minutes: Information/Data is being collected from our Regional Offices for preparation of Video Clipping by our PR Wing. ■

IREDA celebrates Azadi Ka Amrit Mahotsav



Pradip Kumar Das
CMD, IREDA

Indian Renewable Energy and Development Agency Ltd. (IREDA) has been organising a series of events under the clarion call of 'Azadi Ka Amrit Mahotsav' (AKAM) by the Hon'ble Prime Minister, Shri Narendra Modi to commemorate the 75th anniversary of Independence. Azadi Ka Amrit Mahotsav celebrations were inaugurated by the Hon'ble Prime Minister in March 2021 which marked a 75-week count-down to the 75th Anniversary of our independence in August 2022 and to continue a year thereafter until August 2023.

IREDA has kick-started the celebration of 'Azadi Ka Amrit Mahotsav' on 13th August 2021. As a part of 75 years of India's Independence celebration, National Anthem was sung by IREDA employees with great patriotic fervor and enthusiasm.

The 'Amrit Mahotsav' is an initiative of the Government of India dedicated to the people of India who have not only been instrumental in bringing India thus far in its evolutionary journey but also hold within them the power and potential to enable Prime Minister Modi's vision of activating India 2.0, fuelled by the spirit of Atmanirbhar Bharat. Azadi ka Amrit Mahotsav is an embodiment

of all that is progressive about India's socio-cultural, political, and economic identity. Embarking on the path of celebrations, IREDA organised various activities/events on 13th August 2021 based on a patriotic theme, viz. playing of short film; quiz competition, and Antakshari, which were attended by IREDANs with full enthusiasm and zeal. The prize winners in the quiz competitions were appreciated with mementoes. Independence Day decorations were done in IREDA office(s) in delightful tri-colour theme. IREDA Corporate office building was also illuminated in tricolour ahead of 75 years of India's Independence on August 15.

Speaking on this occasion, Mr. Pradip Kumar Das, IREDA expressed, "Our forefathers have contributed a lot to the nation, not only for independence but also for the overall development of India, from independence till date." What we are today is because of the hard work and sacrifices of our predecessors. The sacrifices of our forefathers and predecessors should spur the citizens to envision an India in 2047, when India will complete 100 years of Independence. "

IREDA's journey began in 1987 as a dedicated NBFC under MNRE for funding RE projects. IREDA, as the largest lender of RE sector has been maintaining



'Azadi Ka Amrit Mahotsav' celebrations at IREDA kick-started on 13th August 2021 by rendering the National Anthem.



IREDA Corporate Office lit up with tricolours on the occasion of the 75th Independence Day.



IREDA organised a 'Hindi Book Exhibition' at August Kranti Bhawan, Bhikaji Cama Place as part of 'Azadi Ka Amrit Mahotsav' on 24th February 2022.



Mr. Pradip Kumar Das, CMD, IREDA inaugurating 'Hindi Book Exhibition'.

its leadership position in Renewable Energy space for the past 35 years and has developed several innovative financial schemes/solutions to meet the market requirements from time to time. Just before the 75th Independence Day of the country, India has achieved a remarkable feat of installation of 100 GW Renewable Energy target well within schedule, out of which IREDA has supported a market share of 18% (approx.) of the total installed capacity. Further, the company is targeting to achieve its market share of more than 40% of RE sector debt funding by NBFCs by FY 2026 in line with the Govt. of India's target of achieving 500 GW of Renewable Energy by 2030.

CMD, IREDA has appealed to everyone to act responsibly and work hard as a team for the benefit of IREDA and the nation. The Government of India has taken various initiatives to promote Atmanirbhar Bharat. IREDA, as a nodal agency of MNRE, is successfully implementing various ambitious schemes launched by the Govt. of India like the 12,000 MW CPSU phase-II Solar Project Scheme and the Rs. 4,500 crore Production Linked Incentive (PLI) scheme for

Solar manufacturing sector, which had an outlay of Rs. 4,500 crores earlier.

IREDA made face-less sanctions for three loan applications without the borrowers visiting in-person to the office(s) of IREDA, which signified 'ease of doing business' through digital independence and good governance. Further, IREDA has made outstanding progress in digitalisation and transparency in the loan process, which renders independence to its customers from any hindrance and obstacles.



Celebration of International Women's Day under the aegis of 'Azadi Ka Amrit Mahotsav' at IREDA.



IREDA organised an interactive session addressed by Ms. Praveen Mahajan (IRS, 1976 batch), former Chairperson of the Central Board of Indirect Taxes and Customs (CBITC). She is the first woman to head CBITC and the first woman President of the All-India Tennis Association (AITA).

Azadi is freedom from all kinds of dependencies. If you are fit and healthy, you are free. If you are not fit and healthy, you are not free and you will be dependent on medicine and other support". IREDA has taken great initiatives to inculcate a spirit of health and fitness amongst employees. Independence Day is the most auspicious and important celebration for India. It is celebrated by all Indians irrespective of their caste, creed, and religion.

CMD, IREDA while concluding, greeted the employees for the successful celebration of – "Azadi Ka Amrit Mahotsav" and reiterated that IREDA is committed to take forward the Hon'ble Prime Minister's



vision of complete solarization of at least one city in each state and also participating in the "One Sun, One World, One Grid" plan.

Hindi Book Exhibition

IREDA has organised a 'Hindi Book Exhibition' at August Kranti Bhawan, Bhikaji Cama Place as part of 'Azadi Ka Amrit Mahotsav' on 24th February 2022.

The exhibition was inaugurated by Mr. Pradip Kumar Das, CMD, IREDA in the presence of Director (Technical), Mr. Chintan Shah, CVO, Ms. Manisha Saxena and other senior officers. Mr. Kumar Pal Sharma, Deputy Director (Implementation), Department of Official Language, was also present on the occasion.

In his address, the CMD IREDA reiterated the speech of the respected Prime Minister, Shri Narendra Modi, "the Azadi Amrit Mahotsav means elixir of energy of independence; elixir of inspirations of the warriors of freedom struggle; elixir of new ideas and pledges; and elixir of Atmanirbhar Bharat. Therefore, this Mahotsav is a festival of awakening of the nation; a festival of fulfilling the dream of good governance; and a festival of global peace and development." Mr. Das further said, "We should remember the sacrifices of the martyrs in the attainment of India's independence." He also said that practice of developing the reading of books by all officials would improve their performance and overall happiness.

Along with showcasing the stories of liberation warriors and the works and biographies of prominent writers, the exhibition also includes books from various publishers. The exhibition was attended by IREDA employees as well as officers from other departments at August Kranti Bhawan.

Celebration of International Women's Day

Under the "Azadi ka Amrit Mahotsav" IREDA has celebrated International Women's Day on 8th March 2022, with the felicitation of female employees and a dedication to encourage women's leadership in all work areas.

Extending his warmest wishes to all female employees, Mr. Pradip Kumar Das, CMD, IREDA, underlined, "To support the women workforce, IREDA adheres to several policies like Child Care Leave and Maternity Leave etc. The company also provides exclusive facilities to the female employees, like weekly consultations with a reputed Gynaecologist (part-time) and daily yoga sessions by the lady yoga teacher. Further, IREDA is committed to achieving gender equality in leadership roles across the organisation and boosting the percentage of women employees in the company, which currently stands at 24%." Mr. Chintan Shah, Director (Technical), Ms. Manisha Saxena, CVO, IREDA, and other senior officials also took part in the event.

IREDA is also having a committee for 'Women in Public Sector Cell (WIPS)' and an Internal complaint committee for 'Prevention of Sexual Harassment of Women at Workplace'.

Interactive sessions on "India@75: Financial Freedom for Women" and "India @75: Freedom from Medicines"

As a part of the celebration, IREDA organised an interactive session addressed by Ms. Praveen Mahajan (IRS, 1976 batch), former Chairperson of the Central Board of Indirect Taxes and Customs (CBITC). She is the first woman to head CBITC and the first woman President of the All-India Tennis Association (AITA). Ms. Mahajan shared her experiences and insights with female employees of the company. Mr. Rahul Chandaliya, Founder, Ratni Finance, interacted with the participants on "India@75: Financial Freedom for Women". Dr. Ritu & Dr. Arti from Saksham Social Welfare Society addressed the ladies on "India @75: Freedom from Medicines". Ms. Manisha Saxena, CVO, IREDA, also encouraged female employees through motivational talks.

The event, which was in continuation of the celebration of "Azadi ka Amrit Mahotsav", witnessed enthusiastic participation from the female employees. The programme ended with a cultural extravaganza by the female employees. ■

MIDHANI celebrates 'Azadi Ka Amrit Mahotsav'



Dr. Sanjay Kumar Jha
CMD, MIDHANI

Mishra Dhatu Nigam Limited (MIDHANI) is one of the few modern metallurgical plants in the world, manufacturing a wide range of critical and superalloys, commercially pure titanium and titanium alloys, special steels and stainless steels, controlled expansion alloys, heat resistance alloys, special purpose alloys, refractory metals and alloys in various mill forms using state-of-the-art production facilities. MIDHANI is playing a significant role for supplying materials to various strategic sectors like Space, Defence and energy since its inception.

MIDHANI, incorporated under the companies act as a Public sector undertaking (PSU) in November 20, 1973, was conceived to help India achieve self-reliance in the manufacture of a wide spectrum of critical and complex alloys.

MIDHANI went into commercial production at stages, starting with the powder metallurgical products in the year 1979, the integrated commercial production commenced from July 14, 1983. The manufacturing facilities of MIDHANI include some of the most sophisticated equipments. It has fully-equipped centralized laboratory which helps in maintaining high quality standards

demanded of special grade alloys.

MIDHANI is currently modernizing its facilities either to replace age old equipment or to increase capacity. Not only that, It has taken up a mission to expand and diversify its existing offerings by venturing into new territories such as wide plates, springs, armouring, metal powder etc.

MIDHANI is always on the move poised to take quantum leap, improving the "Self-Reliance Index" of the strategic sectors. Indigenization efforts at MIDHANI started with raw materials for strategic sector and today have progressed to component level, sub-assembly-level parts for critical equipment/product as well. MIDHANI has travelled a long road through many ups and downs and slowly emerged as a "National Centre for Excellence" in advanced metals and alloys.

As part of nation-wide celebrations to commemorate 75th year of country's Independence- 'Azadi Ka AmritMahotsav', MIDHANI has already organized different programs in the following formats:

- Motivational Talks
- Skill Development programs
- Career Development programs
- Webinars

- Competitions
- Online meet/ Seminars
- Exhibitions

Exhibition of MIDHANI Products for Public Display from 13-19 Dec 2021

Exhibition of MIDHANI Products for Public Display from 13-19 Dec 2021 was inaugurated virtually by Hon'ble Raksha Mantri, Govt. of India, Mr. Rajnath Singh Ji in the presence of senior officials of DDP, MoD at two locations i.e. Hyderabad, Telangana and Rohtak, Haryana along with other 73 locations and 7 curated museums to celebrate Azadi Ka Amrit Mahotsav – 75 Years of Independent India.

Dr. S. K. Jha, CMD, MIDHANI, Mr. N. Gowri Sankara Rao, Director (Finance), Dr. Upender Vennam, IPoS, CVO and other officials of MIDHANI attended the inauguration function.

MIDHANI received an overwhelming response. Around 20,000+ footfalls were recorded during the week long exhibition in Hyderabad and around 5000+ people visited the exhibition at Rohtak. At the Hyderabad Unit, Guest Lectures were organized on Metallurgical topics by eminent speakers from reputed organizations and metallurgy

background students from various engineering colleges were invited to attend it. A special session for women employees was also organized during the week. General public, local engineering/ polytechnic/ degree colleges and school students were sent invitations for walk-in visits. More than 50 colleges and more than 50 schools have visited the exhibition.

The Valedictory program of week-long public exhibition of MIDHANI products was organized on 19th December 2021 at MIDHANI. Hon'ble Governor of Telangana & Hon'ble Lt. Governor of Puducherry, Her Excellency, Dr. Tamilsai Soundararajan presided over the program as 'Chief Guest'.

While addressing MIDHANI, the Hon'ble Governor congratulated the company's varied endeavours in 'Atmanirbhar Bharat' program and she praised the indigenization efforts put in by MIDHANI. Hon'ble Governor appreciated the critical role played by MIDHANI in ensuring availability of key materials for space, defence and energy sectors to avoid dependence on foreign supplies. Her Excellency, Dr. Tamilsai Soundararajan heaped praises on MIDHANI for supplying bio-medical implants to the needy under their Corporate Social Responsibility initiatives and this specifically enthralled her as she is a doctor by profession.

Chairman & Managing Director Dr. S. K. Jha thanked the Hon'ble Governor of Telangana for accepting the invitation and taking time out of her busy schedule to visit MIDHANI. He said that "AatmaNirbharta" is the only way forward. Atmanirbhar

Bharat which translates to 'self-reliant India', is the vision of Hon'ble Prime Minister of India Shri Narendra Modi ji of making India "a bigger and more important part of the global economy", pursuing policies that are efficient, competitive and resilient. He further added that MIDHANI has supplied special metals and alloys to various national programs of space, Defence and Energy sectors. Few examples include GSLV, PSLV, Chandrayaan, Mangalyaan, Gaganyaan, Light Combat Aircraft, Kaveri Engine, Advance Ultra Super Critical Programme etc.

This was one of a kind opportunity for the people of Hyderabad to see marquee defence products displayed at a single location. This was made possible by the initiative taken by Department of Defence Production (DDP), Ministry of Defence (MoD), Government of India, by dedicating a week i.e. 13th - 19th Dec for showcasing defence products at different locations across the country by various defence establishments.

MIDHANI has plans to organize multiple events in the coming weeks as well. The detailed plan is given below:-

June, 2022

- Best out of West "India@75"
- Online vendor meet on Introduction on GeM portal for New vendors focusing on WPM, Spring, Armouring
- Webinar on IPR
- Skill development and Refresh Course for Govt. ITI Students / Ex-failed Apprentice
- Trainees - (50 Students)

- Motivational Talk to SMs to DGMs
- Inauguration: VIM 8T

August, 2022

- Webinar on AI
- Skill Development Programme for ITI Apprentice Trainees - Batch I - (50 Students)
- Essay Writing Competition on "AtmaNirbhar Bharat with reference to India@75"

November, 2022

- Webinar on 3D Printing
- Motivational Talk to JAs
- Skill Development Programme for ITI Apprentice Trainees - Batch II - (58 Students)

February, 2023

- Poem Writing/ Recitation Competition, Subject: "Patriotism"
- Opportunities for MSME & Start-ups in Midhani focusing on WPM, Spring, Armouring
- Webinar on HR policies
- Motivational Talk to JAs
- Skill Development Programme for ITI Apprentice Trainees - Batch III - (50 Students)

May, 2023

- Painting / Drawing "AatmaNirbhar Bharat with reference to India@75"
- Webinar on Special Steels
- Career Development & Communication Skill Oriented for GAT (Engineering) / TAT (Diploma) Apprentice Trainees / Ex Failed Candidates - (45 Students)
- Motivational Talk to Jr. Mgrs to Mgrs

August, 2023

- Best out of West “India@75”
- Online vendor meet on Introduction on GeM portal for New vendors focusing on WPM, Spring, Armouring
- Webinar on IPR
- Skill development and Refresh Course for Govt. ITI Students /

Ex-failed Apprentice Trainees - (50 Students)

- Motivational Talk to SMs to DGMs

MIDHANI continues to celebrate Azadi ka Amrit Mahotsav with same enthusiasm and joy. MIDHANI salutes all martyrs, soldiers and leaders of the country

who sacrificed their lives for the freedom of the Motherland. Going forward, MIDHANI strives to carry the legacy in the same spirit and takes a vow to make greater contribution in the coming years towards building a stronger and more prosperous India. ■

NEEPCO celebrates Azadi Ka Amrit Mahotsav



Vinod Kumar Singh
CMD, NEEPCO

NEEPCO has been a trusted power generation company in the North Eastern region of India and beyond since 1976, working closely with the Ministry of Power and the north eastern states to act in their best interest in tapping the enormous power potential of the region and the country.

We pride ourselves with:

- operating the largest Hydro Power Plant in N.E. Region of India
- being the only CPSU having Hydro and Thermal Power Stations in operation
- having exposure to construction & operation of Hydro projects in highly difficult and Geo-Technically sensitive terrain of N.E. Region.

As a responsible corporate citizen, NEEPCO is committed for sustainable development of the society and improving the quality of life of the communities it serves. 'Azadi Ka Amrit Mahotsav' is an opportunity for NEEPCO to further work towards achievement of its social responsibilities and various programmes and activities have been planned/completed to benefit the local people and to create awareness about the campaign initiated by the Hon'ble Prime Minister.

Azadi Ka Amrit Mahotsav Celebrations Independence Day

Independence Day was celebrated in true spirit of 'Azadi Ka Amrit Mahotsav' and programmes were organized to commemorate 75 years of progressive India and the glorious history of its people, culture and achievements. Enthusiastic rendition of the National Anthem followed the Flag Hoisting in all locations. Speeches were made about the seventy-five-year journey of our nation and the challenges ahead as we seek to achieve excellence in all fields.

Rich tributes were paid to the martyrs and the freedom fighters while exhorting employees to envision the India of tomorrow and to work towards the achievement of our goals and objectives.



Coordination Office, Guwahati.



Corporate Office, Shillong.



PHPS, Arunachal Pradesh.

Rashtriya Ekta Divas 31st October 2021

Celebration of Rashtriya Ekta Divas is an opportunity to re-affirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity, and security of our country. Unity Pledge was administered in all locations with due solemnity.



Corporate Office, Shillong, Meghalaya.

school children as part of the campaign, for the state Meghalaya, Mizoram, Tripura and Nagaland. Despite the difficulties of conducting the event in the backdrop of the pandemic, NEEPCO successfully conducted the events in all 4 allotted states with active co-operation of teachers and parents and the eager creativity of the school children.



Meghalaya.



AgGBPS, Tripura.



Nagaland.



RHPS, Arunachal Pradesh.



Mizoram.

National Campaign on Energy Conservation, 14th November 2022

The Ministry of Power, Government of India, as in previous years, launched the National Campaign on Energy Conservation 2021 in all the states and Union Territories of India, under the aegis of the BEE. NEEPCO was entrusted with the responsibility for organizing the painting competition for



Tripura.

Communal Harmony Campaign Week, 19th -25th November 2021

The Communal Harmony week was observed in all locations and Integrity Pledge was administered to all employees. During the week various competitions were organized with enthusiastic participation of employees for sensitizing employees about the need for fostering communal harmony, National integration and unity. During Flag Day, fund raising drives were also organized to raise funds for children rendered orphan or destitute in communal, caste, ethnic or terrorist violence for their education and rehabilitation through the National Foundation for Communal Harmony.



Corporate Office, Shillong.



AGBPS, Assam.



AgGBPS, Tripura.

Republic Day

This year's celebrations are significant as it is the 75th anniversary of India's independence, being observed as 'Azadi ka Amrit Mahotsav' across the country to celebrate and commemorate 75 years of independence and the glorious history of it's people, culture and achievements.



Coordination Office, Guwahati.



Coordination Office, Ujh MPP, UT of J&K.

Surya Namaskar, 14th January, 2022

During Makar Sankranti, the festival of thanks giving to Mother Nature for spreading health,

wealth and happiness around, Surya Namaskar programmes were organized to mark the holy occasion on 14th January, 2022 under Azadi Ka Amrit Mahotsav celebrations.

Emphasis was on making people aware that the practice of Surya Namaskar is an offering of gratitude and love for the life-giving energy that the Sun provides and is best practiced early in the morning before sunrise. Regular practice of Surya Namaskar will help practitioners experience many benefits such as physical and mental strength, better command over your body, calmness of the mind, balanced energies, and inner peace and is a recognized tool to make us more focused and mindful.



Educational Tours

Education is one of the focal areas of Aatmanirbhar Bharat. Educational tours provide the students with the opportunity of hands-on learning through travel. Such trips provide valuable educational opportunities away from the classroom, without using textbooks and other tools which are used in a normal school setting while also equipping students with the right frame of mind and attitude in anticipation of their future goals and prospects. Recognizing this, NEEPCO hosted a series of activities for a resurgent, Aatmanirbhar Bharat as part of the 'Azadi Ka Amrit Mahotsava'. Guided tours of our Plants were conducted in collaboration with local institutions to enable school children to get a first-hand experience and to propel them towards building a bright and self-reliant India. The programme was well appreciated and the eager participation of the students was encouraging and fulfilling.

Kopili Hydro Power Station, Assam

The Kopili Hydro Power Station, NEEPCO, Umrongso celebrated Bharat Ka Amrit Mahotsav - Celebration 75 years of Indian Independence on 25.09.2021, by organising a visit for students of

Vivekananda Kendra Vidyalaya ,Umrongso to Khandong Power Station.

17 Students (Boys & Girls), Teachers and NEEPCO Officials assembled together at 8 AM following all COVID-19 protocols and were given a briefing on safety guidelines.

The programme began by singing the National Anthem.

The students and teachers were then taken for educational tour to Khandong Dam Site, Power House and Intake.

A presentation on Hydro Power Generation was delivered followed by lunch for all the participants.

The programme concluded at 5.00 pm with a speech by Mr. Ashim Kr. Sarmah, Manager (E/M), NEEPCO, KHEP, Umrongso.



Agartala Gas Turbine Power Station, R C Nagar, Tripura

Educational Tour to Agartala Gas Turbine CC Power Station, R. C. Nagar, Tripura for school students of Rajib Gandhi High School, R. C. Nagar was organised on 15-08-2021. The Children were briefed on the importance of Power Sector. Power Point Presentation on Gas Based Power Generation was presented and a detailed tour of the Power station was facilitated and supplemented with explanation. Key Process from air intake, compression, combustion to power delivery was explained.

Tripura Gas Based Power Station, Monarchak, Tripura

An Educational Tour was also organized to Tripura Gas Based Power Station, Monarchak, Tripura for school students of Shobapur Girls School on 28-08-2021. Children were briefed on essentiality of the Power Sector and were taken to a detailed field tour of the 101 MW Power House and 5 MWp Solar Control Room, supplemented with demonstrations and explanations.



Assam Gas Based Power Station, Assam

Educational tour to the 291 MW Assam Gas Based Power Station, Bokuloni, Assam for school students of Chi Chia Bokuloni Girls' High School, Dibrugarh District, Assam was organised.

The Children were briefed on the essentiality of the Power Sector and were given a detailed tour of the Power Station on 2.10.2021.

The programme concluded with distribution of LED bulbs to students and teachers wherein benefits of Energy Saving appliances was also explained.



Entrepreneurship Awareness Programmes

According to a Report published by the United Nations in India, the North East is a "resource-rich region, with its vast expanse of fertile farmland and huge untapped human capital, has the potential to be India's most prosperous". Against this background, Entrepreneurship Awareness Programmes were organized to develop and strengthen the entrepreneurial quality, to motivate them for achievement and to enable participants to be independent, capable, promising business men.

One day Entrepreneurship Awareness programme was organised for local populace of nearby villages of Doyang HE Plant. The event was conducted in N.R.C Hall, DHPS, Doyang, Nagaland. The programme was aimed at creating awareness on schemes/methods Mushroom Cultivation,



Production technology on winter Vegetables, Financial management for Entrepreneurship. LEDs were also distributed to all the participants as a gesture of appreciation and to spread the message of Energy Conservation. The resource persons included Mr. Chonbenthung Kithan, Horticulture Inspector, Wokha. Ms. Shanchobeni Humtsoe, Horticulture Inspector, Mr. Poji District Development Officer, NABARD, Wokha. All 82 participants acknowledged the importance of holding such programmes and requested for more such programmes in future to benefit the local people.



A one day Entrepreneurship Awareness programme was organised for local populace of nearby villages of Tuirial HE Plant, Kolasib, Mizoram on 14.10.2021. The Entrepreneurship Awareness programme was conducted in Community Hall, Saipum village, Kolasib, Mizoram.

The Programme was organised with the objective of creating awareness on schemes/methods to raise capital, subsidies available on rearing Piggery, Poultry, cultivation, downstream business of Agriculture products etc. Resource Person for the programme was Mr. Issac Lalfamkima, Chief Manager, Mizoram Rural Bank, Kolasib.

Other Activities

A Capacity Building Disaster Management Programme was organized in collaboration with NDRF 12 BN, Arunachal Pradesh at KaHEP, Kimi on 22.11.2021.



One day Inhouse Training Program on Chemical Safety" was held at AGBPS on 6th Dec., 2021 to



equip the employees of the Plant about the various aspects of chemical safety, hazards and precautions to be followed during work, while handling chemical etc. During the program the importance of use of PPE's was also discussed in detail.

Audiometry test as Occupational Health check-up undertaken at KaHPS, Arunachal Pradesh on 05.01.2022 in respect of employees. ■

Active participation in Azadi ka Amrit Mahotsav

while contributing towards building an Energy Reliant India



A. K. Singh
CMD, NHPC

Hon'ble Prime Minister of India, Shri Narendra Modi on 12th March 2021 launched the 'Azadi Ka Amrit Mahotsav' (AKAM) to celebrate and commemorate 75 years of Independent India and the glorious history of its people, culture and achievements. The celebrations under 'Azadi Ka Amrit Mahotsav' shall continue till 15th August 2023. Various bodies, organizations and institutions have actively participated in this festival. Public sector has been an integral part of the Nation's growth saga and has enthusiastically participated and organized various activities/events under AKAM.

The energy sector has been instrumental in the development of the country since the beginning and the public sector enterprises (PSEs) have provided the bulk of the capacity. Hon'ble Prime Minister, Shri Narendra Modi has set the target of 50 percent share of energy from non-fossil fuels and also the 500-gigawatt (GW) renewable energy capacity before 2030.

The increased focus and importance of renewable energy has made the role of PSEs like NHPC extremely critical. All of NHPC's power generating assets and projects under construction/ planning stage are non-fossil fuel based and hence play an important role in achieving the target set by Hon'ble Prime Minister. Presently, NHPC's total installed generation capacity stands at 7071 Megawatt (MW) including 100 MW from solar and wind energy-based plants. Another 5999 MW of Hydro power capacity and 105 MW of Solar capacity is under construction. NHPC Ltd. is expanding its renewable energy portfolio and has taken up several projects under different modes, which are presently under tendering / development stage. NHPC has also set up a new, wholly owned subsidiary company "NHPC Renewable Energy Limited (NREL)", for development of Renewable Energy, Small Hydro

and Green Hydrogen based business.

NHPC has been actively contributing towards the celebration of 'Azadi ka Amrit Mahotsav' across all its locations spread across the country. These programmes have witnessed enthusiastic participation from NHPC employees as well as the local people. Jan-bhagidari is the basic premise for activities under AKAM. The local participation has nurtured positive energy helping us meet the desired objectives. The programmes are celebrated with great patriotic fervour and spirit. Activities and events under AKAM help us discover the rich culture of our country; inspiring and motivating the young generation to experience our cultural diversity, understand our rich history, feel our struggles for freedom, cherish our achievements and firm up our resolves for future. Events and activities organized by NHPC showcases its commitment for truly being a part of society in general. The events organized so far are of varied nature but with a common theme of National pride and celebrating the idea of INDIA through educational trips, competitions, awareness campaigns, cultural events, patriotic programmes, sports health and medical initiatives.

47th Raising Day of NHPC was celebrated with great enthusiasm and fervour on 7th November 2021 under the aegis of Azadi ka Amrit Mahotsav. Cultural programmes showcasing our rich heritage and unity in diversity were held. Employees and their family members along with invited dignitaries became part of the celebrations. Mr. R. K. Singh, Hon'ble Union Minister of Power and New & Renewable Energy, Government of India graced the program at NHPC Corporate Office, Faridabad as the Chief Guest. He appreciated NHPC family for the achievements in hydropower development in the last few years and also expressed his confidence that NHPC is on the way to become a 50000 MW company. CMD NHPC informed that NHPC

is increasingly becoming a completely self-reliant organization and is carrying out most of work in-house without relying on external/ foreign agencies and is thereby working under the true spirit of Atmanirbhar Bharat. A special highlight of the celebrations was an enthralling performance by renowned playback singer Padma Shri awardee Mr. Kailash Kher.



Mr. R. K. Singh, Hon'ble Cabinet Minister (Power, New & Renewable Energy) and Mr. A. K. Singh, CMD, NHPC during NHPC's 47th Raising Day celebration at its Corporate Office on 07.11.2021 under "Azadi Ka Amrit Mahotsav".

Similarly, to celebrate the season of spring, Vasant Utsav 2022 was organized at Corporate Office, Faridabad on 13th of March 2022 as a cultural event under AKAM. The underline theme of the utsav was to celebrate spring in a rural setting. Various projects and power stations also participated by putting up stalls. Folk musicians, dance troupes, children work shops, magicians put on mesmerizing performances. Padma Shri awardee Ms. Malini Awasthi enthralled the audience during the occasion while the cultural dance performance of the artists of Centre for Cultural Resources and Training, Ministry of Culture made it a memorable day for all.



NHPC celebrated Vasant Utsav 2022 on 13.03.2022.

In an another initiative under AKAM, Fit India Freedom Run 2.0, was organized at various NHPC locations. The idea behind the run was to take a pledge to build a healthy India. The campaign helped in encouraging people to take up fitness activities such as running and sports in their daily lives and to get freedom from obesity, diseases, laziness, stress and anxiety. Through this campaign, participants were encouraged to make a resolve to include physical activity of at least 30 minutes daily in their lives : "Fitness Ki Dose Aadha Ghanta Roz".



Mr. A. K. Singh, CMD, NHPC leading the 'Fit India Freedom Run 2.0' at NHPC residential Colony, Faridabad on 15.08.2021.

Many freedom fighters sacrificed their lives in the pursuit of dream of FREEDOM for the country. NHPC organized an event on 3rd January 2022 under AKAM, wherein a patriotic play based on the life of eminent freedom fighter, Chandra Shekhar Azad was staged at NHPC Corporate Office by Sankrutik Sangam, Gorakhpur. The play painted an emotional and lively picture of the struggles and hardships faced by freedom fighters and the sacrifices they made for a free country. NHPC



The play "Krantiveer Azad" based on life of the great Indian freedom fighter, Chandra Shekhar Azad being staged on 03.01.2022



CMD, NHPC along with dignitaries, senior NHPC officers and poets during Hindi Kavi Sammelan.

through this play paid its rich homage to the freedom fighters. Hindi Kavi Sammelan was organized under AKAM on 24th February 2022, where many celebrity poets from across the country recited their beautiful compositions which brought into light the richness of Hindi language and its role in integrating the country.

International Women’s Day was celebrated under Azadi ka Amrit Mahotsav with great fervour and enthusiasm at Corporate Office, Faridabad and across its various locations in the country.

At Corporate Office, 12 female employees were felicitated for their outstanding contribution in various fields. A two-day workshop was also organised from 8th to 9th March 2022 which included interactive sessions on a variety of topics dealing with women empowerment, leadership, work-life balance, financial planning etc. by leading experts.



International Women’s Day Celebration at Corporate Office, Faridabad.

AKAM has also provided a platform to inspire and motivate young generation for the greater good of the Nation. NHPC has been regularly organizing programmes to educate young minds about

hydropower by conducting visits of school children to its power stations. The programme involves local schools situated in the vicinity of the power stations and is being conducted by all NHPC power stations. Detailed information and procedures of power generation is given to the students. So far NHPC has conducted 28 School visits. Such events have been very successful and it has been decided to continue with the school visits even after the culmination of AKAM.



School children during their visit to NHPC’s Chutak Power Station, Kargil, Ladakh.

Public Awareness programmes have also been organised at many NHPC locations. These programs have witnessed healthy participation from local public, including women, senior citizen, village panchayat representatives and school students. Such programmes help in educating the public about the role of hydropower projects in the overall development of the area. Misconceptions with respect to projects are also clarified. The development of infrastructure in the vicinity of the projects is also highlighted as hydro projects are often located in remote areas of the country.



Mr. Y. K Chaubey speaking at Public Awareness Programme on 17.09.2021 organised by NHPC’s Nimmo Bazgo Power Station, Leh/Alchi (Ladakh).

Various NHPC locations organized painting competitions for school children under AKAM during the ICONIC Week (8-14 December 2021) to raise awareness about 'Energy Conservation'. Projects and power stations have also taken up activities like Medical Camp, Nukkad Nataks, Drawing, Painting & Debate Competition, Sports Tournament under AKAM.



Vad-Vivaad pratiyogita conducted at NHPC's Salal Power station.

The programmes conducted and organized by NHPC are uploaded on the website of Ministry of Culture and are given wide publicity on social media platforms like Twitter, Facebook, Instagram,



Street Play organized at NHPC's Chamera-I Power Station.

YouTube and Koo through official handles of NHPC and are being actively followed by our supporters. NHPC has conscientiously planned the AKAM activities till Aug'2023.

NHPC is striving towards making India energy rich through sustainable sources. It is continuously organizing activities under AKAM which instills a sense of pride in our fellow countrymen. These programs have helped in inspiring and motivating the young generation to come forward and take the country to its rightful place among the world's elite nations.

Jai Hind. ■

RailTel: Spearheading Digital Transformation



Puneet Chawla
CMD, RailTel

RailTel Corporation of India Ltd. (RCIL) is a 'Mini Ratna' PSU of Government of India under Ministry of Railways. RailTel began its journey in 2000 as a Signalling and Telecom arm of the National Transporter i.e. Indian Railways. Subsequently, RailTel has, by way of expansion, diversification & upgradation, has now emerged as a prominent ICT provider and one of the largest neutral telecom infrastructure providers in the country. The biggest asset of RailTel is Pan-India optic fiber network of 61000+RKM (and growing) along Railway track. The OFC network covers important towns & cities of the country and several rural areas.

In addition, RailTel also has 21000+ KM City Access network, around 11000+ Point of Presence, 1050+ telecom towers, Two Tier-III certified Data Centres at Gurugram and Secunderabad, MeitY empanelled Rail Cloud, specialized Security Operation Centre and a team of highly professionally qualified domain experts. Currently, the order book of RailTel stands at Rs. 5400+ Crore.

Service to Indian Railways

Indian Railways is hailed as the lifeline of the Nation and is an

important player in Nation building. It is one of the biggest transport infrastructures in the country providing wide scale connectivity and works as engine of growth for country's economy. RailTel has been implementing several projects for Indian Railways. The 'recent projects implemented for Railways' are:-

Station Wi-Fi Project: RailTel has also implemented a very popular project for Indian Railways to provide free High Speed Wi-Fi Internet facilities at 6100 Railway stations which is close to 100% coverage (except the halt stations) and only a few stations are left. This is one of the largest public Wi-Fi networks of the world which has turned Railway stations into Hub of digital inclusion.

Hospital Management Information System: Installation of Web based, multi-module, feature-rich Hospital Management Information System (HMIS) in all the 699 hospitals and health units of Indian Railways making them more, efficient, accountable & patient-friendly. This system has also been fully integrated with Ayushman Bharat Digital Mission.

e-office: Implementation of e-office, a paperless working project, for Indian Railways over their 216

establishments (zones/divisions/CTIs/workshops etc.). The system has 1.38 Lakh+ users over Indian Railways.

The 'important ongoing projects' under execution for Ministry of Railways are:-

Signal Modernisation: Replacing obsolete mechanical signalling by the state-of-the-art Electronic Inter-locking system at 26 Railway stations of Northern Railway Zone. 6 stations have already been commissioned.

Tunnel Communication: Installation of *State-of-the-Art* Integrated Tunnel Communication System on some crucial sections of Indian Railways aimed at safety of train operations. RailTel has got a total of 5 tunnel communication project costing Rs. 350 Crore in three Railway zones. These projects include Katra-Dharam-Banihal section of the ongoing crucial Jammu and Kashmir Rail link of Northern Railway.

Content on Demand: RailTel will provide pre-loaded multi lingual content on local servers which can be accessed on personal devices (Phone, Tablet etc.) of passengers through on train wi-fi access points in premium/mail/express/ suburban trains and Wi-Fi enabled stations pan-India,

With COD, passengers will be able to enjoy free or subscription based high quality streaming service on their personal devices during their train journey.

Railway Display Network: Installation of large format display screens at foot-over bridges, platforms, waiting rooms and concourse at railway stations under the Railway Display Network (RDN) project. It will not only provide the necessary information and social messages but also become a medium of enriched infotainment to passengers. This will also provide non-fare revenue by monetizing the foot-falls at stations.

Video Surveillance System: Installation of IP based Video Surveillance System (VSS) at 5102 stations and 14387 passenger coaches to ensure proactive high-tech security of passengers at railway stations and in trains. RailTel has already completed work at 300 stations across country. System will also have advanced facial recognition and video analytics capability.

KAVACH: RailTel intends to play a significant role in modernizing Train Control System of Indian Railways through execution of KAVACH (Train Collision Avoidance System). It is an indigenously developed Automatic Train Protection (ATP) System meant to provide protection to trains against 4 unsafe situations viz: head-on collision, rear-end collisions, jumping of red signal and over speeding caused due to human errors or limitations and equipment failures.

Broadband Services with Focus on Rural Areas

India is adopting Modern

Telecommunication, Automation & Digitalization in a very big way. The entire nation has geared up for digital delivery of services for the benefit of masses and for which reliable INTERNET connectivity is essential. Introduction of broadband INTERNET facility in rural areas will accelerate digital progress, technological advancement and improve quality of life of the people living in these areas. INTERNET will also help set up Common Service Centres which would make available services like booking of the travelling tickets (train, air, bus etc.), Aadhar Card, Voter Card, Mobile recharge, Electricity bill payment, PAN Card, Income Tax, Banking, insurance and many more.

One of the core businesses of RailTel is to provide nation-wide broadband internet services under the brand name "Railwire". It is quite popular due to its reliability and affordable tariff. The subscriber base for 'RailWire' has grown to 4.7 Lakhs+subscribers all over the country out of which more than 40% are in rural areas.

Wi-Fi at stations has also paved the way for setting up Common Service Centres (CSCs) Kiosks (stalls) called 'RailwireSaathi' at Railway Stations across India. It will help the public visiting railway stations to take advantage of various services offered by CSC at station itself. 35 CSCs have already been made operational in different stations. 200 such Kiosks in total are planned to be set up across India.

Using Points of Presence (POP) created at Railway stations, RailTel is executing a new scheme to provide broadband Internet facility in one lakh+ villages within 5 KMs distance from Railway

stations in rural areas. Till now, 14000+villages have been covered with this scheme. It is targeted for completion by March'2025. It is being implemented through various partnership models.

RailTel is also seeking partnership with different State Electricity Boards, BBNL and CSC-SPV for increasing broadband penetration.

Data Centres

RailTel has two Tier-III certified Data Centres at Gurugram and Secunderabad, MeitY empanelled RailCloud, specialized Security Operation Centre from where it offers services to its clients. To further accelerate the pace of digital transformation and efficient digital delivery in rural and semi-urban areas, RailTel has decided to create several "Edge Data Centres" in different parts of the country jointly with private partners. RailTel is proposing to establish such Edge Data Centres in the Railway premises/land across 102 locations especially Tier-2 and Tier-3 towns. This will enable RailTel to deploy IT infrastructure for 'caching' of popular contents to improve experience of "RailWire" broadband customers as cached contents will then be served locally instead of travelling long stretch of Network. The IT infrastructure for 'peering' with content players will also be deployed in these Edge Data Centres which would improve cost economics for delivery of contents. RailTel is, establishing a dedicated "Data Center" in the Visakhapatnam (Andhra Pradesh) premises of Andhra Pradesh Med Tech Zone (AMTZ), the world's first integrated medical device manufacturing hub

AMTZ. It would facilitate advanced digital health services and initiatives such as EMRA (Electronic Medical Record Alliance), Radiology imaging services, Health Digital Data Fiduciary Services etc.

Nation Building Projects

RailTel is also continuously engaged in executing mission critical projects for the Government of India viz.:

National Knowledge Network (NKN) is a revolutionary step towards creating a knowledge society without boundaries. NKN is aimed at connecting all higher centers of learning and research network. RailTel as one of the implementing agencies for NKN has so far connected 747 institutions of Higher learning such as IITs, IIMs, medical colleges, research institutions etc.

Bharatnet project intends to democratize information to improve governance and service delivery at the Panchayats. It aims to lay the incremental optical fiber cable network to connect the panchayats with respective block headquarters. Under this programme, RailTel is also one of the implementing partners. A total of 27261 KM. of optical fiber cable has been laid and over 7992 panchayats have been made service ready by RailTel as on date in the states of Gujarat, Tripura, Meghalaya, Mizoram, Arunachal Pradesh, Nagaland, Manipur and UTs of Dadar & Nagar Haveli, Daman & Diu, & Puduchery.

RailTel is also providing campus Wi-Fi facilities at 26 Central University campuses.

RailTel is playing a pivotal role in the Prime Minister Wi-Fi Access Network Interface (PM WANI)

project. The PM WANI scheme aims to increase internet connectivity across the country by implementing a decentralised system of a network of public Wi-Fi access points creating a nationwide Public Wi-Fi Ecosystem. Proliferation of broadband across the length and breadth of the country is an essential ingredient of Digital India initiative. RailTel is already a registered PDOA (Public Data Office Aggregator) and Mobile APP Service Provider under this project. PM WANI solution would be deployed across its Wi-Fi network at 6100+ Railway Stations and the solution is under testing.

Exploring new Opportunities

RailTel is exploring opportunities in new areas. In the education sector, RailTel is offering AI based Cloud platform solutions for Online Remote Proctored Examinations, Web and AI based attendance system, Smart Classroom solution, Learning Management System, ICT Lab, Virtual Lab, Aadhar Based Biometric Service for impersonation control etc. We are working on an Experiential Learning Solution which provides a virtual lab environment on RailTel cloud, allowing the students to perform various lab experiments using the industry scale applications that mimics the real-life processes.

In the health Sector, RailTel is working on provision of tele-medicine kits to Karnataka State and provision of Learning Management System & College Management System for 02 AIIMS Campuses on POC basis.

The company is working on opportunities of safe city

surveillance projects, IP based CCTV Surveillance System for Police Stations, District Courts & Sub Divisional Courts, Smart Energy Meters, Automatic Number Plate Recognition, RFID Boom Barrier based weighbridge Automation, vehicle tracking and fleet management etc.

Corporate Social Responsibility (CSR) Initiatives

RailTel is also working on various social service projects as part of its Corporate Social Responsibility (CSR) initiatives. Some of its CSR projects are as follows:-

RailTel Akansha Super-30 at Dehradun, Uttarakhand: providing free boarding, lodging and coaching to 30 students, who are talented but from economically weaker sections of society for IIT JEE and other premier institute engineering exams.

Installation of 40 KW Solar Plant at All India Federation of the Deaf (AIFD) Center, New Delhi.

Construction of Toilets in 04 schools in Nalanda, Bihar.

Environment, Sustainability & Beautification of approaching area of Delhi stations.

03 Nos. of Training Centers for cancer patients at renowned Hospitals.

Installation of Tube Well for safe drinking water in Yass affected areas in Sundarban region in West Bengal.

The company is also setting up Mobile Tele-Polyclinic on Ambulance and Self-help Groups for women in villages for making sanitary pads/napkins in Jalna district in Maharashtra.

Azadi Ka Amrit Mahotsav Events

The country is now celebrating 75 years of its independence. Bharat ki Azadi Ka Amrit Mahotsav is an initiative of the Government of India to commemorate 75 glorious years of progressive India.

RailTel has also undertaken following activities to mark the monumental occasion.

On the spot essay writing competition in Hindi on the subject of "Importance of Independence for a country. (September 2021).

Quiz competition, public speaking competition and poster making competition on the theme of 'Contribution of RailTel in the progress of India' (October 2021).

Preparation of small documentary film highlighting the 'Contribution of RailTel in the

digital transformation and development of India' (Oct. 2021).

Campaign to create awareness against corruption during the Vigilance Awareness Week (October 2021).

Essay writing competition on 'role of National heroes in the freedom struggle of India' (October 2021).

Run for Unity event with Divya Kakran as Chief Guest who is International level freestyle wrestler belonging to Indian Railways and decorated with Bharat Kesari title and Arjun Award (October 2021).

Quiz competition on 'Constitutional Democracy' on the occasion of 'India Constitution Day' (November 2021).

Poetic session on the eve of India's Republic Day (January 2022).

On The Move

The company has been a profitable entity since 2008 and is on a very sound footing with sound finances and robust infrastructure backbone. The company is constantly upgrading, expanding, diversifying and modernizing itself to serve its clients in a better way. RailTel now figures in the prestigious Fortune India 500 next list of 2022 at a rank number 124 which is an improvement of 67 positions as compared to its previous rank of 197 in the Year 2021 list. RailTel is fully geared up to fulfil Prime Minister Narendra Modi's vision of activating India 2.0 (New India) fuelled by the spirit of Digital India, Make in India & Aatmanirbhar Bharat and contribute to nation building. ■

Personalia



Mr. S. R. Narasimhan assumes charge as Chairman and Managing Director of Power System Operation Corporation Limited (POSOCO).



Mr. Sanjay Kumar assumes charge as Managing Director of Indraprastha Gas Limited (IGL).



Mr. Rajneesh Narang assumes charge as Director (Finance) of Hindustan Petroleum Corporation Limited (HPCL).



Mr. Anil Jerath assumes charge as Director (Finance) of BEML Limited.



Mr. Upinder Singh Matharu assumes charge as Director (Power) of Bharat Heavy Electricals Limited (BHEL).



Mr. Sadashiv Samantaray assumes charge as Director (Commercial) of National Aluminium Company Limited (NALCO).



Mr. Vikas Kumar assumes charge as Managing Director of Delhi Metro Rail Corporation Limited (DMRC).



Mr. Omkar Nath Gyani assumes charge as Director (Operations) of ONGC Videsh Limited (OVL).

Azadi Ka Amrit Mahotsav: Commemorating 75 years of Independence



Rajeesh Vishnoi
CMD, THDCIL

The 'Azadi Ka Amrit Mahotsav' is a flagship initiative of Government of India to commemorate 75 illustrious years of independence with its rich culture and traditions, and the glorious history of its countrymen. The initiative is intended to bring alive the stories of unsung heroes who sacrificed their life for the freedom struggle of our country to achieve independence. It also aims to celebrate the ideas and ideals that shaped our nation and showcase the spectacular journey of country's progress across different sectors & efforts being undertaken to place mother India at the highest pedestal in the emerging new world order.

Towards this end, THDC India Ltd., a premier "Mini Ratna" Public Sector Enterprise of Govt. of India, is constantly making all out efforts in every sphere of its activities and contributing significantly towards the growth and development of our country to make it prosperous and self-reliant that helps actualise the Grand Vision of "Aatmanirbhar Bharat".

Having a Vision to be a world class energy entity with commitment to environment and social values, THDCIL started on the project for development and operation of Tehri Hydro Power

Complex. Today, it has grown into a multi-project organisation with activities spread into electricity generation from different sources including Hydro, Thermal, Solar and Wind, having presence in different states as well as in neighbouring country – Bhutan. Presently, THDCIL has a portfolio of 11 projects with total capacity of 4696 MW. This includes 1587 MW under operation and 2764 MW under construction. Other projects are under various stages of development/ implementation. Apart from generating electricity, Tehri Dam is also providing 300 cusecs (162 MGD) per day to fulfil drinking water needs of approx. 40 Lakh population of Delhi and 200 cusecs (108 MGD) of drinking water per day for towns and villages of Uttar Pradesh to meet the requirement of about 30 Lakh population. Irrigation in the command area of Tehri Dam is around 8.74 Lakh. The additional agricultural output in Uttar Pradesh due to irrigation water supplied by Tehri Dam has been estimated at Rs. 1,600 Crore annually.

Being a responsible Corporate Citizen, and a firm believer of "Generating Power...Transmitting Prosperity...", THDC India Limited has undertaken

several initiatives under the banner of 'Azadi ka Amrit Mahotsav' to make it successful on a wider scale.

THDCIL's Tehri Dam is the epitome of an engineering marvel. To celebrate the commissioning of Tehri Dam and to commemorate the commercial operation of the third Unit of Tehri Powerhouse, activities were organized by the corporation as a part of Azadi Ka Amrit Mahotsav like tree plantation drives at various locations.

Our organization believes in the power of unity, togetherness, and teamwork. To engage the employees together, to create a sense of togetherness among the employees, Marathon walks for the employees were organized at the Corporate Office, Projects, and Unit offices of THDCIL as part of Azadi ka Amrit Mahotsav. Events like these not only inculcate a sense of unity among the employees but also benefits the employees by motivating them towards healthy lifestyles. Our organization has also extensively organized number of health camps and vaccination drives at corporate office and project units for internal as well as external stakeholders. Number of many such health camps have been scheduled for future also.



The welfare initiatives of the organization under the Azadi ka Amrit Mahotsav banner are in the direction of the stakeholders' sensitization towards our nation. Many internal events and competitions are being organized for all the employees of the corporation like online quiz competitions, slogan writing competitions, etc. Employees from various projects and unit offices of the corporation enthusiastically participated in the online quiz organized on the theme of "Azadi ka Amrit Mahotsav".

THDC India Limited is also marching in the direction to sensitize the external stakeholders like the general public through various events like street plays and media channels in a wider perspective. In this regard, street plays under the aegis of Azadi ka

Amrit Mahotsav have been organized by our employees at the Rishikesh and Tehri project unit. These street plays were organized on the themes "Participation of people in the journey of 75 years of independence" and "Cleanliness and Role of Swachh Bharat Abhiyan in nation-building". These plays gave a message on the role of the general public in various social issues like River Ganga cleanliness, women empowerment, and Swachh Bharat. During these plays, the stakeholders were also briefed about the importance of Swachh Bharat Abhiyan in the development and betterment of the nation.

Youth are the future of our country. To generate awareness amongst these budding young minds about the glorious achievements, cultures, traditions, and

history of our country, our organization has made numerous efforts to embrace these young minds with initiatives under the banner of Azadi ka Amrit Mahotsav. "Fit India Freedom Run" was organised on Independence Day, 15th August, 2021 for the school students to encourage a healthy lifestyle and fitness among students. To enlighten the glorious history of India's Independence and the historical significance of 'Azadi Ka Amrit Mahotsav', various events and competitions like essay writing, quiz competition, rangoli making, painting, visit to museums, etc., have been organized at various schools and colleges. A large number of students enthusiastically participated in these events. THDC India limited also organized a state-level





painting competition on Energy Conservation under the ambit of Azadi ka Amrit Mahotsav for school students in the state of Uttarakhand. This competition was organized under the aegis of the Bureau of Energy Efficiency, Ministry of Power, Government of India. The theme for the competition was 'Azadi ka Amrit Mahotsav: Energy Efficient India' and 'Azadi ka Amrit Mahotsav: Cleaner Planet'. More than 1,100 students from various schools of the state participated in the competition.

In order to provide platform for ideation and dissemination of knowledge, events like webinars, discussion forums and digital dialogue on various topics

of interests were organised as a part of Azadi ka Amrit Mahotsav initiative. Eminent experts from industry, academia, and thought leaders participated in these forums to share their perspectives on important issues related to the activities of the company.

Further to expand the reach of these initiatives under the Azadi ka Amrit Mahotsav, various media conferences and Media round tables have been organized from time to time to apprise the general public about achievements of the corporation, new initiatives like setting-up of electric-charging stations, CSR activities, and the diversification of the corporation in other areas

like wind, solar and thermal power generation.

"Azadi ka Amrit Mahotsav" is not just a celebration of 75 years of Independence but a driving force to re-inforce commitment and collective resolve to shape the destiny of India. At THDCIL, we are committed to the cause of "AatmaNirbhar Bharat" and relentlessly working to support the efforts of Government of India towards achieving this objective. The initiatives and programmes under Aazadi Ka Amrit Mahotsav are like beads of nationalism in a thread that embraces the heart of every citizen. Our glorious culture and history will continue to motivate us towards the path of sustainable development for a better future. ■

MDL celebrates Azadi Ka Amrit Mahotsav



VAdm Narayan Prasad
AVSM, NM, IN (Retd.)
CMD, MDL

In the words of Bertrand Russell, “Those who passed through that valley of darkness emerge at last into a country of unearthly beauty...”. The ghastly shadow of pandemic is gradually receding and the nation is re-bouncing with the high-growth trajectory of estimated 9.2% growth rate in the current financial year, which is highest among all the large economies...

The Inception

Mazagon Dock Shipbuilders Limited is the oldest shipyard in India with inception in 1774, incorporated in 1934, and taken over by the Government of India in 1960. MDL is the only shipyard in India to have built Destroyers and two different types of Submarines for the Indian Navy with its facilities located in Mumbai and Nhava and thus MDL is also one of the unique shipyards in the world with such diverse range of products. From the time it was taken over by the Government of India in 1960, MDL has built 799 vessels, including 26 capital warships and 6 conventional submarines. MDL has the capacity to build warships, submarines, merchant ships up to 40,000 DWT.

To keep up with changing times, Mazagon Dock has modernized

its facilities to undertake modular construction by investing in a 300 - tonne Goliath crane, Module Shop with a retractable roof, a second wet basin, a Training Centre and a Submarine Assembly Workshop for a second line of submarines.

With the enhanced infrastructure, now, MDL has the capacity to simultaneously construct 10 warships and 11 submarines.

Vision of Make in India/ AatmaNirbhar Bharat

In line with the broader vision of ‘Make in India’ and ‘AatmaNirbhar Bharat’ by Government of India, Mazagon Dock has set-up a dedicated Department of Indigenisation in Oct 2015 to boost and strengthen the indigenisation effort and to provide focused impetus to the Hon’ble Prime Minister’s vision of self-reliant India in Defence sector.

Indigenous warship building has been a distinct success story in MDL’s attempt to be self-reliant in Defence. Today the country is capable of building Destroyers, Frigates, Corvettes as well as strategic submarines. Indigenous contents have steadily increased in these construction programs and presently it is pegged at 72-75%. More can be done in this

direction by a collaborative approach amongst all stakeholders.

MDL has indigenised 20 items/equipment which if procured from indigenised sources would result in considerable savings in Foreign Currency. Currently indigenisation of 09 major items/equipment through Indian Industries is in progress. Out of 09 items, 02 items are being indigenised under MAKE II process.

Azadi Ka Amrit Mahotsav (AKAM)

AKAM is an initiative to commemorate 75 years of free India. It celebrates the glorious history of its people, culture, and achievements. It is an embodiment of all that we are proud of about India’s socio-cultural, political, and economic identity.

Under the aegis of ‘Azadi Ka Amrit Mahotsav (AKAM)’ initiative by Government of India, all the DPSUs, DGQA and DGAQA were requested to open its public sites at 75 locations and curated museums at 07 places from 13 Dec to 19 Dec 2021 for public. Therefore, in sync with AKAM, MDL too, had opened its Heritage Gallery ‘Dharohar’ along with the Heritage Walk for public exhibition. Numerous schools, colleges, reputed libraries and

luminaries from esteemed societies of Mumbai were cordially invited for the same. The seven-day event registered the footfalls of rank and file in decent numbers. The overwhelming response of people from all walks of life made the event, a huge success.

The MDL's Heritage Gallery – Dharohar was inaugurated by Hon'ble Raksha Mantri Shri Rajnath Singh on 28 Sept '19 showcasing the rich history of MDL from 1774 till date. It also encapsulates the maritime history of India and portrays the development of Mumbai from 7 islands to the current city of Mumbai. The gallery which was setup in 2015 was upgraded and renovated in 2019 also has a section on family history of the Wadia master builders of the Bombay Dockyard who have built notable ships like the HMS Minden, HMS Cornwallis and HMS Trincomalee. Cut section of a sail ship and a scaled model of HMS Minden- the ship on which the national anthem of USA was

penned down- kept in the gallery shows the craftsmanship of MDL workmen.

The gallery also depicts the history of the Company under the ownership of Peninsular & Oriental Steam Navigation Company and British India Steam Navigation Company. The technology advancement has also been captured in the information on marine propulsion systems which are in the centre of the gallery. The aesthetic display of ship and submarine models shows the entire portfolio of MDL's products post nationalization. The gallery also showcases the skilled workforce like the Chinese fitters and Pathan riveters to the current workmen who build warships and submarines.

The experience center shows the evolution of shipbuilding in Mumbai from making sail ships to the most complex submarines and its vision for the future during the era of Artificial Intelligence and Industry 4.0.

Vision Ahead

Indigenous defence production is the key to achieving the country's aim to become a USD 5 trillion economy. Government is striving to achieve the goal by implementing key flagship programmes like AatmaNirbhar Bharat.

To spell out MDL's futuristic prospects, MDL has been short-listed as one of the partners for Project-75(I) – Construction of 6 Nos. conventional Submarines fitted with AIP and Lithium Ion batteries. The project is currently at RFP stage. MDL is also a strong contender for six in Nos. Next Generation Destroyer which is pegged at Rs. 50000 Cr.

Further, on the export front, MDL has in the past exported 243 vessels to various international clients. MDL has approached potential clients in friendly countries for MDL designed ship for export market and has been carrying out promotional activities in various geographical location. ■

IRFC leading infra growth story in Indian Railways



Amitabh Banerjee
CMD, IRFC

Indian Railway Finance Corporation (IRFC) is a Schedule 'A'/Miniratna Public Sector Enterprise under administrative control of Ministry of Railways, Government of India. The company was set up in December 1986 for mobilizing funds from domestic and overseas markets to meet the pre-dominant portion of Extra Budgetary Resources requirement of Indian Railways.

As the whole country is submerged in the colours of 'Azadi Ka Amrit Mahotsav' celebrating its glorious history, IRFC takes pride in being a partner in the growth story of Indian Railways and the nation.

The festival celebrates the rapid strides that India has taken in the past 75 years and encourages us to rediscover our hidden strengths to make India self-reliant. This Mahotsav celebrates the people and organizations which hold within them the power and potential to enable achieving Hon'ble PM's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat.

Committed to Government of India's vision of Aatmanirbhar Bharat, IRFC has been consistently supporting the growth,

expansion and modernization of Indian Railways through funding of railway projects and capacity enhancement works. This is evident from the fact that the cumulative funding to Indian Railway sector has crossed Rs. 5.50 lakh crore mark at the end of FY 2021-22.

As part of the Azadi Ka Amrit Mahotsav celebrations, IRFC in collaboration with SCOPE and DPE would be taking part in different activities including plantation drives, exhibitions, conclaves and other initiatives.

Being true to the spirit of Aatmanirbhar Bharat, IRFC has been playing a pivotal role in overall growth of Indian Railways by consistently supporting the expansion and upgradation of infrastructure of Indian Railways through funding of rolling stock/railway projects and capacity enhancement works. IRFC has also been supporting the Indian Railways in achieving its bigger plan of 100% electrification by 2024 and net zero carbon emission network by 2030.

Since inception, IRFC has funded acquisition of 12,341 locomotives, 69,345 passenger coaches and 2,51,191 freight wagons. Our focused approach to supporting

the expansion and modernisation of Indian Railways keeps us perfectly poised to make Indian Railways future-ready.

The annual borrowing target mandated by Ministry of Railways has registered an exponential growth with the target reaching Rs. 1.04 lakh crore in 2020-21 as against Rs. 11,000 crore in 2014-15, which is an increase of about 10 times.

Correspondingly, the funding by IRFC has grown exponentially and it has reached to the order of Rs. 3.55 lakh crore during the last 6 years constituting about 66% of the total disbursement made since inception.

The Asset Under Management has registered a tremendous growth and has reached a level of approx. Rs. 4,25,000 crore at the end of FY 2021-22. The net worth has reached the level of Rs. 39,504.67 crore at the end of 31st December 2021.

Meanwhile, during the nine-month period ended 31st December 2021, the company posted revenue from operations at Rs. 14,368 crore and PAT at Rs. 4,597 crore showing a growth of 27% and 57% over the corresponding period respectively.

The compounded annual growth rates of Revenue from Operations, Profit After Tax, Assets Under Management, and Net Worth over the last 5 years are approx. 16%, 39.08%, 33% and 23% respectively.

IRFC successfully completed its IPO and listing of equity shares in January 2021. Post IPO, the company has performed exceptionally well on all fronts and it has lived up to the expectations of its parent ministry and all its stakeholders.

Pertinent to mention that IRFC has recently raised USD 500 million 144A/Reg S Green Offshore Bonds and became the first CPSE in the country to list its offshore bonds exclusively at Indian stock exchanges established in the GIFT City, Gandhinagar.

Besides being a contributor in making Indian Railways future-ready, IRFC also strives to remain a responsible corporate-entity, and cognizant of its responsibility towards its contribution to the society, beyond its usual business.

IRFC understands its duty as well as utilises the opportunity

to contribute to the society in a meaningful manner and has therefore formulated a robust 'CSR and Sustainability Policy'.

Some of its major CSR initiatives include construction of 230 toilets across India towards Swachh Bharat Mission; contribution to Armed Forces Flag Day Fund and a slew of other key initiatives.

The company is constantly diversifying its borrowing portfolio to adequately support the endeavours of Indian Railways, year after year. IRFC is considered the best credit in the domestic capital market which has enabled it to raise funds consistently at 35 to 40 bps lower as compared to other entities in the same ecosystem. The cost advantage derived by IRFC vis-à-vis its peers in overseas financial markets is in the range of 60 to 65 bps.

IRFC is also exploring options to diversify its lending portfolio and other avenues where we can finance other infra projects which are having backward and forward linkage with Indian Railways in the government/private sector with proper techno-commercial

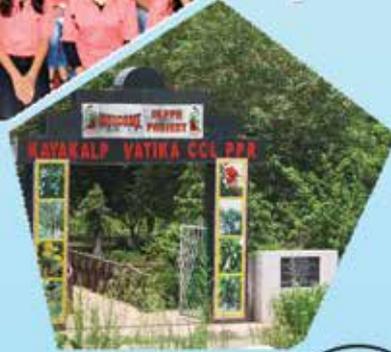
due diligence and with adequate security mechanism.

Since, we have the inherent strength and advantage of raising funds at very competitive rates, we would like to leverage the same to our advantage towards efficient and effective diversification of lending portfolio.

The cost competitiveness of IRFC can be attributed primarily to the best possible rating accorded to it by the prominent domestic as well as international credit rating agencies. The company has been consistently graded 'Excellent' by the Department of Public Enterprises for its performance vis-à-vis the targets set out in the Memorandum of Understanding executed with Ministry of Railways, Government of India.

In order to achieve the objective of making the celebrations of India@75 - a grand success, IRFC would take up a slew of activities encompassing the length and breadth of the country. IRFC considers it an opportunity and a responsibility to add colours and flavours to this national festival. ■





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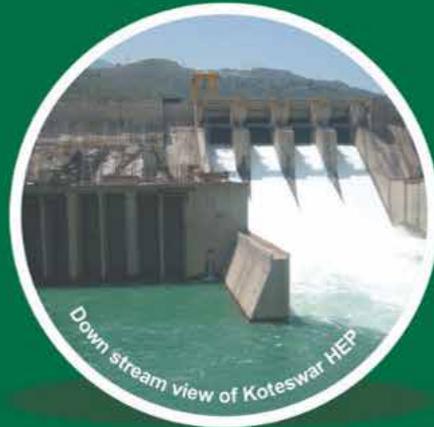
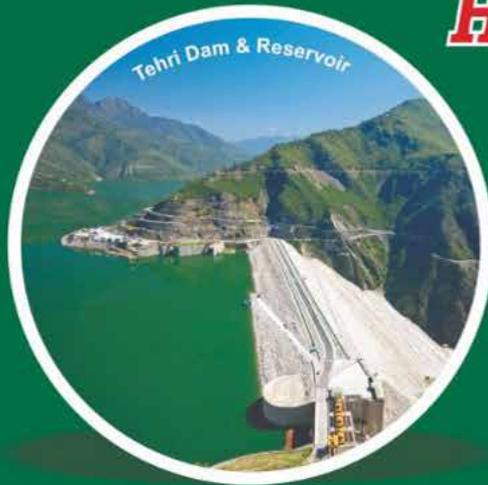
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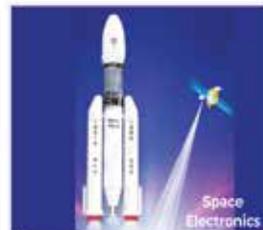
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प्रीफैब्रिकेटेड हाउसिंग



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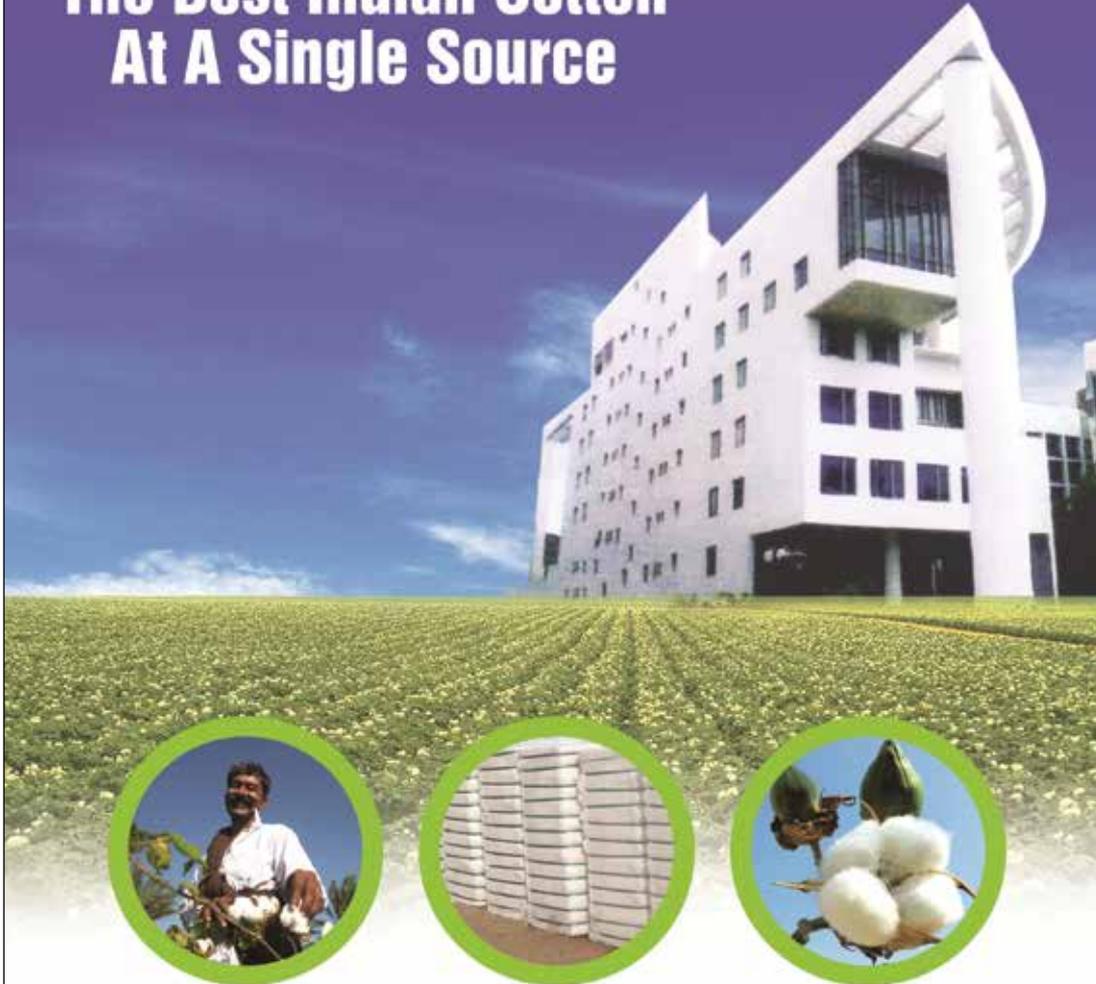
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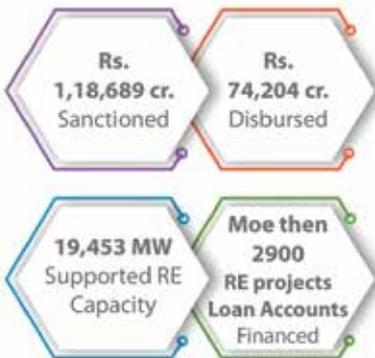
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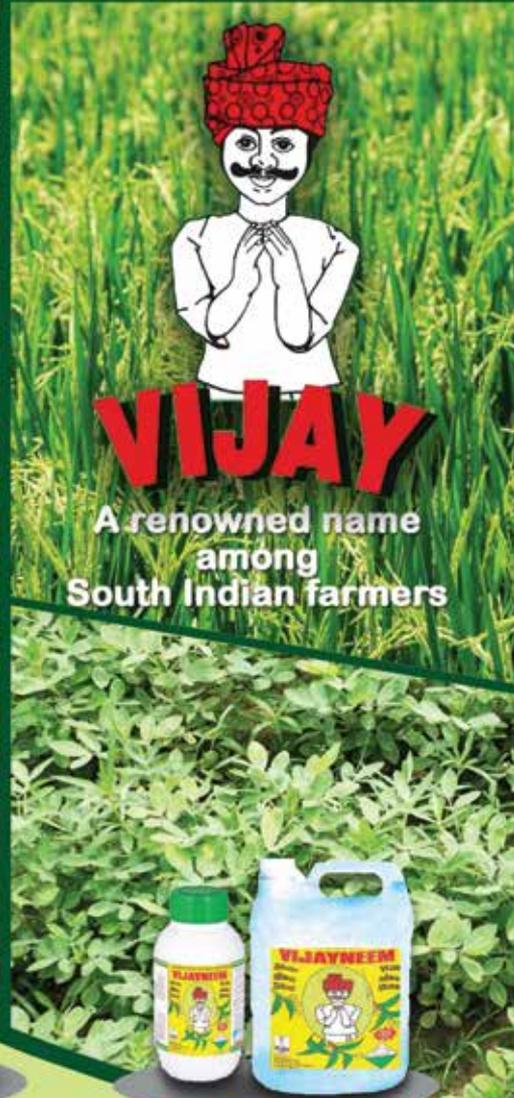
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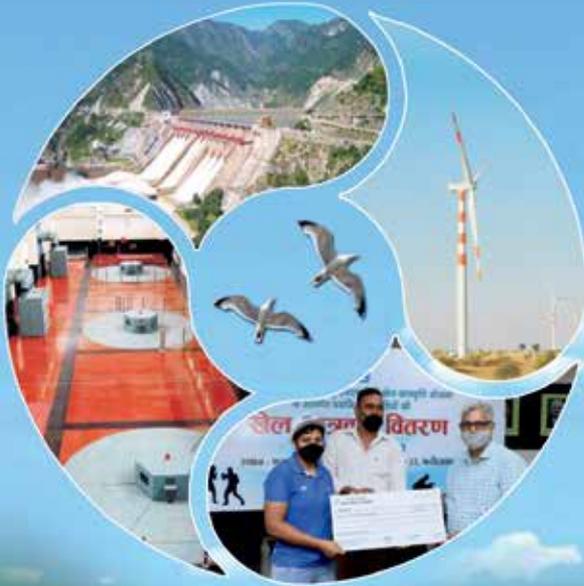


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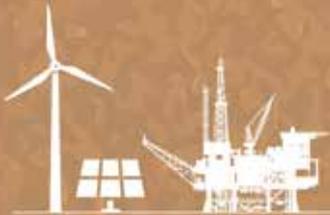
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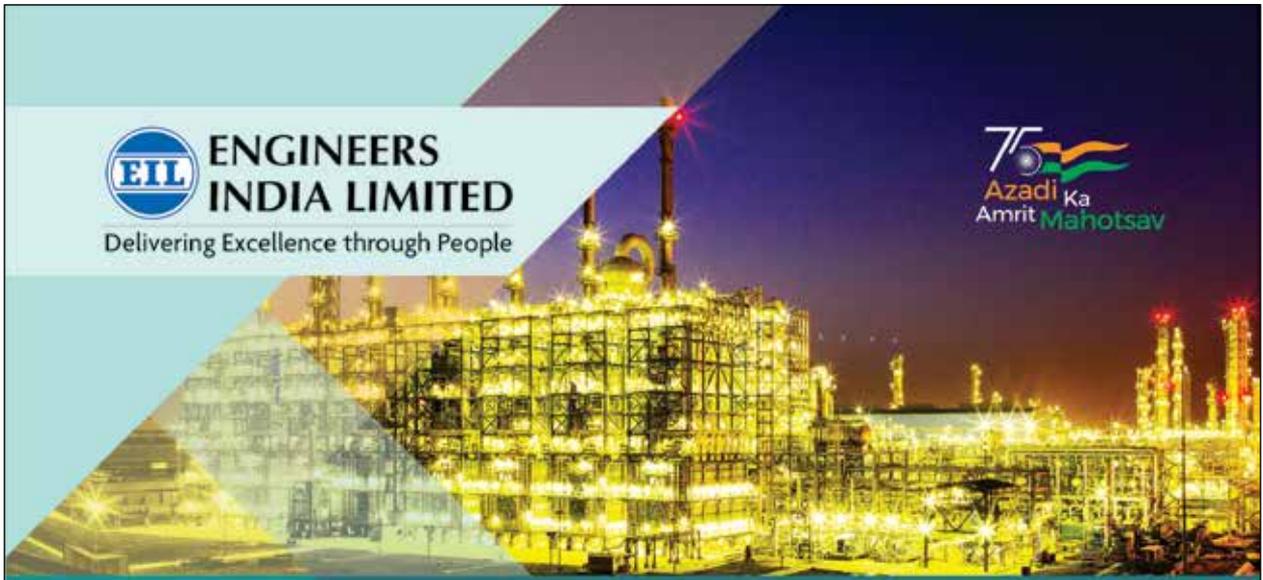
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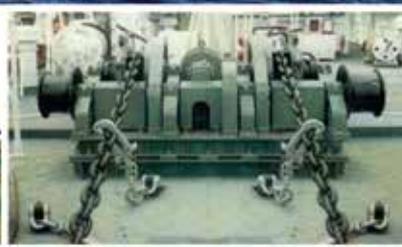
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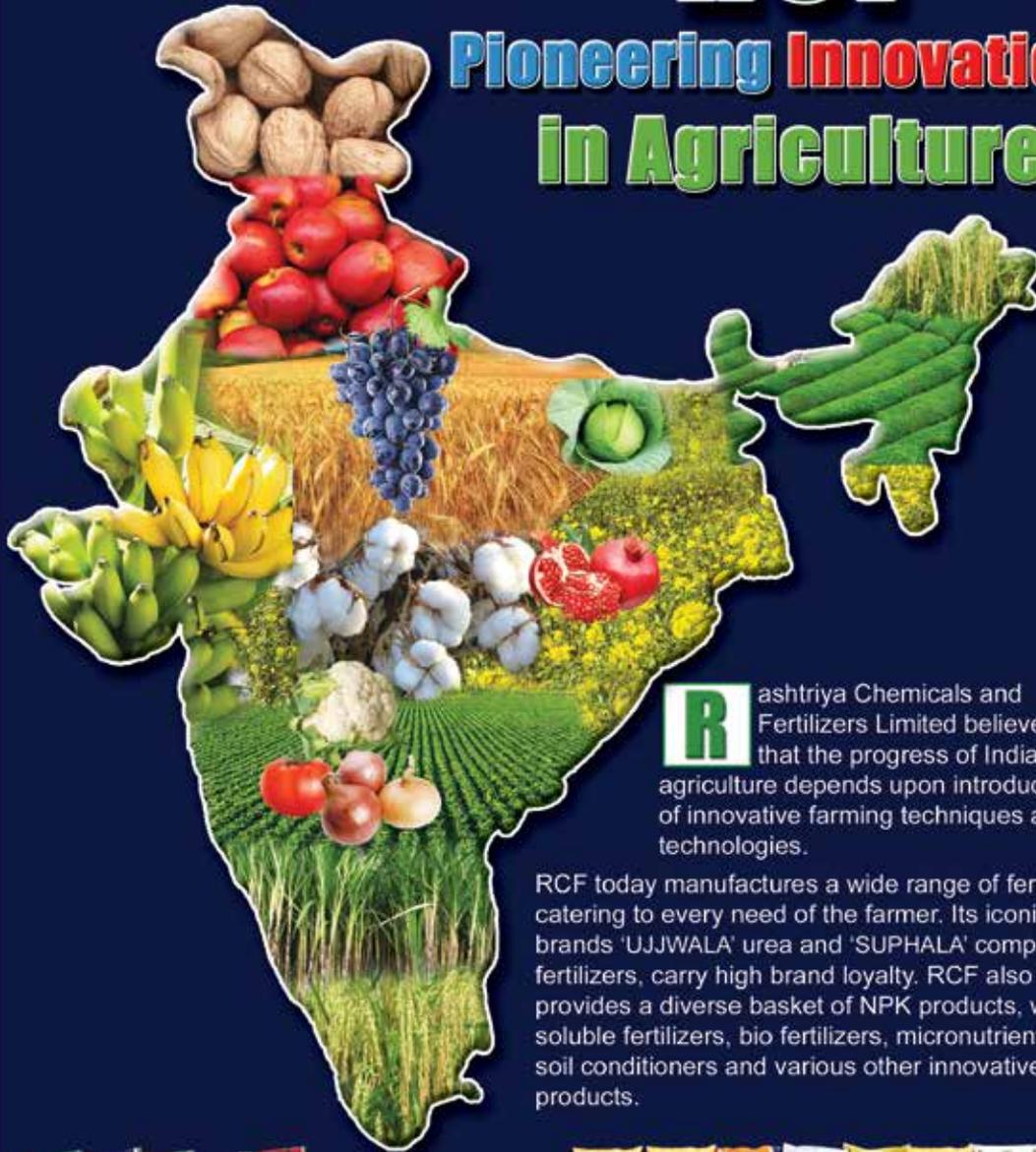
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ईसीजीसी के साथ ऋण जोखिम का बीमा कराएं।

In these times of economic instability, insure
against credit risk with ECGC's export-friendly
credit risk covers.

अधिक जानकारी के लिए ईसीजीसी के निकटतम कार्यालय से संपर्क करें।
For more information contact your nearest ECGC office.



ई सी जी सी लिमिटेड
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आप निर्यात पर ध्यान केन्द्रित करें, हम जोखिम से रक्षा प्रदान करेंगे. • You focus on exports. We cover the risks.

ADVT. NO. : NMD/19/214



**INDIAN
RAILWAY
FINANCE
CORPORATION**
(A Government of India Enterprise)

Future on Track



Funded ₹5.22 trillion[^] to Ministry of Railways for progress of the Nation

- IRFC - Dedicated market borrowing arm for Indian Railways
- Registered with RBI as a systemically Important NBFC-ND-IFC
- Funded acquisition on 12,341 locomotives, 69,345 passenger coaches and 251,191 freight wagons
- Total revenue from operations increased by 27% during nine-month period ending 31st December, 2021 vis-à-vis corresponding period
- Zero non-performing assets and Capital Adequacy Ratio of 466.34%
- Rolling Stock Assets worth ₹2.75 trillion

[^]Cumulative funding of ₹5.22 trillion as of 31st December, 2021