



KALEIDO SCOPE

STANDING CONFERENCE OF PUBLIC ENTERPRISES



SCOPE participates in **Climate Dialogue Series** by Ministry of Environment, Forest and Climate Change and GIZ, Germany



SCOPE pays tribute to **Mahatma Gandhi**



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PSEs undertake Swachhta Campaign 2.0

The Lignite Giant now Ignites the Nation with Clean & Green Energy...



For more than six glorious decades, NLC India Limited has been a forerunner amongst the Public Sector Undertakings in the country in the energy sector, contributing to a lion's share in lignite production and significant share in thermal power generation. Today the company is mining 50.60 Million tonnes of lignite and coal Per Annum and generating 6061 MW of Thermal power including its subsidiaries. NLCIL has big dreams to become a 17,171 MW company by 2030. It has plans to enhance its lignite and coal mining capacity to 84.10 Million Tonnes Per Annum.

To reap the benefits of the renewable energy revolution, as a part of the National Solar Mission, Government of India has set a target to achieve 1,75,000 MW of Solar Power by 2022. NLCIL has an ambitious plan to establish 6031 MW of renewable energy projects including 200 MW Wind Power Projects in Tamilnadu and various states. Presently, the Company has a total renewable energy capacity of 1421 MW which includes 1370 MW of Solar Power Plants and 51 MW Wind Power Plant. NLCIL is the first CPSE to cross 1 GW capacity in solar power generation and became the member of International Solar Alliance (ISA)

Renewable Energy Projects under operation

- 141 MW Solar Power Projects (SPP) including Roof top solar project at Neyveli. A 10 MW Solar Power Project in Neyveli, under Mini Smart City Scheme is under construction.
- 1209 MW Solar Power Projects at Tirunelveli, Virudhunagar, Ramanathapuram and Thoothukudi Districts of Tamilnadu.
- 200 KW, R&D Pilot Scale Floating SPP in Neyveli New Thermal Power Project's Raw Water Reservoir.

- 20 MW SPP, integrated with 8 MWhr Battery Energy Storage System at South Andaman Island. This is the largest battery bank in India for catering the variation in solar insolation.
- 51 MW (34 x 1.5 MW) Wind Power Project at Tirunelveli District in Tamilnadu.

Renewable Energy Projects under consideration

- A JV Company, "Coal Lignite Urja Vikas Pvt Limited" is incorporated on 10.11.2020 with Coal India Limited for establishing 3000 MW Solar Power Projects at various parts of the country.
- An MoU was signed with Assam Power Distribution Company on 09-08-2022 to develop 1000 MW Solar Power Project in the State of Assam
- Won bid for 660 MW Solar Power Projects, floated by Solar Energy Corporation of India (SECI) and Indian Renewable Energy Development Agency (IREDA)



NLC India Limited

'Navratna' - Government of India Enterprise

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Message by Chairperson



'Azadi ka Amrit Mahotsav' is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements. The official journey of Azadi Ka Amrit Mahotsav commenced on 12th March 2021 which started a 75-week countdown to our 75th anniversary of independence and will end on 15th August 2023.

It is a matter of pride for all PSEs to have participated in this initiative of the Government and create/design several 'Jan Bhagidari' events involving common citizens to promote our capabilities, culture and achievements as a nation. Till its culmination in August 2023, many more events are being planned under 'Azadi ka Amrit Mahotsav' by PSEs.

PSEs along with all countrymen, undertook the massive campaign of 'Har Ghar Tiranga', to hoist flags in their offices and homes between 13th-15th August, 2022. SCOPE also partook in these celebrations with utmost fervour.

A massive one-month long cleanliness drive 'Special Campaign 2.0' was also launched recently by the Government to clear scrap, electronic waste, obsolete files and documents across the country. PSEs undertook various activities under the campaign including reduction of compliance burden by way of simplification of rules or processes.

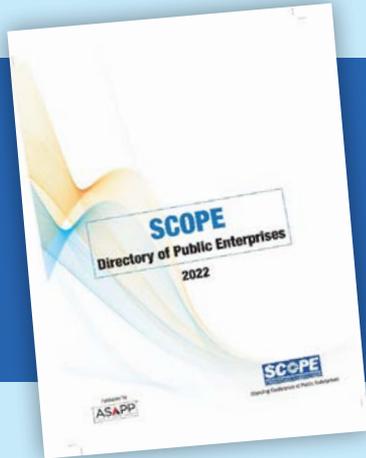
Pursuant to their endeavour of promoting integrity and eradicating corruption, PSEs will also be observing Vigilance Awareness Week from 31st August to 6th September. The theme on which activities will be undertaken is 'Corruption free India for a Developed Nation.' SCOPE, as the apex body of PSEs, will continue to highlight the various endeavours of the PSEs.

Women employees, whose presence is increasing in the workforce, have always been stretched while trying to find work life balance. As SCOPE has always emphasised on creating conducive learning environment for women employees, it will continue to undertake studies, and conduct programmes that offers not only learning but also facilitate pragmatic solutions for women to accentuate their careers.

As always, I look forward to the continued support, enthusiastic participation and guidance of all members in our endeavors. Through our dedicated efforts, SCOPE will continue to ideate and create opportunities for learning and development.

A handwritten signature in black ink, appearing to read 'Soma Mondal'.

Soma Mondal
Chairperson, SCOPE



SCOPE Directory of Public Enterprises 2022

Price: Rs. 1500/-

Postage Included

Pages: 304

Standing Conference of Public Enterprises (SCOPE) brings out the new edition (Year 2022) of the SCOPE Directory of Key Executives of Public Enterprises, in association with M/s. ASAPP Info Global Information Services Pvt Ltd.

The SCOPE Directory has been an instrument of effective communication and networking among PSEs as well as other stakeholders. The Directory contains updated information about Corporate/Registered Offices of PSEs, their Units/Zonal/Regional Offices in India and abroad, phone, fax, email address, website address etc. along with the names and contact details of the Chief Executives, Board Members and Senior level Executives of PSEs.

The SCOPE Directory has been nominally priced at Rs. 1500/- per copy. As the earlier editions of the Directory have been found very useful by Public Sector Enterprises, it is requested that additional copies of the SCOPE Directory may also be purchased for top management and senior officials of your organization. For purchase of the SCOPE Directory; Ms. Sneha Vichare, Senior Executive (Subscription Sales), M/s. ASAPP Info Global Services Pvt Ltd, Mumbai Contact Details: 81081718371 022-24193070 may be contacted with intimation to SCOPE on Email Id: pr@scopeonline.in.

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Director General's Desk



Striding ahead to create new pathways of excellence is not just about looking ahead with enthusiasm, but is also, seeking inspirations from our past. As the country celebrated the 173rd birth anniversary of Mahatma Gandhi, imbibing the teachings of the Father of the nation, SCOPE renewed its pledge to learn and follow his teachings and values every day.

As the world tackles the menace of Climate Change, recent reports suggest that our planet is now facing a 'Code Red' situation, reiterating the need for urgent initiatives towards mitigating its effects. Reflecting upon the various steps taken by the Government towards Climate Change Mitigation and the initiatives of Public Sector Enterprises (PSEs) leading the charge against fighting Climate Change, SCOPE recently participated in 'Climate Dialogue Series 2022 – India', being conducted by Ministry of Environment, Forest and Climate Change (MoEFCC) and GIZ, Germany under the Indo-German bilateral cooperation project.

SCOPE has always prioritised highlighting labour related issue of PSEs at various national and international forums. As part of this, SCOPE recently participated and represented PSE employers' in the ILO's Decent Work Country Programmes (DWCP) Meeting.

In continuation with its endeavour of skill development, SCOPE has been participating in various forums dedicated to skilling. In this regard,

Programmes & Initiatives launched (since last issue of KALEIDOSCOPE)
SCOPE celebrates Gandhi Jayanti - 2nd October, 2022
Programmes & Initiatives in offing
Workshop on Leadership Development for Women Executives
MoU between SCOPE & GIZ, Germany

SCOPE was a member of the Drafting Committee on Skills and Lifelong Learning in International Labour Conference (ILC) 2021 and also participated in discussion on apprenticeship in the ILC 2022 . Given the engagement of SCOPE on this important subject, we are nominated to the Global Lifelong Learning Summit (GLLS) by International Organisation of Employers (IOE), Geneva and ILO, to present the employer's perspective on the lifelong learning and how the same can be driven by various organisations. The first ever Summit on Lifelong Learning is being organised by Singapore's Ministry of Education in association with various international organisation working extensively in the field of skilling including Institute of Adult Learning, Singapore; ILO and OECD.

The Summit will deliberate upon how Lifelong learning is now widely recognised as a key enabler to impact lives and maintain employability in the midst of rapid transformations.

Previously, as SCOPE was approached by the Department of Public Enterprises (DPE) to review its existing guidelines, suggestions were invited from all CPSEs and a report was submitted to DPE. As part of this, a meeting was recently held by DPE with PSE executives associated in finalizing draft recommendations.

SCOPE through its various programs in the upcoming months will continue to synergize its efforts to conceptualize a wide range of programs for capacity building and skill enhancement of PSEs. Besides we continue to undertake series of studies, research work with top institutes, academia across the world, to enhance knowledge in areas such as Leadership, Climate Change, Women Empowerment, Digital Transformation and many more.


Atul Sobti

Director General, SCOPE

SCOPE participates in Climate Dialogue Series



Shri Atul Sobti, DG, SCOPE addressing the 9th Climate Dialogue Series.

India is proactively leading the Climate Change Mitigation efforts across the world. In an effort to further brainstorm on best practices in the country and globally, along with the technology and climate science that could further propel India's efforts, the Ministry of Environment, Forest and Climate Change (MoEFCC) and GIZ, Germany have been conducting 'Climate Dialogue Series 2022 - India,' under the Indo-German bilateral cooperation project on 'Supporting the Institutionalization of Capacities on Climate Change Studies and Actions (ICCC).'

In the above context, DG, SCOPE, was invited to speak at the 9th Climate Dialogue Series on the

theme 'Climate Change and Business,' held recently. DG, SCOPE in his address commended the efforts made by the Indian Government in leading the charge against fighting Climate Change. Talking about the role of Government in addressing the Climate Mitigation efforts, DG, SCOPE said that it is the role of every corporate and citizen to equally contribute towards the same. PSEs, he said, are operating in hard to abate sectors of the economy and if India has to succeed in achieving its goal, PSEs have to come forward and they are in fact already taking significant strides in this direction.

Shri Sobti also cited few remarkable feats achieved by PSEs in

fighting Climate Change. DG, SCOPE highlighted the efforts being made by SCOPE in the area of Climate Change to handhold PSEs in Climate Mitigation efforts. In association with GIZ, he said, SCOPE conducted capacity gap assessment and training needs of PSEs and subsequently, training programmes across the country were conducted. SCOPE and GIZ will continue to collaborate to provide necessary thrust to the efforts made by PSEs, he added.

The Dialogue series was also addressed by Smt. Ruchika Drall, Deputy Secretary, MoEFCC; Shri Rujit Sengupta, CEO, Centre for Responsible Business; Dr. Naresh Tyagi, Chief Sustainability Officer, Aditya Birla Fashion and Retail; Dr. Amrita Ganguly, Executive Director, Deloitte; Shri Kamlesh Kholiya, Sustainability Manager, Tetra Pak and Shri RamkailashBhadouria, General Manager (Engineering & Projects) - South Asia - KGF (Chittagong), Unilever. Shri Kundan Burnwal, Senior Advisor - Climate Change, GIZ, moderated the session.

SCOPE pays Tribute to Mahatma Gandhi



Shri Atul Sobti, DG, SCOPE garlanding the statue of Mahatma Gandhi, the Father of the Nation.

Remembering our Father of the nation, Mahatma Gandhi, on his 153rd birth anniversary, SCOPE paid a floral tribute to Mahatma Gandhi at SCOPE Convention Centre, New Delhi on 2nd October, 2022. Shri Atul Sobti, DG, SCOPE garlanded the statue of Mahatma Gandhi on the occasion.

Paying tribute to the Father of the nation, DG, SCOPE said, "Gandhiji, endowed with the ability to inspire generations, across the globe, remains one of the most revered leaders of all times." He added that, "the true tribute to the Father of the nation, would be to follow his values and teachings, not just on one day, but every day in our lives."

Interface with Stakeholders



Dr. G. Sanjeeva Reddy, President, Indian National Trade Union Congress (INTUC) visits SCOPE. Shri Ashok Singh, Vice President, INTUC also accompanied Dr. Reddy.



Dr. Madhu Rani Teotia, Land & Development Officer, Ministry of Urban Development meets Shri Atul Sobti, DG, SCOPE at SCOPE Complex.

SCOPE in Media



7.10.2022

SCOPE pays tribute to Mahatma Gandhi

Pg no : 22

Remembering the Father of the Nation, Mahatma Gandhi, on his 153rd birth anniversary, Standing Conference of Public Enterprises (SCOPE) paid floral tribute to Mahatma Gandhi on his 153rd birth anniversary at SCOPE Convention Centre, New Delhi. Atul Sobti, Director General, SCOPE, garlanded the statue of Mahatma Gandhi on the occasion. Paying tribute to Mahatma Gandhi, Sobti said, "Gandhiji, endowed with the ability to inspire generations, across the globe, remains one of the most revered leaders of all times."



23.09.2022

Pg no : 20



MEETING-SCOPE

SCOPE organised a 'National Meet on RTI Act,' in Leh, Ladakh, inaugurated by RK Mathur, Lt. Governor of Ladakh, in the presence of YK Sinha, Chief Information Commissioner, Atul Sobti, DG, SCOPE & Pradip Kumar Das, CMD, IREDA.



27.09.2022

Pg no : 12

Ladakh LG opens SCOPE's national meet on RTI Act

Standing Conference of Public Enterprises (SCOPE) recently organised a national meet on RTI Act in Leh. It was inaugurated by Ladakh Lt Governor Radha Krishna Mathur. Atul Sobti, DG, SCOPE, and Pradip Kumar Das, CMD, IREDA, also addressed the session.



7.10.2022

Pg no : 18



TRIBUTE-SCOPE

SCOPE paid floral tribute to Mahatma Gandhi, on his 153rd birth anniversary, at SCOPE Convention Centre, New Delhi. Atul Sobti, DG, SCOPE garlanded the statue of Mahatma Gandhi & paid tribute to the Father of the Nation.



Pg no : 17

SCOPE & IMT Hyderabad sign MoU



A Memorandum of Understanding (MoU) was signed virtually between Standing Conference of Public Enterprises (SCOPE) and Institute of Management Technology, Hyderabad (IMT) to conduct a research-based study on "Digital Transformation in Public Sector Enterprises (PSEs)."



5.10.2022

Pg no : 20



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7.10.2022

Pg no : 20



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20.07.2022

Pg no : 9



SCOPE, ICAI collaborate for capacity enhancement knowledge building

JAMMU, July 19 Standing Conference of Public Enterprises (SCOPE) has collaborated with the Institute of Chartered Accountants of India (ICAI) for capacity enhancement and knowledge building of Public Sector Enterprises (PSEs) in India. The Memorandum of Understanding (MoU) was signed by Atul Sobti, DG, SCOPE and Dr. Jai Kumar Batra, Secretary ICAI in the presence of members of SCOPE Committee of Financial Management, Subodh Gupta, Director, enhancement of knowledge, IFinance) BHILL, R. P. Goyal, and senior officials of ICAI and SCOPE. "Aiming to be an outcome-based MoU, this collaboration will focus on providing research work in innovative practices and business solutions to PSEs while providing industrial facilitation by way of clarifications on accounting treatments and policies," said Atul Sobti during the signing of MoU. "He said the MoU is in continuation of endeavours of SCOPE to provide PSEs with opportunities for capacity building in resilience and expertise through Subodh Gupta, Director, enhancement of knowledge, IFinance) BHILL, R. P. Goyal, skills, and expertise.



4.10.2022

Pg no : 16

स्कोप ने महात्मा गांधी को दी श्रद्धांजलि
"वहो जी तुमिया भर में कई
वहो, नई दिल्ली: महात्मा गांधी की 153वीं जयंती पर उन्हें श्रद्धांजलि देने के लिए स्कोप ने राष्ट्रीय स्तर पर एक कार्यक्रम आयोजित किया। अध्यक्ष आतुल सोबती ने कहा, "गांधीजी का योगदान अमूल्य है। उनके जीवन और कार्य हमें प्रेरणा देते हैं।"



20.07.2022

Pg no : 9

SCOPE - ICAI collaborate for capacity enhancement and knowledge building



"Aiming to be an outcome-based MoU, this collaboration will focus on providing research work in innovative practices and business solutions to PSEs while providing industrial facilitation by way of clarifications on accounting treatments and policies," said Atul Sobti, Director General, SCOPE during the signing of Memorandum of Understanding (MoU) between Standing Conference of Public Enterprises (SCOPE) and the Institute of Chartered Accountants of India (ICAI) for capacity enhancement and knowledge building of PSEs in India. The MoU was signed by Atul Sobti, DG, SCOPE and Dr. Jai Kumar Batra, Secretary, ICAI in the presence of Members of SCOPE Committee of Financial Management, Subodh Gupta, Director (Finance), BHILL, R.P. Goyal, Director (Finance), NHPIC, senior officials of ICAI and SCOPE. The MoU is in continuation of SCOPE's endeavours to provide PSEs with opportunities for capacity building in resilience and expertise through enhancement of knowledge, skills, and expertise.



5.10.2022

Pg no : 10

SCOPE pays tribute to Mahatma Gandhi

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3.10.2022

Pg no : 9

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PSEs@2047: Road towards Building an Aatmanirbhar Bharat



Atul Sobti
Director General, SCOPE

India stands at a unique vantage point from where it is poised to become the *Vishwaguru*. It has not only the advantage of the demographic dividend, but the overall economic environment, which supports its transformation to become self-reliant (Aatmanirbhar).

To achieve the same, all stakeholders, including industry, academia, and society at large, need to put cohesive efforts. While all stakeholders have a distinctive role to play, the corporate sector would have the strategic role in moving the commercial and economic growth of the country. And when we say corporate sector, the role of Public Sector Enterprises (PSEs) would also be crucial in realizing the vision of India@100.

PSEs have always been at the forefront of the socio-economic development of the nation, and they have traversed a long distance since independence. From mere five CPSEs at the beginning,

with an investment of INR 29 crore, it has increased to 389 in FY 2020-21 with an investment of nearly INR 22 lakh crore and a net profit of over INR 1.5 lakh crore. CPSEs contributed close to INR 5 lakh crore to Central Exchequer by way of excise duty, customs duty, GST, corporate tax, interest on Central Government loans, dividends, other duties & taxes, and the employment stood at nearly 1.4 million.

Placing India on the global industrial map, PSEs are major contributors with 99% of country's total coal production, nearly 51% in Petroleum and 77% in Natural Gas, while playing major role in steel production. Given the strategic contribution of over 50% by PSEs to power generation, today all inhabited villages are electrified, primarily by PSEs. As they play a significant role in providing the country with world-class infrastructure, PSEs continue equipping the nation with state-of-the-art technology and series of R&D breakthroughs, creating significant downstream impact by generating direct & indirect employment avenues, developing skilled and industry ready

talent PSEs transforming lives every day.

Hence, given their strategic relevance in the economy, it is pertinent that PSEs give further impetus to their efforts to evolve themselves in line with global benchmarks and become an intrinsic part of the global supply chain.

Journey towards an evolved Fraternity

The journey of PSEs, can distinctly be divided into three stages, viz. pre-liberalization, post-liberalization, and the current phase of the road to PSEs@2047. As India celebrates the 75 years since independence, the CPSEs, too, are celebrating their journey and contributions to the making of an independent India. They are also gearing up for the future and are in the process of preparing a roadmap to become more efficient and competitive and meet the aspirations of new India. While, many deliberations are taking place around the new role of PSEs in the country, one key event took place recently under the Azadi Ka Amrit Mahotsav (AKAM) celebrations held at Gandhinagar, Gujarat. Inaugurated by the



Abridged version of this Article was Featured in **PSU Watch's Annual Edition 2022** titled **India of 2047- Readying India for Amrit Kaal.**

Hon'ble Finance Minister, Smt. Nirmala Sitharaman, the celebrations witnessed the address of Hon'ble Finance Minister who gave pointed agenda to PSEs to explore new prospects for expansion, identify opportunities for scaling up, diversify in emerging fields, and step up for greater amalgamation.

A CEOs Roundtable was also organized by the Department of Public Enterprises (DPE), in association with the Standing Conference of Public Enterprises (SCOPE), where CMDs and Directors representing their organizations came on board to discuss the roadmap of PSEs, and their role in strategic sectors for building a self-reliant India.

Key identified areas

Analyzing the role of PSEs in new India, it is important to first understand the need of the country. Owing to its young population and growing global presence, PSEs need to work on three key areas:

- Skilling
- Substitution of Imports
- Research & Development

Skilling:

India is home to the largest youth population in the world, with 66 percent of the total population below the age of 35. On the other hand, India seeks to become a dominant manufacturing centre which resonates with the Government's agenda to achieve \$1 trillion in Gross Value Added (GVA) from manufacturing in the coming years. For this to realize, PSEs need to amp up their production capabilities, which on one hand, would require the adoption of new-age technologies,



but would also require a massive skilled workforce. These two factors would go hand-in-hand.

For this purpose, PSEs need to adopt unique ways of imparting skill training and as a prerequisite, it is imperative to map the current skill levels and the skill gaps to strategize and plan for effective training programs. PSEs could also collaborate with training institutes to address the key areas of concern. The training, however, needs to be output-based and should be regularly monitored to see concrete results. The focus should also be on collaborating with academic institutes to promote apprenticeships for students. It could be a unique model through which PSEs could train and hire industry-ready graduates based on their interests and the industry requirement, rather than skilling them post-recruitment.

Substitution of Imports:

Under the Aatmanirbhar Bharat Initiative, CPSEs have begun the journey toward rationalizing import dependency. The multi-pronged strategy includes developing internal capabilities and strengthening local capacities as

a key element. For this purpose, PSEs need to adopt Industry 4.0 to accelerate digitalization and automation. The adoption of Industry 4.0 would help PSEs optimize their operations and services which in turn would result in a reduction of operational cost and increased efficiency.

PSEs could also work towards developing innovative ways to substitute the import of raw materials. For example, Bharat Petroleum Corporation Limited (BPCL) developed an indigenous dewaxing catalyst (BHARAT HiCAT) to substitute the import of substitute Gasoline Sulfur Reduction catalyst; Coal India Limited (CIL) has allocated additional coal to Central & State generating companies under Flexi-utilization, enabling them to avert coal imports; among other initiatives.

The instances of developing indigenous capacities by PSEs are many, but one aspect that PSEs need to further explore is ensuring optimum utilisation and development of the remotest corner of the country which would ultimately lead to strengthening local capacities. For this, it is essential that the aim of PSEs should

be to increase the efficiency of local vendors and MSMEs. As MSMEs are the major backbone of Indian economy by fostering socio-economic development, next only to agriculture, PSEs could further empower them through skilling, utilizing technological interventions to strengthen the engagement and creating local employment opportunities, among others. It is heartening to see that PSEs have already begun working on these areas, some examples are revision of procurement policy to encourage domestic procurements by HPCL and conducting vendor development programs and webinars to promote self-reliance initiatives. Further, BHEL has formed a business group—the “Make in India Business Development Group” with the objective of in-house development & manufacture of imported items. However, the efforts in this regard need to intensify so as to ensure overall development of the country.

Research & Development:

In the changing dynamics of the business world- it is important to keep pushing forward with new innovative practices because the motto today is- Disrupt or get disrupted!

Innovation needs to be at the centre stage of any organization, big or small. India has made a significant stride in this direction. Being the second-largest startup ecosystem in the world is a testimony to this fact. According to the Global Innovation Index 2021, India ranked 46th in the innovation index amongst 132 economies. India also secured the first rank in central and southern Asia on the given Index.



The Government has undertaken significant steps to promote and encourage innovation. For example, concessions in online-IPR filing by startups and women entrepreneurs, 80% concession for IPR filing by educational institutions, and 75 scholarships for students from economically weaker sections of the society studying IP-related laws, among others.

When it comes to the CPSEs, we have seen a rising trend for investment towards research and innovation, with CPSEs in the power, petroleum, mining, defence, and steel sector earmarking significant funds towards R&D. It has also been seen that CPSEs follow a varied model for R&D; while many CPSEs have in-house R&D facility, others collaborate with academic and research institutes. To put forth a more cohesive effort and upscale R&D, the leading PSEs may handhold PSEs functioning in the same sector and create a knowledge sharing mechanism to benefit all.

PSEs need to further propel their efforts in this direction because the road to becoming a manufacturing hub or substituting imports goes through R&D. To achieve 'zero defect-zero effect' manufacturing, the quality of products needs to be optimized. To further drive the R&D efforts, the PSEs could come together and work on mutually beneficial projects. Similarly, PSEs can also

accelerate their partnership with globally renowned institutions to undertake focused research works.

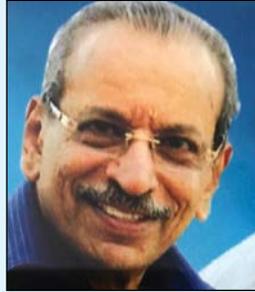
Way forward

The journey of Public Sector in India has been a chequered one - full of travails and tribulations, but the very fact that the Public Sector was able to withstand the dynamism speaks volumes about the resilience of the sector. In more than six decades of existence, the Public Sector in India has steered the economy towards economic development by successfully incorporating the 3 Ps- People, Planet and Profit, in its framework thereby driving the country towards building a strong industrial infrastructure and social well-being of the people. Indian PSEs have also been recognized as having a unique place among the State-Owned Enterprises (SOEs) across the world.

Constant efforts by the Government to empower the sector has been a critical factor in the new role of the CPSEs however, the need of the hour is to constantly empower and build trust in the PSEs so that they are able to demonstrate global competitiveness and market leadership.

The road to India@100 goes through the realization of its true potential, and every stakeholder needs to come on the same platform and work in tandem to optimize its resources to achieve the same. Utilizing the three aspects of skilling, substitution of imports, and indigenization of technology through R&D, PSEs could steer India towards Aatmanirbharta and pave the way for future- the future that India envisages and deserves.

Social Health Clubs: Uniting for the Health of the Society



*Justice M.R. Hariharan Nair, ** Raghuraj Rajendran

Education is for life! This one sentence can have two meanings. One is that education as a process continues for the entire span of a person's life. It is not restricted to those days which are associated with an educational institution. Second, that education is not just for finding a livelihood-learning and being financially secure. It is about being a value-adding member of Society. It's about grooming himself/herself to be a patriotic and health-conscious citizen prepared to discharge his/her fundamental duties and be of help to society at large.

Though both of these meanings are true in their own sense, it is about the second that we would like to elaborate on. The curriculum and environment in schools have seen many healthy movements over the years. However, the requirement of a healthy society in an exponential world is much more dynamic than what could be incorporated into the curriculum. Thereby, it leaves us with the option of having some dynamic entity in the environment of the educational institutions which will equip the students and society to be better informed. Apart from

information, a platform that they consider their own can help the students productively participate in the discourse that shapes the morrow. Education should be able to guide on the new ways to go about social life given the realities of the increasing obesity and diabetes pandemic - on how you eat your food, live your life and celebrate birthdays! It should be able to guard a generation from the advertisement blizz of Ultra Processed Foods.

It is in the above context that the novel experiment of Social Health Clubs in educational institutions deserves a mention. Social Health



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Clubs have been formed in about twenty-odd schools across India as this is being written. More importantly, it offers each of you reading this, a point of action-constituting or facilitating a Social Health Club in your area of influence. It might be your school/college or your alma mater. It might be the school you are teaching in or the ones for which your kids are packing their bags.

Social Health Clubs are conceptualised as decentralized and self-driven entities at the level of educational institutions. Students come together to form the club with the teachers/parents as patrons. This club is then envisaged to provide a platform for the various activities of students which might include, but are not restricted to, competitions, symposiums, plays, occasions, and any other.

The concept of Social Health is more inclined toward the promotional and preventive aspects of healthcare rather than the curative side. It seeks to instill the perspective that health as a goal needs to be sought with a 'society as a whole' approach and cannot be restricted to the individual health of a person. This

perspective enables the platform to look deeper into the socially communicable diseases which are today euphemistically called non-communicable diseases. Some reports suggest that sixty percent of the deaths in India are now due to such socially communicated diseases. The activities of the Social Health Clubs can help highlight and address this aspect. Once the platform is made and is available to the students, it can help them chart a course on multifarious social issues that need attention – an elaboration of the various issues that could be addressed would be too long to be attempted in this short article.

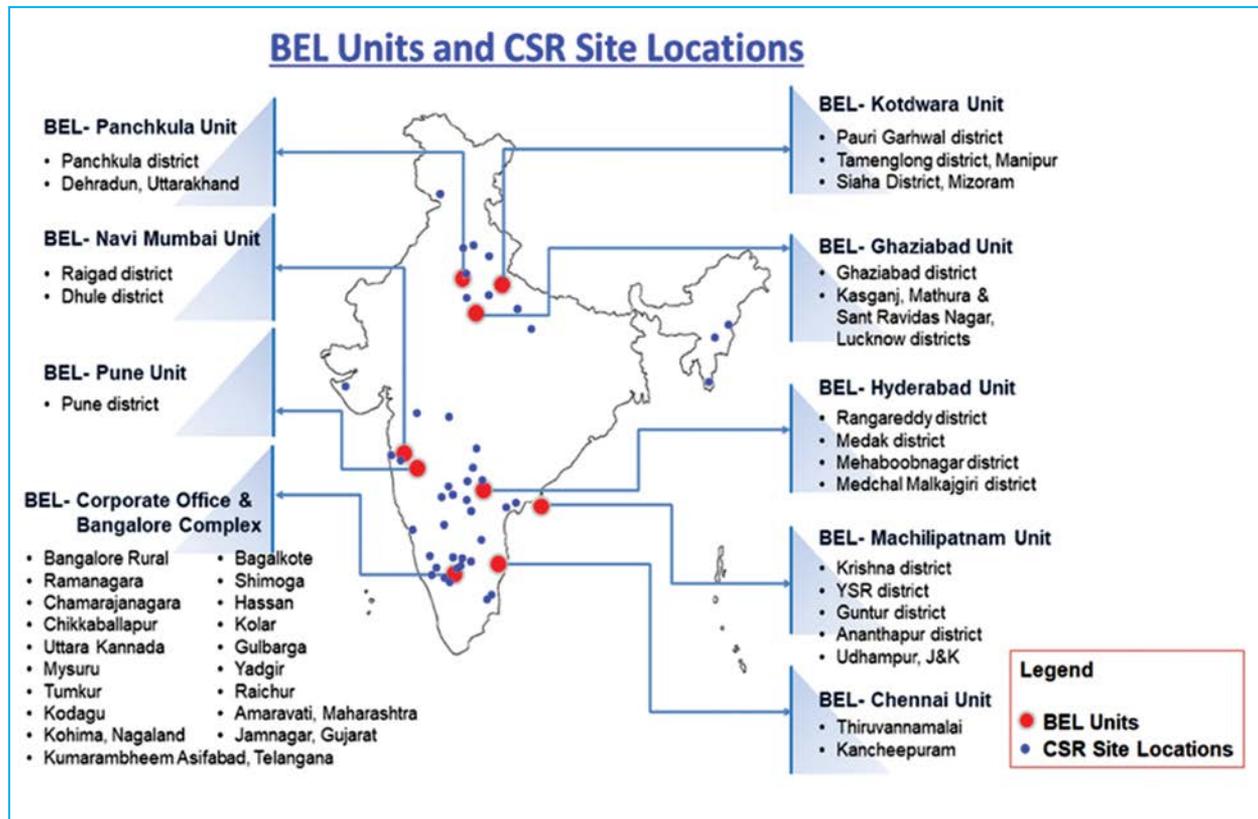
The hope with Social Health Clubs is also because of the impact that it has started to have. On July 7th, some very reputed schools had given in to celebrating World Chocolate Day without realizing how they are being made use of by vested commercial interests. Students were made to decorate cookies with sugary chocolate syrup inadvertently promoting amongst themselves Ultra-Processed Foods which are now known to have the most drastic impact on health. However, on the very same day,

armed with a general mandate to promote Social Health, the Social Health Club in Kendriya Vidyalaya, Jyotipuram, UT of J&K celebrated 'Healthy Food' Day. Students were requested to bring to the school what they thought of as healthy food. The riot of colours that they saw on each other's tiffin boxes with various fruits and vegetables was in stark contrast to the schools which had de-educated their students by celebrating an occasion sponsored by vested commercial interests.

This is just the beginning. Concerted action by the society can ensure that there is more traction for the concept and more visibility for the efforts that the Clubs do. Individuals and organizations can contribute their might to this noble cause.

Education is for life - that of your own and of others. It brings about your personality, values, and the leader in you. It helps you follow the right causes in the right earnest. For a society to promote its own education, it has to radically improvise the structures and processes. It will take you and me to make that change! ■

Bharat Electronics Limited: Ensuring Holistic Development of Communities



Navratna defence PSU Bharat Electronics Limited (BEL)'s CSR initiatives touch the lives of the underprivileged and the marginalized sections of society across the Nation. BEL strongly believes that our ability to create value is interlinked with the value we create for the society. BEL endeavours to fulfil social responsibilities encompassing holistic community development, institution building and sustainability-related initiatives. BEL's interventions are closely aligned with UN

Sustainable Development Goals of contributing to inclusive and equitable development through capacity building and empowerment of the underprivileged.

The CSR interventions are designed & implemented by in-house teams. The Company has 9 manufacturing Units in 8 States across the country. Most of the CSR activities of the Company are taken up at remote locations in these 8 States with the rural & marginalized sections of society being the key beneficiaries. Several developmental works

have been undertaken in the Aspirational Districts of Yadgir & Raichur in Karnataka. Further, the Company has also made a foray into the North-East by rolling out developmental interventions impacting the community.

Enabling Better Education:

BEL is facilitating a conducive learning environment in 35 remote Government Schools. Nearly 15,000 rural students from the economically weaker sections of society will benefit from it.

Augmenting Healthcare & Sanitation Infrastructure:

BEL helped in improving health infrastructure in Government Hospitals and sanitation facilities in more than 125 Government Schools which will benefit rural population of around 15 Lakhs and 17,000 students respectively.

Facilitating Rural Development:

BEL undertook developmental and sustainability interventions in 9 adopted villages, which will benefit around 1.25 Lakh rural population.

Promoting Skill Building:

BEL prioritised Skill India and undertook to augment infrastructure in 10 adopted Government Industrial Training Institutes. 5,000 youth were trained on technical skills, employability skills and given industry exposure to help them get a better livelihood.

Supporting the Nation during Pandemic:

As COVID-19 Pandemic continued into FY 2021-22 and driving urgent need to address health and nutrition, we, at BEL, continued with our relief efforts. We committed Rs. 16.30 crore towards thematic CSR interventions and COVID-19 support projects pan India. We also contributed Rs. 6 Crore towards construction of COVID Hospital in Lucknow, Uttar Pradesh, Delhi Cantt. Further, Rs.17.7 crore has been contributed to PM CARES Fund in support of the Government's concerted efforts to fight the challenges arising out of COVID-19 pandemic.

BEL set up medical oxygen generation plants in 12 Government Hospitals across 6 States to ramp-up their oxygen requirement and help ease the oxygen crisis in the country.

Health infrastructure was augmented in remote Government Hospitals and Primary Health Centres. Ventilators were donated to Paediatric ICUs in the Government Hospitals of Yadgir

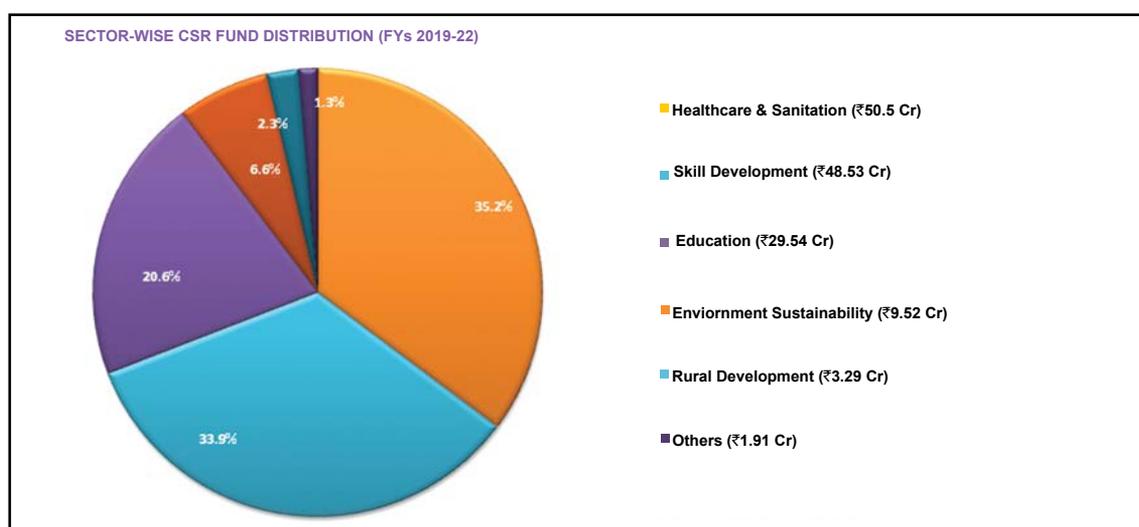
Aspirational district. Persons with Disabilities in the Aspirational districts of Raichur and Yadgir in Karnataka were provided aids and appliances to facilitate their mobility.

CSR Expenditure:

The prescribed CSR Expenditure of the Company during any financial year is 2% of the average net profit of the Company for the previous three financial years. Accordingly, the CSR budget allocated during last 3 FYs (2019-22) is tabulated below:

FY	CSR Budget Allocated (in ₹ Crore)
2019-20	43.10
2020-21	46.88
2021-22	53.29
TOTAL	143.27

The Sector-wise CSR Fund distribution for the last 3 FYs (2019-22) is depicted below.



Others include: Contribution to Technology Incubators, Measures for Armed Forces Veterans & Impact Assessment.

Community Involvement & Institution Building:

The CSR interventions are designed & implemented by in-house teams.

During implementation, BEL-Unit teams establish regular dialogue and consultation with its key stakeholders (Local Communities / Beneficiaries, Panchayat, District administration, etc) to ensure that the intended benefits have been achieved on completion of the CSR Projects.

Impact:

2 case studies presented below:

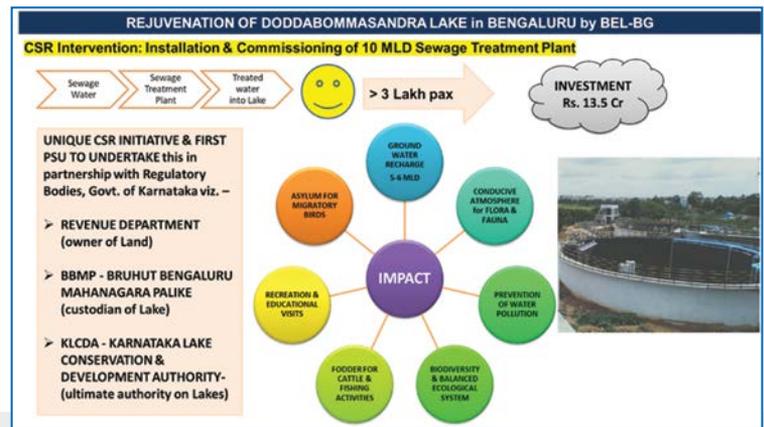
Further, BEL-Unit teams handhold the local communities / beneficiaries to ensure that the facilities created under CSR are fully utilised by them. This ensures smooth handover and sustenance of the project.

After handover, BEL-Unit teams visit the project locations periodically to monitor the utility of the facilities and address maintenance / repair works, if any. Warranty on the procured items also address maintenance / repair issues.

Monitoring & Evaluation:

CSR Committee of the Board visits CSR Project site locations to inspect and review the progress of implementation, interact with the stakeholders concerned and assess impact.

Monitoring Committee headed by Director (Finance) visits CSR site locations to monitor the progress of CSR Projects, assess effective utilization of Funds and ensure statutory compliances.



Awards:

BEL was adjudged Winner of ICC PSE Excellence Award for Corporate Social Responsibility in Maharatna & Navratna category. BEL won Aerospace & Defence Award for Excellence in Contribution towards Positive Social Impacts (CSR). BEL won PRCI Award for Best Use of Content for spreading COVID Awareness in rural areas. ■

Climate Change Risk : The Role of the Board



Dr. S. K. Gupta
Managing Director
ICMAI Registered Valuers
Organization

Climate Change risk is an issue facing all businesses – no matter the location, sector or product. It has evolved from a purely 'ethical' 'environmental' issue to have mainstream recognition as a material financial risk across physical, economic transition and litigation dimensions. For both corporate and public sector entities, regulatory and investor expectations on climate risk assessment and disclosure are accelerating, posing both risks and opportunities that need understanding, assessment and appropriate action. Increasingly, a strategic, rather than compliance-focused, approach to climate risk governance translates to commercial advantage in dealings with customers and investors.

Climate Change is visibly disrupting business. As with any form of disruption, Climate Change is creating and will continue to create risks and opportunities for business in a diverse number of ways. This disruptive relationship between Climate Change and business is already receiving increased attention. This has been prompted by the Paris Agreement, the emergence of climate-related legislation, the recommendations of the Financial

Stability Board's Task Force on Climate-Related Financial Disclosures (TCFD) and, most recently, the heightened awareness of physical impacts and risks detailed in the Special Report of the Inter-governmental Panel on Climate Change (IPCC) on Global Warming.

The links between Climate Change and business are becoming increasingly evident and inextricable. Increasingly, board directors are expected to ensure that climate-related risks and opportunities are appropriately addressed. Climate Change is simply another issue that drives financial risk and opportunity, which boards inherently have the duty to address with the same rigour as any other board topic. On the other hand, climate change is a new and

complex issue for many boards that entails grappling with scientific, macro-economic and policy uncertainties across broad time scales and beyond board terms. In this regard, general governance guidance is not necessarily sufficiently detailed or nuanced for effective board governance of climate issues.

What is Climate Change?

Climate Change refers to long-term shifts in the earth's weather patterns that can be caused by natural phenomena or human activity. Today, the term is commonly used to mean rising average global temperatures caused by the concentration of greenhouse gas emissions (GHG) in the atmosphere.



Risks created by Climate Change:

Global corporations are facing an era of unprecedented business disruption and transformation as a direct result of climate change. Given the increased investor and societal pressure, corporate leaders recognize it would be perilous to ignore this. Climate risks can impact revenues, costs and risk profiles of companies, generally in a negative direction, causing earnings and cash flow to vary from expectations with growing regularity.

Climate Change risk includes physical risk, transition risk and liability risk. Briefly:

Physical risk includes financial risk arising to the lowering of asset values, increased frequency of insurance claims, or the disruption of the supply chain arising from changing climate conditions or extreme weather events that cause direct damage to property or assets.

Transition risk relates to the policy changes, technological innovation and social adaptation which causes disruption from the adjustment to a

low-emission economy. Here, financial risk lies in the impact on pricing and demand, stranded assets, and defaults on loans.

Liability risk arises from stakeholder litigation and regulatory enforcement. This is the direct consequence of not responding to the impacts of climate change, leaving businesses open to litigation.

Why is Climate Governance a board responsibility?

In recent years, enterprise risk has become more complex and interdependent. A critical emerging enterprise risk for many companies is Climate Change. Boards should understand and fully address their fiduciary responsibilities as it relates to the oversight of climate-related risks. Accordingly, each director must have a common understanding of their individual, committee, and overall board responsibility related to climate risk oversight.

Climate Governance is the structure of rules and processes a company puts in place to manage its responses to the financial risks and opportunities of Climate

Change. Climate change is a potential strategic risk to companies, and it is therefore the duty of the board to identify and manage it in the same way as any other strategic risk. Whether or not climate is specified as a fiduciary duty under the corporate governance code, directors have the duty to promote the success of the company and to act with due care, skill and diligence. Failing to identify, assess, deal with or disclose material climate risks is a potential failure of corporate governance.

Board members or their companies may expose themselves to legal action if they fail to identify, respond to or disclose material climate risks. The risk of exposure is particularly high for directors of companies that operate in sectors that are especially vulnerable to climate risks, namely energy; transportation; agriculture, food and forest products; materials and buildings and financial services.

Climate Risk : The Role of the Board

An effective Climate Governance structure is critical to ensure that a company properly assesses climate-related risks and opportunities, takes appropriate strategic decisions on how to manage those risks and opportunities, and sets and reports on relevant goals and targets. Without governance in place, a company will be ill-equipped to deal with the threats or to respond appropriately to shareholders. As boards navigate their approach to climate-risk governance, questions to consider may include:



What are the top climate-related risks for the company?

How does the board determine the materiality of risks?

How are the company's key financial metrics affected by climate risks?

How are these risks reflected in long-term strategic and financial planning?

How does the board set goals and measure performance on the company's management of climate-related risks?

Which board committee has primary responsibility for overseeing the company's climate strategy and risk management?

Does the board hear from outside experts, including those whose views may diverge from management's?

How does the board oversee risks and opportunities related to Climate Change; in particular, how does the board ensure all members have an awareness and understanding of climate risk?

How does the board integrate Climate Change risks and opportunities into overall enterprise risk management?

Do external stakeholder expectations, such as investor mandates or shifting customer preferences, warrant focused attention from the board?

How is climate risk integrated into the organization's enterprise risk management program?

Board-level oversight ensures a company's long-term resilience concerning potential shifts in the business landscape that may result from Climate Change. A climate-competent board will

As the stewards for long-term performance and resilience, the board should determine the most effective way to integrate climate considerations into its structure and committees.

Integrate subject matter expertise or perspectives related to climate risks and opportunity.

Ensure that climate risks are integrated into the company's investment planning and strategic decision-making processes.

Incentivize performance by including climate-related targets and metrics in executive compensation schemes.

Ensure that material climate-related risks are consistently and transparently disclosed to all stakeholders.

Maintain regular dialogues with peers, policymakers, investors and other stakeholders to stay informed about the latest climate-relevant risks and regulatory requirements.

Appropriate board governance may require additional training for directors or recruitment of members with the requisite knowledge and skillsets to provide robust oversight of management as the company identifies and responds to climate-related risks and opportunities.

At its 2019 annual meeting in Davos, the World Economic Forum (WEF) published guidance for corporate boards on how to establish Climate Governance at their companies. The climate governance guidance from WEF covers 8 principles:

Principle 1: Climate accountability on boards. The board should take responsibility for ensuring the company's long-term resilience to climate risks.

Principle 2: Command of the subject. The board should be properly informed about Climate-related risks and opportunities and able to make relevant decisions.

Principle 3: Board structure. The board should implement the right board and Committee structures to ensure that climate risks and opportunities are understood, managed and reported.

Principle 4: Material risk and opportunity assessment. The board should ensure that



management fully identifies climate-related risks in the short, medium and long term, assess their materiality, and takes appropriate action according to the materiality of the risks.

Principle 5: Strategic integration. The board should ensure that management factors material climate-related risks and opportunities into the company's strategy, risk Management Process and Investment Decisions.

Principle 6: Incentivisation. The board should align executives' incentives with the Long-term success of the business. This may include climate-related targets in executive incentive schemes.

Principle 7: Reporting and disclosure. The board should ensure that the company discloses its material climate-related risks, opportunities and strategic decisions to all stakeholders - especially investors and regulators. These disclosures should be Included in financial reporting.

Principle 8: Exchange. The board should stay informed on current best practice in Climate Governance by maintaining dialogue with peers, policy-makers, investors and others.

Closing thought

Board-level focus on climate risk preparedness will help clarify the risks and opportunities associated with climate change. While pivoting from business as usual to a climate-risk preparedness mindset may be seen as cumbersome, it is necessary. Delaying appropriate action now may put the company at a competitive disadvantage later and could even erode shareholder and stakeholder value. Prudent boards will communicate climate change as a risk or opportunity multiplier; companies that capitalize on climate-risk opportunities may drive increased customer and employee engagement and benefit from future resilience and competitive advantage.

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Health Miracles of Perfect Sleep

(Perfect Sleep and Healthy Heart –
Mind body intervention) (Part-I)



Dr. H. K. Chopra*

Yoga is not for him who eats too much, nor for him who eats too little. Nor is it for him who sleeps too much or keeps awake too much"

"Gentle sleep is nature's soft nurse"

"Sleep is a wave of thought about nothingness"

"Sleep ordinarily means a period of rest for both body and mind"

"Alcohol interferes with normal sleep pattern"

"Regular exercise and meditation is very helpful in promoting better sleep at night"

"Avoiding excess of Colas, Tea and Coffee may promote better sleep at night"

"Stress is both the cause and effect of sleeplessness"

"Sleep and confidence are almost the same thing, they both come together"

"Even sleepers are workers and collaborators and what goes on in the universe"

"Even where sleep is concerned, too much is a bad thing"

"Sleep is equalizer for all of us"

Sleep is physiological need of a human body to maintain the integrity of body, mind, soul, spirit and environment. Sleeping too much and sleeping too less are equally hazardous. Most of us take sleep for granted, it is just like good health which is also taken for granted in absence of disease. Restful sleep is an expression of physical, mental, emotional, psychological, social and environmental well-being and a perfect integration of body, mind, soul, spirit and environment.

Historical Aspects of sleep, physiology and anatomy

In 1729, Jean Jacques d'ortous de Mairan demonstrated an endogenous circadian rhythm in the heliotrope plant that continued after the removal of external light

stimulus. This discovery laid the foundation for the theory that an internal drive for sleep exists independent of extrinsic factors such as light dark cycle.

1907, Legendre & Pieron performed a series of experiments whereby the plasma of sleep – deprived dogs was injected into non-sleep-deprived dogs, the latter group subsequently fell asleep. Thus, Legendre & Pieron proposed the hypnotox-in theory, that a build of a sleep promoting substance or toxins produced by wakefulness induce sleep. Putative somnogens include adenosine, cytokines, melatonin, prostoglandins and orexin (hypocretin) among other neurotransmitters.

"Sleeping clock" is a small part of the brain called suprachiasmatic

nucleus of the hypothalamus. It sits just above the nerves leaving the back of our eyes. Light resets the clock and can move it forward and backward. Abnormalities related to this clock are called circadian rhythm disorders. (Circadian comes from circa, which means "about" and dies, which means day'). Circadian rhythm disorders include jet lag, adjustments to shift work, delayed sleep phase syndrome (or delayed clock, which means you cannot fall asleep and wake up on time) and advanced sleep phase syndrome (or advanced clock, which means you fall asleep and wake up too early).

In 1920, Nathaniel Kleitman reported that, when subjects maintained constant wakefulness, they were more impaired during

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the usual sleep period (i.e. during the subjective night) than in the morning following sleep deprivation. These findings indicated that there are physiological mechanisms that both maintain alertness and promote sleep, a premise that is widely explored today. In 1928 Hans Berger first identified characteristic differences between a sleep and awake EEG in humans. In 1875, Richard Cayton demonstrated EEG rhythms in animal brains. In 1937 – 39 Hobart Davis and Kleitman described differing EEG patterns during sleep, indicating different sleep states.

In 1952 Kleitman identified episodes of sleep where the eyes moved in a rapid fashion. This type of sleep has since been termed Rapid Eye Movement (REM) sleep but has also known a paradoxical sleep. In 1927 Dement and Kleitman followed the pattern of sleep describing different stages of sleep that occur in a cyclical nature across the course of the sleep period.

Definition of Sleep

Sleep as defined in the Concise Oxford Dictionary

“A condition of body and mind such as that which normally recurs for several hours every night, in which the nervous system is inactive, the eyes closed, the postural muscles relaxed, and consciousness practically suspended.”

Sleep is defined as a distinct state of mind and body in which the body is deeply at rest, the metabolism is lowered, and the mind became unconscious to the outside world. It should be clear that the sleeping mind does not become

unconscious entirely, however it shifts the direction of consciousness from one level to another. In fact, the brain has to work harder during the dreaming period of sleep than during the day.

Aristotle proposed that the purpose of sleep was to help the body digest food – although eating a big meal before getting into bed is one of the worst things you can do for your rest.

Sleep type is usually measured by Electroencephalogram and is described behaviourally as reversible loss of consciousness, spontaneous occurrence with an endogenous rhythmicity, perceptual disengagement, quiescence, postural recumbence, closed eyes, pre-sleep behaviour, hypnic mycolonia, inactivation of memory transfer from short-term to long term stores. The EEG pattern during sleep comprise of dominant delta waves during deep sleep during which the most restoration takes place. The dream state is also known as REM (Rapid eye movement) sleep because of the rapid eye movement that accompany it and the light sleep, which often takes up a majority of the time during the night, and which occurs after the above two periods have ended. This is followed by waking state during 24 hours these four states tends to alternate within each individual according to certain regular progressions or rhythms.

Functions of Sleep

The exact function of sleep still to be definitively elucidated many theories have abounded as to the function of sleep. The sleep has following functions:

Restorative theory

Energy conservation (save energy, stop expenditure)

Protection

Wakefulness

Immune function

Growth

Data storage (reverse learning)

Learning (innate)

Protective

Maturation of coordinated eye movement for binocular vision

Vitality and dynamism

Repair and rejuvenation of mind and body

Recovery from fatigue and stress

Enlivens the body's own balancing mechanisms or homeostatic

Scenario of Sleeplessness (Insomnia) or Sleep disorders

Sleeplessness or Insomnia is widely prevalent in our society today, as millions of individual lie awake at night, worrying, mentally balancing our chequebooks, replaying arguments and misunderstandings until there's finally nothing left to do but get up and watch television.

Insomnia is our most wide spread health problem. Virtually every one of us has experienced insomnia at one or the other time. It has been documented that one out of every three adults experienced periodic trouble with sleeping. 10 million Americans consult physicians every year about their sleep problems and about 5 million prescriptions of sleeping pills are written every year. It was stated in one of the survey conducted by National Institute of Health in 1970s that 17 percent of the total population was bothered

by insomnia and its incidence is higher in elderly population. It was further documented that one out of every four people (25%) over the age of 60 has some serious sleep problem. About 60 million Americans each year suffer from insomnia, which can lead to serious sleep deficits and problems. Insomnia tends to increase with age and affects about 40 percent of women and 30 percent of men.

There is misconception that the older people need less sleep and this is how insomnia is considered as normal in elderly, which is a myth. Similarly college students between the ages of 17-25 sleepless during the examination days than their normal requirement. Infact the biological need for sleeping is greater at this age. Sleep deprived individuals are not healthy.

Both young adults and elderly consume significant amount of alcohol. When a chronically sleepless person takes alcohol, than the sleep disorder effect is multiplied. Many of my patient had sleep problems because of faulty lifestyle and inability to cope with the daily stress. There are some people who seems to do just fine with four to six hours of sleep, Darwin, Napoleon and Churchill all slept very little but slept well. Thomas Edison slept only an hour or two, but took a number of brief 'catnaps' during the day to refresh himself.

What are sleep disorders?

Sleep disorders fall into three categories such as:

Primary sleep disorders.

Disorders secondary to mental disorder.

Other sleep disorder related to medical condition or substance abuse.

Primary sleep disorders are caused by some internal disturbance in the sleep wake cycle. They are categorized as:

Dyssomnias involves abnormalities in the amount, quality, or timing of sleep. Common dyssomnias include circadian rhythm sleep disorder, which involves a resetting of the body's sleep clock.

Hypersomnia, which is sleeping too much and sleeping at the wrong times.

Narcolepsy, which involves a sudden, overwhelming need to sleep at all times of the day

Primary insomnia, which is trouble falling or staying asleep.

Sleep apnea, a condition in which breathing stops during sleep.

Parasomnias involve unusual behaviour or body events associated with sleep include nightmare disorders, which involve frightening dreams, sleep terrors, which involve abrupt awakening and intense fear.

Sleep walking, Sleep disorders may also be part of a mental disorder such as anxiety or depression.

What are causes and risk of sleep disorders?

The factors, which worsen the sleep disorders, are alcohol, caffeine, nicotine, cocaine, sleeping pills, stress, night shifts, poor sleeping environment and chronic pain. People with obesity having increased risk of sleep apnea leading to increased tendency for hypertension, coronary events, strokes, sudden cardiac deaths and arrhythmias.

What can be done to prevent the risk of sleep disorder?

The risk of sleep disorders can be

prevented by avoiding alcohol, caffeine and other drugs especially after dinner. One should avoid excessive daytime naps and naps should be less than one hour. Have a comfortable sleeping environment, which should be noise free, quiet, and dark, with optimum temperature and wake up at the same time everyday.

What are the long-term hazards of sleep deprivation?

Sleep deprivation can lower an individual quality of life and increase the risk for accidents. Up to 50% of the individuals with sleep apnea have high blood pressures. They are also at increased risk for the following disorder, arrhythmia, or irregular heart rhythm, which may be fatal, cor pulmonale, or enlargement and weakening of the right side of the heart, heart attack, pulmonary hypertension, or high blood pressure in the lungs and stroke (paralysis) etc.

What are snoring, sleep apnea, narcolepsy, pregnancy and sleep, restless legs syndrome, nightmares, sleep walking (somnambulance)?

Snoring: Many adults snore. The noise is produced when the air you inhale rattles over the relaxed tissues of the throat. Snoring can be a problem simply because of the noise it causes. It may also be a marker of a more serious sleep problem called "sleep apnea". When you fall asleep, many muscles in your body relax? If the muscles in your throat relax too much, your breathing may be blocked and you may snore. Sometimes snoring is caused by allergies, asthma, or nasal deformities that make breathing difficult.

Sleep apnea: Sleep apnea occurs when the upper airway becomes completely or partially blocked, interrupting regular breathing or short periods of time. It can cause severe daytime sleepiness, and evidence is building that left untreated, severe sleep apnea may be associated with high blood pressure and risk for stroke and heart attack. Though apnea means “no airflow,” researchers now know that in most cases of sleep apnea, the obstruction is only partial. Sleep apnea was thought to be a disorder primarily of overweight, middle-aged (or older) men. However, abnormal breathing during sleep (sleep-disordered breathing) can affect persons of any age and either sex, and at least 30% of those affected are not obese. Most people with sleep apnea have a smaller than normal inner throat and other subtle bone and soft-tissue differences.

Drops in blood oxygen during sleep – once thought to cause awakenings among those with sleep apnea—may or may not be present. Most likely, awakening occurs with the increased effort required to overcome the obstruction of the airway. Drinking alcohol can make obstructive sleep apnea worse because it relaxes muscles. Central sleep apnea occurs when signals from your brain to your muscles decrease or stop for a short time. You may not snore if you have central apnea. This type is much more rare.

Pregnancy and sleep: Fatigue during the first trimester of pregnancy is likely due to changing levels of hormones, such as progesterone. Toward the end of a pregnancy, some find it difficult to sleep because they are

uncomfortable due to the size of their abdomen. Some women are too excited, anxious or worried about becoming mothers to sleep well. Other women who are pregnant complain that vivid dreams prevent them from getting restful sleep. Sleep apnea, especially if it's severe and causes your blood oxygen level to drop during sleep, is a risk to the fetus.

Restless legs syndrome: In those who have restless leg syndrome, discomfort in the legs and feet peaks during the evening and night. They may feel an urge to move their legs and feet to get temporary relief. As a result, most people who have the condition have excessive rhythmic or cyclic leg movements during sleep. This can delay sleep onset and cause brief awakening during sleep. Restless leg syndrome is a common problem among middle-aged and older adults. There are many possible causes of restless leg syndrome. Stronger associations include kidney failure, some nerve disorders, vitamin deficiencies pregnancy, iron deficiency, and some medications (such as antidepressants). About 50% of those who have restless leg syndrome have relatives with the same condition.

Nightmares: Nightmares are frightening dreams. They arise during REM sleep. They can be caused by stress, anxiety, and some drugs. Often there is no clear cause. Nightmares can be triggered by a frightening or stressful event, a fever or illness, or use of some medications or alcohol. Night terrors are most common in children but can affect adults who are experiencing emotional or psychological problems.

Sleepwalking (somnambulance): Both night terrors and sleepwalking arise during NREM sleep and occur mostly in children between the ages of 3 and 5. A night terror can be dramatic: Your child may wake up screaming, unable to explain what scared him or her. Sometimes children who have night terrors remember a frightening image, but often they remember nothing. Night terrors are often more frightening for parents than for their child. Sleepwalkers can perform an extensive range of activities, some potentially dangerous (like leaving the house), while they continue to sleep.

What is Insomnia?

It is not unusual to have sleep trouble, if you feel that you don't get enough sleep or satisfying sleep that means your suffering from insomnia. People with insomnia either have difficulty in falling a sleep, waking up often during the night and had trouble going back to sleep, waking up too early in the morning or unrefreshing sleep.

Insomnia can cause problems during the day such as sleepiness, fatigue, difficulty in concentration and irritability. A person with insomnia may also have another sleep disorder such as sleep apnea, narcolepsy, and restless legs syndrome. Insomnia is not defined by the number of hours you sleep every night. The amount of sleep a person needs varies. While most people need between 7 and 8 hours of sleep a night, some people do well with less, and some need more.

Types of Insomnia

An individual can have primary

or secondary insomnia. Primary insomnia means that an individual is having sleep problems that are not directly associated with any other health condition or problem. Secondary insomnia means that an individual is having sleep problems because of something else, such as depression, heartburn, cancer, asthma, arthritis, pain, medication or alcohol consumption. Insomnia can be acute insomnia (short term lasting) and chronic insomnia which long lasting. It can also be intermittent in situations such as emotional instability where insomnia may last from night to few weeks.

Causes of Insomnia

The causes of acute insomnia are as follows:

Significant life stress such as loss of job, change of job, death of loved one, environmental stress.

Tragedy in the family such as a divorce, separation, conflict etc.

Major illness.

Environmental factors like noise, light or extreme temperature such as hot and cold interfere with sleep.

Jet lag or nightshifts such as working in call center/airports.

The causes of chronic insomnia are as follows:

Depression

Chronic stress

Chronic pain

Chronic ailment such as cancer, arthritis etc.

The chronic insomnia occurs when a person has insomnia for at least 3 nights a week for 1 month or longer.

Diagnosis of Insomnia

If you think you have insomnia,

talk to your health care provider or Doctor. An evaluation may include a physical examination, a medical history, and a sleep history. You may be asked to keep a steep diary for a week or two, keeping track of your sleep patterns and how you feel during the day. Your health care provider may want to interview your bed partner about the quantity and quality of your sleep. In some cases, you may be referred to a sleep center for special tests.

Treatment of Insomnia

Acute, short term insomnia may not require treatment. But if your insomnia makes it hard to function during the day because you are sleepy and tired, your health care provider or doctor may prescribe sleeping pills for a limited time. The rapid onset, short acting medications now available avoid many of the earlier problems such as hangovers effects (like feeling drowsy or groggy) the following day. Some medications may be less effective after several weeks of nightly use, however, and long-term safety and effectiveness has not yet been established. Side effects of sleeping pills can be a problem, too. Mild insomnia often can be prevented or cured by practicing good sleep habits.

Treatment for chronic and long-term insomnia includes first treating any underlying conditions or health problems that are causing the insomnia. If insomnia continues, your health care provider or doctor may suggest behavioral therapy or medication. Most medicines that are used for sleep have side effects and must be used with caution. It is not recommended to use

over-the-counter sleeping pills for insomnia. Behavioral approaches to treatment focus on changing behaviors that may worsen insomnia and learning new behaviors to promote sleep. Techniques such as relaxation, exercises sleep restriction therapy, and reconditioning may be useful.

Several other factors:

Age: Infants may sleep up to 16 hours per day. But most won't sleep throughout the night without a feeding until 4 months of age. School aged children may sleep 10 hours a day. Their sleep may be disturbed by an illness or fever. Call your doctor if your child has a fever and is sluggish when waking up. People over 60 may not sleep as deeply as younger people. They may find afternoon naps refreshing. Sleep apnea is more common among older people.

Lifestyle: People who drink coffee, smoke cigarettes, or drink alcohol are more likely to have sleep problems than people who do not.

Medication: Many medications can cause sleeplessness. Others can cause daytime fatigue.

Depression and anxiety: Depression and anxiety often cause insomnia.

Heart failure and lung problems: Some people find it difficult to sleep at night because they become breathless when they lie down. This can be a symptom of heart failure or a problem with the lungs. ■

To be continued..... Part-2 in the Upcoming Issue.

* Read the concluding part of this article, 'Health Miracles of Perfect Sleep' in the upcoming issue of KALEIDOSCOPE Magazine.

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Auditorium



The Auditorium has a capacity of 310 persons (300 Chairs + 10 Nos. Chairs at stage) capacity equipped with projector, screen and mikes on dais and podium on stage.

Mirza Ghalib Chamber



The chamber having capacity of 108 persons (102 Nos. Chairs + 6 Nos. Chairs on Dais) equipped with 2 Nos. projector & screen and mikes on table, dais and podium.

Tagore Chamber



The chamber has capacity of 92 persons (86 Nos. Chairs + 6 Nos. Chairs on Dais) equipped with 2 Nos. projector & screen and mikes on dais, tables & podium.

Bhabha Chamber (Board Room)



The chamber has the capacity of 44 persons (24 Nos. Chairs on round table and 20 Nos. Chairs on sides) equipped with projector, screen and mikes on dais, tables & podium.

Fazal Chamber



The chamber has a capacity of 25 persons (15 Nos. Chairs on round table and 10 Nos. Chairs on sides) capacity with board room type sitting arrangement equipped with projector, screen and mikes.

Business Centre



The Business Centre has a capacity of 7 persons equipped with multi point Video Conferencing System (1+3), that can connect with three locations at a time.

Annexe II



The Annexe-II has the capacity of 15 Persons and is equipped with projector and screen.

Banquet Hall



The banquet hall has a capacity of 500 Persons for the purpose of lunch & dinner. Sitting arrangement could be done for 40 persons.

Tansen Chamber at UB



The Tansen Chamber has the capacity of 30 persons and also a stage & podium equipped with projector and screen.

Annexe I



The Annexe-I has a capacity of 20 Persons and is equipped with projector and screen.

Amir Khusro Chamber at UB



The Amir Khusro Chamber has capacity of 35 persons with facility of stage & podium equipped with projector and screen.

For Booking & Tariff details please contact:

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Conference Facilities at SCOPE Minar Convention Centre, Laxmi Nagar, New Delhi

SCOPE Minar, Architecturally conceived in the form of two high rise curvilinear tower with blocks sitting on a four storey circular Podium Block, is strategically located in Laxmi Nagar District Centre, Delhi -110092 and housing around 40 PSEs of repute. It is one of the iconic buildings of East Delhi. It has a huge foyer which gives an ambience look inside the building. There is greenery all around the SCOPE Minar building with large size planters. The building also has state-of-the-art Convention Centre comprising of five conference halls i.e.

Auditorium



The auditorium has a capacity of 350 delegates. Various seminars, training programmes, presentations, get together etc. can be conducted in auditorium which is equipped with projector and screen. It provides ambient and peaceful environment for the programmes.

VIP Lounge



VIP Lounge has sitting capacity of 30 delegates. The executives and higher level officers, Directors, CMDs can use it as waiting lounge also.

Board Room



Board room having "U" shaped table, has a sitting capacity of 50 delegates with modern facilities - projector, screen, sound system, table mic etc.

SCOPE Academy of Public Sector Enterprises



SCOPE Academy of Public Sector Enterprises (APSE) conducts induction level programmes for PSEs' executives. It has three training halls equipped with projector, screen, sound system etc. one with capacity of 40 persons and two halls with capacity of 30 persons each for training purpose.

Meeting Hall



Meeting hall having "U" shaped table, has a sitting capacity of 62 delegates. Most widely used for small size meetings and training programmes, group discussion, power point presentations etc. and is equipped with projector and screen.

For Booking & Tariff details for Convention Center, SCOPE Minar, Laxmi Nagar please contact

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gopal@scopeonline.in

There is a wide space for vehicle parking that cater to a capacity of 550 cars, including the newly built good quality Banquet Hall wherein 300 delegates can comfortably dine at a time, making it special to deliver an all-round conducive meeting environment.

Hon'ble Prime Minister unveils HAL's TT-40 at DefExpo-2022



Hon'ble Prime Minister, Shri Narendra Modi unveiling HTT-40 at the India Pavilion during DefExpo-2022 in the presence of Shri Rajnath Singh, Union Minister of Defence and Shri Bhupendrabhai Patel, Chief Minister of Gujarat.

The Hon'ble Prime Minister, Shri Narendra Modi unveiled HTT-40 the indigenous trainer aircraft designed and developed by Hindustan Aeronautics Limited (HAL) at the India Pavilion during DefExpo-2022. Shri Rajnath Singh, Union Minister of Defence and Shri Bhupendrabhai Patel, Chief Minister of Gujarat were present on the occasion. The aircraft has state-of-the-art contemporary systems and has been designed with pilot-friendly features.

The Basic Trainer Aircraft (HTT-40) indigenously designed and

developed by HAL. HTT-40 would be used for basic flight training, aerobatics, instrument flying and close formation flights whereas its secondary roles would include navigation and night flying.

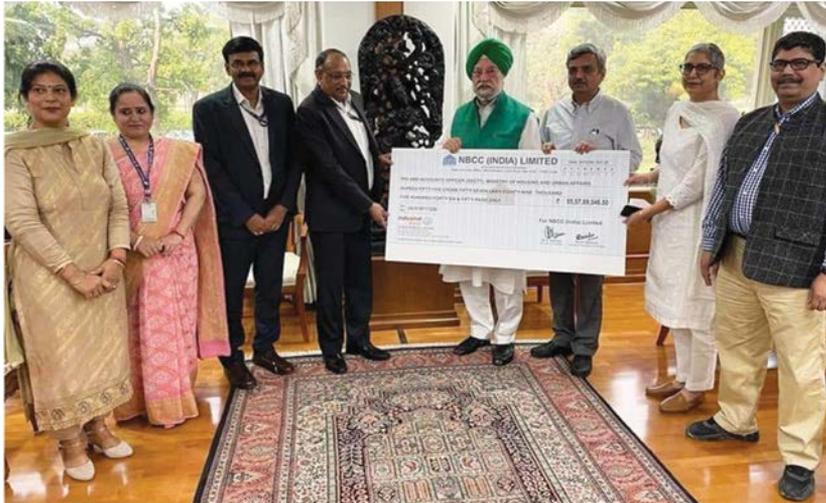
Built around a meticulously-tested, turbo-prop engine, it is equipped with the latest avionics, an air-conditioned cabin and ejection seats. HTT-40 boasts of unique features like running change-over of pilots, hot-refueling and short- turnaround time.

The HTT-40 will be certified to international military aircraft

training standards. All the tests required for certification were completed in record six years from the first flight.

The HTT-40 has completed all Systems tests, all PSQR performances, hot weather, sea level and cross wind trials and user assisted technical trials. It controls optimized and 10 Turn Spins demonstrated on clean aircraft. The aircraft demonstrated for rain water resistance. All systems certified to PSQR and FAR 23. Provisional clearance for Airworthiness of the aircraft is received from CEMILAC. ■

NBCC and its subsidiary HSCL pays dividend to the Government



Shri Pawan Kumar Gupta, CMD, NBCC and Chairman, HSCL handing over the dividend cheque to Shri Hardeep Singh Puri, Minister for Housing & Urban Affairs (MoHUA) and Minister for Petroleum and Natural Gas in the presence of Smt B.K. Sokhey, Director (Finance); Smt. Deepti Gambhir, Company Secretary, NBCC; Shri TLN Reddy, MD, HSCL; Shri Rahul Kashyap, Government Nominee Director/Director (Delhi Division), MoHUA and Smt. Ruchi Gupta, Company Secretary, HSCL.

NBCC (India) Ltd. and its subsidiary Hindustan Steelworks Construction Limited (HSCL) paid Dividend of Rs 55.58 crore and Rs 4.1 crore (including interim dividend) respectively to the

Government of India (GoI) for FY 2021-22 recently.

The Dividend cheques were handed over to Shri Hardeep Singh Puri, Minister for Housing & Urban Affairs (MoHUA) and Minister for Petroleum and Natural Gas by Shri Pawan Kumar Gupta, CMD, NBCC and Chairman, HSCL in the presence of Shri Manoj Joshi, Secretary (MoHUA).

Other distinguished guests who graced the occasion included, Smt B.K. Sokhey, Director (Finance) and Smt Deepti Gambhir, Company Secretary, NBCC; Shri TLN Reddy, MD; HSCL, Shri Rahul Kashyap, Government Nominee Director/Director (Delhi Division), MoHUA and Smt Ruchi Gupta, Company Secretary, HSCL. ■

BHEL secures EPC order for 2x660 MW Talcher Thermal Power Project Stage-III



BHEL has received an order for setting up the 2x660 MW Talcher Thermal Power Project Stage-III on EPC (Engineering, Procurement & Construction) basis from NTPC Ltd. ■



Director General, CSIR and Secretary DSIR distributes wage arrears of Rs. 19 Crore



Dr. N. Kalaiselvi, Director General, CSIR and Secretary DSIR distributing wage arrears along with Shri Chetan Prakash Jain, CMD, CEL, Shri Surinder Pal Singh, Joint Secretary, DSIR, Shri Mahendra Kumar Gupta, Joint Secretary, CSIR, Dr. Sujata Chaklanobis, Scientist 'G' and other dignitaries.

Dr. N. Kalaiselvi, Director General, CSIR and Secretary DSIR, Ministry of Science and Technology made her first visit to Central Electronics Limited. She planted a sapling in the company premise along with Shri Surinder Pal Singh, Joint Secretary, DSIR, Shri Mahendra Kumar Gupta, Joint Secretary, CSIR and Dr. Sujata Chaklanobis, Scientist 'G'. Thereafter, she visited the Solar Technology Park and the production areas of the company. She addressed the officials and employees of CEL and distributed wage arrears of Rs. 19 crore to the 175 present and 539 retired employees of CEL & surviving family members.

Dr. N. Kalaiselvi, Director General, CSIR and Secretary DSIR appreciated the work done by CEL in the area of defence and railway electronics. She said that CEL has a very bright future as it has established itself in the solar PV, Railway electronics, strategic defence electronics and integrated security system areas which are contributing towards Make in India and AatmaNirbhar Bharat objectives of Government of India. She lauded the work done by CEL in the 48 years and the reach of CEL in the rural India through Solar PV products and smart class rooms.

Shri Chetan Prakash Jain, CMD, CEL thanked DG, CSIR and Secretary, DSIR and for her support and words of encouragement. He told that CEL's employees have been working tirelessly for increasing the productions, addition of new products and for increasing the profitability of CEL. He informed that CEL has been earning profits for more than 8 years and had already paid wage arrears due from 1997 in the past years but the arrears of wage revision of 2007 were due. The efforts of the employees have borne fruits and CEL has earned handsome profit in the financial year 2021-22 and now the wage arrears of year 2007 are fully paid. ■

BEL wins SIDM Champion Award for Technology & Product Innovation BEL's Central Research Laboratory-Bangalore wins Kudos



Raksha Mantri, Shri Rajnath Singh, after presenting the SIDM Champion Award 2022 for BEL, seen here with Shri L Ramakrishnan, Chief Scientist of BEL's Central Research Laboratory (CRL), Bangalore and Dr. Ramesh Chaveli, Principal Scientist (CRL-Bangalore) at the awards ceremony organised in New Delhi.

Bharat Electronics Limited (BEL) has received the Society of Indian Defence Manufacturers (SIDM) Champion Award 2022 under the category of "Technology & Product Innovation for Large Companies".

Raksha Mantri, Shri Rajnath Singh presented the award to Shri L. Ramakrishnan, Chief Scientist of BEL's Central Research Laboratory (CRL), Bangalore and Dr. Ramesh Chaveli, Principal Scientist (CRL-Bangalore) at the awards ceremony organised in New Delhi. ■

Sustainability and Culture – the focus of campaign on Agni Tattva's first seminar in Leh



Shri R. K. Mathur, LG, Ladakh addressing the participants during inauguration of the Agni Tattva Campaign.

Power Foundation of India in association with Vijnana Bharati (VIBHA) is currently running a campaign to create awareness on Agni Tattva under LiFE - Lifestyle for environment. This campaign includes conferences, seminars, events and exhibitions across the country involving educational institutions, communities and relevant organisations to create awareness on the core concept of Agni Tattva, an element that is synonymous with energy and is amongst the five elements of Panchmahabhoot.

The first conference of the Agni campaign was organised in Leh on the theme of 'Sustainability and Culture'. It witnessed participation from key stakeholders working in the areas of energy,

culture and sustainability, from diverse fields such as administration, policy makers, academics and start-ups.

The conference was inaugurated by LG of Ladakh, Shri R. K. Mathur. Speaking on the occasion, he said Ladakh always had a sustainable lifestyle. However, increased modernisation is leading to imbalance in the ecosystem of the region. This not only adversely impacts the region but could also alter the monsoon cycle of the entire country since it is inter-linked with the Himalayan ecosystem. The UT administration of Ladakh has laid out a clear roadmap to reverse this imbalance and move towards sustainable development. He emphasised on several key areas.

Ladakh has immense solar energy potential, which should be harnessed. Ladakh should work towards generating systems to provide power to remote areas. The focus is to provide decentralised renewable solar power across Ladakh thereby reducing grid dependency. This is in line with Hon'ble PM's vision of a Carbon Neutral Ladakh.

Shri Jamyang Tsering Namgyal, MP of Ladakh, emphasized on an interdependent world. The Indian philosophy views the world as one and everything in it as one. In the development model so far, the oneness has been lost. The model being formulated by Hon'ble PM is based on Oneness, such as One Sun, One World, One Grid.

The Agni Tattva campaign - Energy for LiFE, an initiative under the umbrella campaign of Sumangalam, was launched by Shri R K Singh, Union Minister, Power and New and Renewable Energy, in New Delhi recently. A series of seminars spanning the length and breadth of the country, have been planned as a part of the campaign.

Power Foundation of India is a Society formed under the aegis of Ministry of Power, Government of India and supported by leading CPSEs. The Foundation is involved in areas of advocacy and research, positively impacting the evolving energy landscape. ■



16th meeting of TOLIC (U), Bhubaneswar, organized at NALCO

Awards presented for implementation of official language



Shri Sridhar Patra, CMD, NALCO and president TOLIC (U) addressing the participants during the Hindi Fortnight celebration.

The second half-yearly meeting of Town Official Language Implementation Committee (TOLIC) for 2022-23 was held at the NALCO Corporate office auditorium at Bhubaneswar. National Aluminium Company Limited (NALCO) as the nodal office organized the TOLIC meeting with the participation of other member offices of the CPSEs operating in Bhubaneswar.

The meeting was organised under the Chairmanship of Shri Sridhar Patra, CMD, NALCO and president TOLIC (U). Shri Nirmal Kumar Dubey, Assistant Director (Implementation), Department of Official Language, Ministry of Home Affairs, Government of India along with Shri Radhashyam Mahapatro, Director (HR), NALCO were also present on the occasion as the distinguished guests.

On this occasion, awards were also distributed to winners of various competitions that were organized

earlier among the participating TOLIC (U) members under the Hindi Fortnight celebration. Addressing the participants, Shri Sridhar Patra, CMD, NALCO said that being a Government of India organisation, it is our collective responsibility

to work for promotion and implementation of official language Hindi.

Shri Nirmal Kumar Dubey, Assistant Director (Implementation), Department of Official Language, Ministry of Home Affairs, Government of India, appreciated the efforts of NALCO in organising the TOLIC (undertaking) meeting and support of all the member organizations in the progressive use of Hindi in the region.

During the event, Airports Authority of India, Hindustan Petroleum Corporation Ltd. and Bharat Petroleum Corporation Ltd. also received first, second and third prize respectively under the Best Official Language Implementation offices category. ■



Shri Sridhar Patra, CMD, NALCO and president TOLIC (U) presenting the award for the implementation of official language at Hindi Fortnight celebration in the presence of officials from Government of India.

NRL presents Interim Dividend Cheque of Rs. 114.76 Crore to Govt. of Assam for FY 2022-23

NRL presented the 1st Interim Dividend of Rs. 114.76 crore, to the Govt. of Assam for the FY 2022-23 for its equity stake of 26% in the Company.

Dr. Ranjit Rath, Chairman, NRL and CMD, OIL presented the Dividend Cheque to Dr. Himanta Biswa Sarma, Chief Minister of Assam in the presence of Shri Rameswar Teli, Minister of State, Petroleum and Natural Gas; Shri Bhaskar Jyoti Phukan, MD, NRL; Shri Indranil Mitra, Director (Finance), NRL; Shri Sudip Pradhan, Independent Director of NRL Board and Smt. Madhuchanda Adhikari, GM (Corp. Comm.), NRL at the State Secretariat.



Dr. Ranjit Rath, Chairman, NRL and CMD, OIL presenting the Dividend Cheque to Dr. Himanta Biswa Sarma, Chief Minister of Assam in the presence of Shri Rameswar Teli, Minister of State, Petroleum and Natural Gas; Shri Bhaskar Jyoti Phukan, MD, NRL; Shri Indranil Mitra, Director (Finance), NRL; Shri Sudip Pradhan, Independent Director of NRL Board and Smt Madhuchanda Adhikari, GM (Corp. Comm.), NRL.

Earlier, the Board of Directors of NRL had approved the payment of 1st Interim Dividend for Financial Year 2022-23 @ 60% (i.e. Rs. 6.00/- per fully paid equity shares of Rs. 10/- each) on the paid

up share capital of the Company. NRL continues to contribute to the development of Assam as one of the leading Public Sector Enterprises headquartered in the State of Assam. ■

BEML Showcases its Products @ DEFEXPO – 2022

BEML Limited participated in a big way by showcasing its products at an indoor and outdoor pavilions during DEFEXPO 2022 show, the 12th biennial edition of defence exhibition held in Gandhinagar, Gujrat focused with the theme "PATH TO PRIDE".

Further, BEML exhibited its "SARVATRA Bridge System", an Armoured Crew protected vehicle like "Medium Bullet Proof Vehicle (MBPV Mk-II)", "Track Width Mine Plough (TWMP-T90)" and "Bulldozer with Hydrostatic Transmission drive technology (BD-50HST)" in its outdoor stall.

BEML also exhibited its range of products like High Mobility Vehicle (HMV) Engine, HMV

Transmission, BMP tank Transmission, T-72 tank Trans-mission, Unmanned Aerial Vehicle (UAV), GSLV mockup Structure, QRSAM Motor Casing etc., in its Indoor Hall.

Apart from this, BEML is manufacturing "Armoured Recovery & Repair Vehicle on Arjun platform" in association with CVRDE, "Mechanical Minefield Marking Equipment - Mk -II", built on BEML 6x6 an 'Aatmanirbhar' product in association with R & DE Engineers", "Truck Mounted Excavators", "High capacity engines for DRDO", "Autonomous Ground Vehicles (Tracked & Wheeled)", "Mounted Gun Systems in association with AWEIL" and "Armoured cabin for BEML

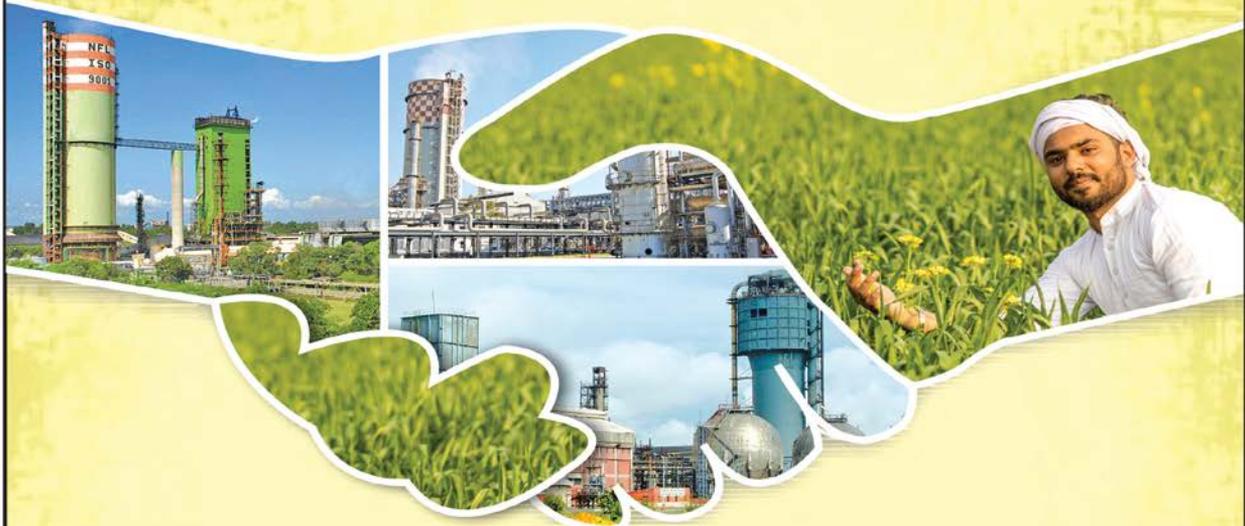
HMV vehicle with DRDO" etc.

BEML's main focus at DEFEXPO 2022 is to display it's capability, Promote Defence products, Export opportunities for the defence equipments in foreign countries, interact with probable customers to understand their requirements for supply of customized specific products under Aatmanirbhar Bharat Abhiyan mission and to explore collaborations with foreign companies. Also BEML signed MoUs with major international and domestic players in the defence space during event. Moreover, it is also an opportunity to network with MSME and start-ups for maximizing localization/indigenization. ■



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NLCIL pays Rich Tributes to The Great Soul

NLC India Limited paid rich tributes to Mahatma Gandhiji, the father of our Nation, on his 153rd birth anniversary.

The Gandhi Jayanti celebrations at Neyveli started off with the garlanding of Mahatma Gandhi's statue by Shri Rakesh Kumar, CMD, NLCIL at the Township Administration office premises in the presence of Shri Shaji John, Shri K. Mohan Reddy, Shri Suresh Chandra Suman, Functional Directors and Shri L. Chandrasekar, Chief Vigilance Officer, NLCIL. Gandhiji's favourite song "Ramdhun" was recited by members of Neyveli Ladies club.

As a part of Azadi Ka Amrit Mahotsav, 3rd edition of the "Fit India Freedom Run" which was started in 2020 by the Ministry of Youth Affairs and Sports, GoI to mark Gandhi Jayanti of national importance, with the theme "Azadi ke 75 Saal, fitness rahebe-misaal". This year, a plog run of 3Km by 100 students was organized in which students collected plastic wastes on either side of the road in the Neyveli township. The Plog run was flagged off by Shri Rakesh Kumar, CMD, NLCIL after the garlanding of Mahatma Gandhi statue.

Shri Rakesh Kumar, CMD, NLCIL, addressing the gathering at a function at Learning & Development Centre, paid respect and rich tributes to Mahatma Gandhiji. He recalled the humble origins of Gandhiji and traced the growth and evolution of the freedom movement through Truth, Non-violence and Universal love that achieved



Shri Rakesh Kumar, CMD, NLCIL, garlanding the bust of Mahatma Gandhi at Neyveli on his 153rd Birth Anniversary.



Shri Rakesh Kumar, CMD, NLCIL, flagging off the FIT INDIA PLOG RUN 3.0 at Neyveli as part of the Azadi Ka Amrit Mahotsav (AKAM) during the 153rd Gandhi Jayanti Celebrations.

world prominence. He also talked about Gandhiji's vision on India's development which laid greater emphasis on Health, Sanitation and Environment. In line with that vision he mentioned that, as envisaged in CPSE Conclave Vision 2022, under the smart city Scheme, Solid Waste Management

system has been implemented in Neyveli Township to improve the cleanliness. He also requested all to rededicate ourselves to adapt to the principles and values of Gandhiji through value based services to enrich the lives of people around and create a better society, better country and better world. ■

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PSEs Hold Annual General Meeting

106th Annual General Meeting of GRSE

The 106th Annual General Meeting (AGM) of Garden Reach Shipbuilders & Engineers Limited (GRSE) was held through VC/OAVM. The Meeting was attended by Cmde PR Hari, IN (Retd.), CMD, GRSE, Shri R. K. Dash, Director (Finance), Cdr Shantanu Bose, IN (Retd.), Director (Shipbuilding), Shri Sandeep Mahapatra, Company Secretary along with the Independent & Govt. Nominee Directors and shareholders of the company.



Cmde PR Hari, IN (Retd.), CMD, GRSE along with other senior officials from GRSE during the 106th Annual General Meeting.

The Company demonstrated a very strong performance during the year 2021 - 22:

- Revenue from Operation as on 31.03.22 is Rs. 1758 crore as against previous year of Rs. 1141 crore, increased by Rs. 617 crore registering a growth of 54%.
- Total Income as on 31.03.22 is Rs. 1918 crore as against previous year of Rs. 1327 crore, increased by Rs. 591 crore registering a growth of 45%.
- Operating Profit as on 31.03.22 is Rs. 104 crore as against previous year of Rs. 42 crore, increased by Rs. 62 crore registering a growth of 147%.
- Profit Before Tax (PBT) increased by Rs 50 crore registering a growth of 24%.
- EBITDA increased by Rs 57 crore registering a growth of 24%.
- Profit After Tax (PAT) increased by Rs 36 crore, registering a growth of 24%.
- Earnings per share (EPS) increased by Rs 3.15 per share with a growth of 23.51%.

The total Dividend declared for the Financial Year 2021-22 is Rs. 5.80/- per equity share of face value of Rs. 10/- each.

Addressing the shareholders, Cmde PR Hari, IN (Retd.), CMD, stated that GRSE has a strong order book of approximately Rs. 24000 crores as on 31st March, 22. GRSE has been consistent in paying dividend to the Shareholders and has done so every year for the last 29 consecutive years. He also stated that the company is on a growth trajectory and expressed confidence in sustaining the performance in the coming years. He expressed his gratitude to Team GRSE for effectively managing the challenges brought on by the pandemic and appreciated the resilience and determination of all the employees in taking the Company forward both in terms of financial & production performance. The unstinted support from the Ministry of Defence, Indian Navy, Indian Coast Guard, Central and State Government Authorities has helped GRSE achieve its goals, he said. The CMD also took the opportunity to extend his gratitude to all the investors for the confidence they reposed in the Company, which was further reflected by the Company's increased market capitalization.

The 105th Annual General Meeting of Balmer Lawrie & Co. Ltd

The past two years have been difficult for the world economy which continues to be plagued by uncertainty on account of repeated waves of infection of the COVID-19 pandemic. It is not just about the immediate disruptions and uncertainty caused by repeated waves of the pandemic, but also the long-term uncertainty about the post-COVID world due to accelerated shifts in technology, consumer behaviour, supply chains, geo-politics, climate change and a host of other factors. Not only are these individual factors difficult to forecast, the impact of their interplay is also fundamentally unpredictable.

Balmer Lawrie recorded net turnover of Rs. 210484.97 lakhs during Financial Year 2021-22 as against Rs. 159276.79 lakhs in Financial Year 2020-21, which is an increase of



officials of Balmer Lawrie & Co. Ltd., during 105th Annual General Meeting.

approximately 32.15% over last year. The Company recorded a Profit Before Tax of Rs.17014.45 lakhs in Financial Year 2021-22 as against Rs. 15664.97 lakhs in Financial Year 2020-21. The increase is attributable to the easing out effect of the COVID-19 pandemic on the performance of SBU: Travel and Vacations which was severely affected in FY 2020-21 due to the same.

55th Annual General Meeting of Hindustan Copper Ltd.

Shri Arun Kumar Shukla, CMD, HCL addressed the Shareholders at the 55th Annual General Meeting of the Company held recently through Video Conferencing. The Shareholders approved annual accounts and payment of dividend for FY 2021-22 equivalent to 23.20% of capital and total payout on this account is Rs. 112.17 crore. Many of the Shareholders have appreciated the performance and the financial management of the Company.



Shri Arun Kumar Shukla, CMD, HCL along with Shri Sanjay Panjiyar, Director (Operations), Shri Ghanshyam Sharma, Director (Finance), Shri Sanjiv Kumar Singh, Director (Mining) and Shri C. S. Singhi, ED (Co Secretary) at the 55th Annual General Meeting.

The meeting was also attended by Shri Prakash Mundharikar from the Ministry of Mines, Govt. of India as nominee of the President of India, Shri Sanjay Panjiyar, Director (Operations), Shri Ghanshyam Sharma, Director (Finance), Shri Sanjiv Kumar Singh, Director (Mining) and Shri A. G. K. Prasad, Shri Avinash J. Bhide, Smt Hemlata Verma, Independent Directors and Shri C. S. Singhi, ED (Co Secretary), among others.

While replying to the Shareholders' queries, Shri Shukla apprised them about ongoing mine expansion plans of the Company. The production from HCL's flagship project, Malanjkhand Underground Mine, has already commenced. He further stated that the Company is moving forward to achieve its production targets. CMD, HCL also informed that the Company has repaid loan of Rs 729 crore in FY 2021-22 from its internal accruals.

Further, Shri Shukla threw light on the increase in Copper LME price in coming days on the back of soaring demand of Copper in the international market.

FY 2021-22 highlights:

- Highest ever net Turnover of Rs 1812 crore.
- Profit Before Tax has surged by 338% to Rs 381.76 crore.
- The Dividend payout is 30.01% of PAT of the financial year. The dividend per share is highest ever declared by the Company.
- Rs. 500 crore raised through QIP in April 2021. The Company is the first ever non-banking CPSE to raise equity from market through QIP. The proceeds are being used to fund its ongoing mining capex.
- The Company has been rated ICRA A1+ (the best possible rating on short term scale) & ICRA AA+ (stable) (the second-best rating on long term scale) for its borrowing limits.

IRFC holds its 35th Annual General Meeting; Net Profit nears ₹6,100 crore mark in FY22

The 35th Annual Meeting of the Indian Railway Finance Corporation Limited (IRFC) was held under the Chairmanship of its CMD, Shri Amitabh Banerjee.



Senior officials of Indian Railway Finance Corporation Limited during 35th Annual General Meeting.

While addressing the AGM, Shri Amitabh Banerjee said: “IRFC reported a strong financial performance during the year under review, with all-time high revenue and profits. The net profit of IRFC for FY 22 stood at ₹6,089.84 crore, an increase of 37.89% against ₹4416.13 crore in the last fiscal.”

Shri Banerjee further informed that the total revenue from operations grew by 28.71%, year-on-year, amounting to ₹20,298.27 crore against ₹15,770.22 crore in the last fiscal year. The company has declared a total dividend of ₹1,829.59 crore which works out to 30.04% of PAT for FY 2021-22, he added.

While addressing the shareholders during the virtual AGM, Shri Banerjee informed that IRFC disbursed an amount of ₹60,683.41 crore in FY22 to the Indian Railways. The AUM for FY22 stands at ₹4,29,851 crore, registering a year-on-year growth of 16.03%.

He informed that the capital adequacy ratio of IRFC continues to remain strong at 439.73% in FY22. The total Capital Outlay (Capital Expenditure) of MoR for the year 2021-22 was ₹1,90,000 crore out of which IRFC’s disbursement against the same was significant at ₹60,683.41 crore, which constituted 31.4% of total capital outlay for the year 2021-22.

The Annual General Meeting was attended by Shri Mohit Sinha, Additional Member (Revenue)/ Railway Board, Representative of Hon’ble President of India; Smt. Shelly Verma, Director (Finance), IRFC; Shri Baldeo Purushartha, Government Nominee Director; Shri Bhaskar Choradia, Government Nominee Director; Shri Vallabhbai Maneklal Patel, Non-Official/Independent Director; Smt. Sheela Pandit, Non-Official/Independent Director; Shri Vijay Shirode, Company Secretary; Shri D. K. Singh, Statutory Auditor and others. A total of 139 shareholders participated in the virtual AGM.

NALCO’s 41st Annual General Meeting



FY 2021-22: NALCO Breaks Several Past Records with Robust Performance in Physical and Financial Parameters

- Highest-ever sales turnover of Rs 14,181 crore and Highest ever Profit After Tax of Rs. 2,952 crore.
- Achieves Highest-ever bauxite production of 75,11,075 MT and Highest-ever Aluminum cast metal production of 4,60,000 tonnes.

In the 41st Annual General Meeting held recently the shareholders of National Aluminium Company Limited (NALCO), have approved the Annual Accounts for 2021-22 with a sales turnover of Rs. 14,181 crore, and highest ever Profit after Tax of Rs. 2,952 crore. Final dividend of 30% i.e. Rs. 1.50 per equity share, recommended by the Board, was also approved. The interim dividend declared and paid and the final dividend approved totaling 130% of paid up equity share capital is the highest ever since inception.

In FY 2021-22, NALCO has reported the highest-ever Aluminium cast metal production of 4,60,000



Shri Sridhar Patra, CMD, NALCO along with other senior officials of NALCO during 41st Annual General Meeting.



tonnes by operationalizing all its 960 pots at its Smelter Plant, resulting in 100% capacity utilisation for the first time since inception.

Addressing the shareholders through the virtual platform on this occasion, Shri Sridhar Patra, CMD, NALCO said that FY 2021-22 was a historic year in the journey of business excellence of NALCO. Apart from higher benchmarks in physical and financial performances, the company has achieved unprecedented milestones, breaking several past records since the inception of the Company.

“The spectacular results is a testimony to the extraordinary attitude demonstrated by NALCO collective in the face of pandemic induced adversity. Despite inflation in various input costs, coal crisis, and uncertainty in LME prices, the Company has been able to maintain the status of being the lowest cost producer of Bauxite and Alumina in the World”, he said.

Highlighting about the ongoing future plans of the company, Shri Patra said that the company is hopeful for operationalization of Utkal-D Coal Block in FY 2022-23 which will help ease out the coal crisis, which the company is facing at present and provide energy security to the high-power intensive Smelter plant.

29th Annual General Meeting of Numaligarh Refinery Limited held

The 29th Annual General Meeting of Numaligarh Refinery Limited (NRL) was held at NRL Corporate Office, Guwahati. The Meeting was presided over by Dr. R. Rath, Chairman, NRL and CMD, OIL and was attended by Shri B. J. Phukan, MD, NRL and other members of the NRL Board and shareholders of the Company. The Company has declared Dividend of 150% during the Financial Year 2021-22 (₹15.00 per fully paid equity share of ₹10 each) which has already been disbursed as Interim Dividend during the year.

The Financial Year 2021-22 ended on a positive note, despite challenges and uncertainties that the Company was able to successfully surmount; leveraging on resilience, adaptability and robust systems and procedures. Addressing the shareholders of the Company, Dr. R. Rath, Chairman said, ‘NRL is determined in its pursuit of executing the major ongoing projects in hand; namely, the Numaligarh Refinery Expansion Project (NREP), Paradip Numaligarh Crude Oil Pipeline (PNCPL)



A glimpse of the 29th AGM of NRL being presided over by Dr. Ranjit Rath, Chairman, NRL and CMD, OIL.

& Crude Oil Import terminal at Paradip (COIT), 2G Ethanol Project and India-Bangladesh Friendship Pipeline (IBFPL). In the next 5 years, your company has planned to invest more than ₹35,000 crore in completing these projects which will enable long term business growth, both in terms of revenue and profit. Hence, completing these projects without any time and cost overrun remains the core focus area of the company.’

During the year, the Company has achieved highest ever sales turnover of ₹23,546 crore which was higher by 26.95% as against ₹18,548 crore in the previous year, primarily on account of increase in product prices. Highest ever Profit before Tax (PBT) was also achieved by the Company at ₹4,848 crore, which is higher by 18.37%, as compared to ₹4,083 crore of the previous financial year mainly due to increase in overall gross margin and higher inventory gains. Accordingly, the Company posted record profits for the year with Profit after Tax (PAT) of ₹3,562 crore as compared to ₹3,036 crore of the previous year, registering an increase of ₹525 crore. The Compound Annual Growth Rate (CAGR) for PAT stood at 27.41% since commencement of commercial production. The Earning per Share (EPS) for FY 2021-22 stood at ₹48.42 as compared to ₹41.27 in FY 2020-21.

Net worth of the Company has increased to ₹8,388 crore as on 31st March, 2022 as compared to ₹5,596 crore in the previous year. The Company has contributed a total of ₹5,809 crore to the Government exchequer in the form of taxes, duties and dividends.

Oil India Records Highest Ever Profit in FY 2021-22

Oil India Limited (OIL) held its 63rd Annual General



Dr. Ranjit Rath, CMD, OIL, during 63rd Annual General Meeting.

Meeting (AGM). During FY 2021-22, Oil India recorded its highest ever Profit after tax at ₹3,887.31 crores, a growth of 123% over last year with a substantial increase in Earnings per Share (EPS) at ₹35.85. The company also recorded its highest ever total income at ₹16,428 crores during the year with a total CAPEX of ₹4,367 crore, which was 106% of its target.

Aligned with the national priorities, Oil India is placing greater thrust on exploration activities

thereby attempting to create significant value proposition for the future. In line with the Government of India's Hydrocarbon Vision 2030 for NE India and thrust on reducing imports, Oil India has embarked upon an aspirational target of Mission 4 plus for significant increase in production of Crude Oil and Natural Gas. In this direction, the company recorded the highest ever record production of Natural Gas since inception at 3.045 BCM as against 2.642 BCM in 2020-21. The company also improved its Crude Oil production at 3.010 MMT as against 2.964 MMT in FY 2020-21.

Oil India commissioned India's first 99.9% pure Hydrogen Pilot Plant in Assam, which is OIL's first significant step towards boosting Green Hydrogen economy in India.

Dr. Ranjit Rath, CMD, Oil India Limited, in his AGM address, echoed that Oil India is committed in its quest for enhanced & expedited coverage of exploration acreages and augmented production of Crude Oil & Natural Gas, aligned with the national priorities, the hydrocarbon vision of Government of India and the energy security of the nation. ■

Mazagon Dock – First Indian Shipyard to introduce Augmented Reality

Digital Technologies have tremendous capabilities in eliminating unnecessary rework, as well as improving the delivery timelines and quality of construction of Naval Vessels.

Mazagon Dock Shipbuilders Ltd. (MDL) has been a thought leader in incorporating digital technologies as part of its Industry 4.0 Initiatives.

MDL was the first Shipbuilder in India, to introduce the use of Virtual Reality (VR) for ship design reviews and approvals by the Navy. This alone has helped reduce timelines for finalizing approvals of design by almost 2-3 years for every project.

"The use of Industry 4.0 technologies like Augmented Reality (AR) and Artificial Intelligence (AI) are a game changer. We can now provide access to 3D design models to production and inspection teams working on the actual vessel. It enables them to see each and every inch of design details in 1:1 scale by superimposing the model data on the physical ship."

The advantages are very clear. With the digital model on the shop floor, you eliminate communication



gaps between production teams and design teams as well as our valued customers.

There is also no risk of production teams using outdated drawings, which was typical when they used paper drawings. The technology is ground breaking and cost effective since it is based on Commercial of the Shelf (COTS) handheld technology.

"We are proud to inform that the complete technology has been developed indigenously as part of the Hon'ble PM's Aatmanirbhar Bharat and Digital India initiatives."

To give users the actual experience the demo was displayed at MDL Stall at DefExpo 2022. ■



Govt Green Energy mission gets a shot in the arm with BEL's EV charging station

BEL entrusted with task of setting up EV charging infrastructure at 4 highways/expressways



Shri Dinesh Kumar Batra, CMD, BEL using the EV charger at the newly inaugurated BEL EV charging station in the presence of Shri Debashis Chakravarty, Chief General Manager, HPCL, Shri Bhanu Prakash Srivastava, Director (Other Units), Smt Prabha Goyal, GM (Panchkula), BEL and other senior officers of BEL and HPCL.

In a bid to promote the Government of India's Green Energy drive, Bharat Electronics Ltd. (BEL), in collaboration with Hindustan Petroleum Corporation Ltd. (HPCL), has set up a fast Electric Vehicle (EV) charging station at the HPCL Retail Outlet at Amravati Enclave near Pinjore on the Chandigarh-Shimla Highway. The charging station has two guns of 25 KW each of CCS-2 protocol.

Shri Dinesh Kumar Batra, CMD, BEL, inaugurated the new facility in the presence of Shri Debashis Chakravarty, Chief General Manager, HPCL, Shri Bhanu Prakash Srivastava, Director (Other Units), BEL, Smt. Prabha Goyal, GM (Panchkula), BEL and other members of senior Management teams of BEL and HPCL.

"BEL is known to be an eco-friendly company. We have clean and green campuses at all our Units across the country. Renewable energy from BEL's captive solar

and wind power plants contribute to around 49.36 percent of our total energy consumption. BEL is diversifying into many areas of non-defence and Energy Storage products is one such area we are keenly focussing on. We fully endorse the Government's green energy mission and the setting of this EV charging station is one more step in that direction," said Shri Dinesh Kumar Batra, CMD, BEL.

"HPCL is focused on expansion of the business profile with greater presence in the clean energy segment. We are working towards making our retail outlets multifuel, so that mobility solutions can be provided for whichever vehicles customers choose to drive. More than 1,100 EV charging stations have already been set up in our 20,000 plus outlets across India," said Shri Debashis Chakravarty, Chief General Manager, HPCL. ■



Shri Dinesh Kumar Batra, CMD, BEL cutting the ribbon along with Shri Debashis Chakravarty, Chief General Manager, HPCL to inaugurate the BEL EV charging station at the HPCL Retail Outlet at Amravati Enclave near Pinjore on the Chandigarh-Shimla Highway. Shri Bhanu Prakash Srivastava, Director (Other Units) and other senior officers of BEL and HPCL are present.

Personalia



Shri Sandeep Kumar Gupta
assumes charge as Chairman & Managing Director of GAIL (India) Limited



Capt. Binesh Kumar Tyagi
Director (Liner and Passenger Services) assumes charge as Chairman and Managing Director of The Shipping Corporation of India Limited



Shri Susanta Kumar Purohit
assumes additional charge as Chairman and Managing Director of HIL (India) Limited



Shri Pradeep Singh Kharola
assumes charge as Chairman & Managing Director of India Trade Promotion Organisation



Shri S. Bharathan
assumes charge as Director (Refineries) of Hindustan Petroleum Corporation Limited



Shri Rakesh Ranjan
assumes additional charge as Director (Network, Planning & Marketing) of RailTel Corporation of India Limited



Shri Rabindra Nath Mishra
assumes additional charge as Director (Finance) of RailTel Corporation of India Limited



Shri Sunil Shivaling Bagi
assumes charge as Director (Finance) of Goa Shipyard Limited



Shri Rajan Kanwar
assumes charge as Director (Technical) of National Fertilizers Limited

BEML Showcases Defence Products @ AAD, South Africa

BEML Limited marked its presence in The Africa Aerospace & Defence (AAD) -2022 exhibition held recently at Tshwane, South Africa.

Shri Jaideep Sarkar, High Commissioner of India in South Africa, formally inaugurated the Pavilion.

The Government of India has identified the Defence & Aerospace sector as a focus area for the



Shri MGG Raju, General Manager, Defence, presenting the Arjun ARRRV scale model to Shri Jaideep Sarkar, High Commissioner of India at South Africa.

‘Aatmanirbhar Bharat’ initiative with a formidable push on the indigenous manufacturing facilities and also laying a lot of emphasis on defence collaboration under “make in India, make for the world”. By participating in this exhibition, BEML aimed at engaging with International players and enhance its Defence business in the African continent. ■

PSEs undertake Swachhta Campaign 2.0

Union Minister of Civil Aviation & Steel and Minister of State for Rural Development & Steel visit SAIL Corporate Office during Special Campaign 2.0



Shri Jyotiraditya Scindia, Union Minister of Civil Aviation and Steel along with Smt. Soma Mondal, Chairman, SAIL during his visit to the corporate office of SAIL.

Shri Jyotiraditya Scindia, Union Minister of Civil Aviation and Steel and Shri Faggan Singh Kulaste, Minister of State for Rural Development and Steel visited the Corporate Office of Steel Authority of India Limited (SAIL) at Lodhi Road New Delhi. The ministers were accompanied by senior officers from the Ministry of Steel. They were welcomed by Smt. Soma Mondal, Chairman, SAIL and other Directors of the Company.

This visit of both the ministers to the Corporate Office of SAIL was in the backdrop of "Special Campaign 2.0" recently launched by the Government of India. Under the "Special Campaign 2.0", activities relating to Cleanliness, Review & Simplification of Rules & Procedures, Review of Record Management system, productive use of space and disposal of waste materials, Enhancing Work Place experience are being undertaken at all Steel Plants and Units of SAIL. During their interaction, Ministers appreciated the cleanliness drive undertaken by SAIL and urged the employees to maintain cleanliness at all times in all spheres as a way of life.

NMDC celebrates United India for Swachhta at Sanchi Iconic City

Campaigning for the Government of India's Swachh Bharat Mission, NMDC organized a Swachhata Event at Sanchi, Madhya Pradesh. Celebrating a United India for Swachhata, as part of the ongoing Azadi Ka Amrit Mahotsav, NMDC led the Cleanliness Movement at the Heritage Site



Sanchi Stupa. Leaders from the Madhya Pradesh Government, Shri Tulsi Silawat, Water Resource Minister; Dr Prabhuram Choudhary, Public Health and Family Welfare Minister; Shri Bharat Singh Kushwah, Horticulture and Food Processing Minister supported NMDC's Swachhata Campaign with their presence.

Swachhata Karmis, Local Representatives, District Officials and NMDC employees committed to India's drive for cleanliness by taking the Swachhata Oath and commenced the Cleanliness Drive at Sanchi Stupa. NMDC arranged for the installation of an RO Water Cooler at the Stupa and provided 50 Wet and Dry Dustbins to the Nagar Parishad of Sanchi to support the cleanliness campaign of this Swachh Iconic Place. Representatives from the Government of Madhya Pradesh distributed 100 Swachhata Kits, containing Jackets, Gloves, Caps, and Jute Bags, to the Swachhata Karmis of Sanchi.

HAL undertakes Massive Cleanup Activities as Part of Special Campaign 2.0 on Swachhta



As a part of the Special Campaign 2.0 for disposal of Pending Matters which is being observed from October 2, 2022 to October 31, 2022, the Offices and Divisions of HAL spread across the country undertook various activities such as clearing of old scrapped items, segregation of waste and freeing up of usable space both at the shop floors as well as in office premises.

During the campaign, the old physical files were identified and reviewed, followed by de-weeding of certain old ones and digitization of the content. Swachhta activities like defogging and plogging exercises have also been taken up on a large scale in the areas in and around HAL Divisions. In all these activities, large number of people participated and turned these events into success.

Special Campaign 2.0 : Implementing the way for Cleanliness, reducing Compliance burden & promoting the Ease of Living

BEML Limited launched Special Campaign 2.0 with a focus on Swachhta and identifying the pending references in selected categories across its Regional and District offices. Special attention is given to Field/outstation offices and implementation of the activities such as cleanliness drive, disposal of scrap etc.

BEML identified the places and areas to clean, replacement of old furnitures, identifying of scrap

and its disposal, implementation of record management through E-portal. E-wastes from various offices were also identified and disposed off.

A large amount of scrap was identified for disposal during this campaign. The freed-up space from scrap & waste disposal is being used for various purposes like parking, work place arrangements, storage, plantation thus leading to wide and spacious passages etc.

Apart from this, BEML also taken up cleaning of general public places like Bus Stand, Parks and other Public areas in the vicinity of BEML offices.

Special Campaign 2.0 reinforced importance of timely disposal of references and thereby leading to a cleaner work space and ease of living.

Union Minister visits HCL Corporate Office

Shri Pralhad Joshi, Union Minister of Parliamentary Affairs, Coal and Mines, visited Tamra Bhavan, HCL Corporate Office in Kolkata. He was welcomed by Shri Arun Kumar Shukla, CMD, HCL, Shri Sanjay Panjiyar, Director (Operations), HCL, Shri Sanjiv Kumar Singh, Director (Marketing), Shri Ghanshyam Sharma, Director (Finance), HCL, Shri



Shri Pralhad Joshi, Union Minister of Parliamentary Affairs, Coal and Mines, being welcomed by Shri Arun Kumar Shukla, CMD to HCL Corporate Office in Kolkata.

Subrata Sarkar, CVO, HCL. The Union Minister was accompanied by Additional Secretary, Ministry of Mines, Shri Sanjay Lohia and other senior officers.

Shri Joshi reviewed the performance of the Company and discussed Special Campaign 2.0 which will focus on disposal of scrap, weeding out of physical



files, carrying out Cleanliness drive, liquidating pendency of Public Grievances cases.

After the review meeting, Union Minister along with HCL, CMD and Directors visited the basement area of HCL Corporate Office, Tamra Bhavan, to take a stock of the ongoing cleanliness drive.

HCL Corporate office in Kolkata has carefully weeded out 2248 old files and archived 16220 of them. In July, 2022, HCL disposed of discarded papers and plastic etc. weighing 4.6 tonne, thus generating an amount of Rs 1.35 lakh.

Union Minister, Shri Pralhad Joshi appreciated the efforts of HCL employees and the Company is committed to the cause of meeting the Special Campaign 2.0 timeline of October 31, 2022. ■

The stellar performance of NCL in Coal Production and Dispatch continues in Q2

NCL struck 19.8% YoY growth in Production and 16.1% YoY Growth in Coal Dispatch

NCL has struck stupendous growth in the current fiscal year 2022-23 till the quarter ended this September. NCL has achieved 19.8% growth in coal production than the same period of last year and has produced a whopping 64 Million Tonnes of Coal which stood at 53.44 MT in the same period of the last fiscal year 2021-22. The coal dispatch of NCL also grew by 16.1% YoY in the first two quarters (From April to September 2022) of the current fiscal year 2022-23. The company has dispatched 66.82 Million Tonnes of Coal against the 57.55 MT in the same period of last year.

In the backdrop of global disruption in the energy sector and soaring energy demand in the post-COVID era, NCL has fed the powerhouses with 60.80 Million

Tonnes of Coal which is 91% of the total dispatched coal to consumers till date.

The company is also excelling in Over Burden Removal (OBR) with a robust 31.62% YoY growth. The company has handled 207.41 Million Cubic Meters of Over Burden in the current fiscal while it was 157.59 Million Cubic Meters in the same period of last fiscal. 'Over Burden' is the material to be removed above coal in open cast mines for coal exposure.

On the exceptional performance of team, Shri Bhola Singh, CMD, NCL congratulated all employees and dedicated this achievement to the commitment and sense of responsibility of the company's workforce towards Nation building. He added that our company has been entrusted with the prime responsibility of fulfilling the energy aspiration of the nation



and exhorted every miner of the company for concerted efforts to make the nation self-reliant in the coal sector.

NCL has been entrusted with the production and dispatch of 122 MT of Coal in FY 2022-23. NCL is also eyeing ₹1970 crore of Capital expenditure for the financial year 2022-23 and has spent about ₹1085.86 crore till Q2 which is more than the target till date. ■

PSEs CSR Activities

CMD, EIL inaugurates simulation Mock Call Centre for blind women established as part of CSR initiatives



Smt. Vartika Shukla, CMD, EIL inaugurating Simulation Mock Call Centre at National Association for Blind (NAB) India Centre for Blind Women & Disability Studies.

Smt. Vartika Shukla, CMD, Engineers India Limited (EIL) inaugurated a Simulation Mock Call Centre at National Association for Blind (NAB) India Centre for Blind Women & Disability Studies at Hauz Khas, New Delhi established under CSR initiative of Certification Engineers International Limited (CEIL), Shri Ashok Kumar Kalra, Director (HR), EIL and senior officials of EIL, CEIL & NAB were present on the occasion.

The mock Call Centre, equipped with multiple workstations with PCs, CRM software, calling paraphernalia, will provide simulation training to blind women in customer care courses to enhance their employment potential.

CMD, EIL inaugurates Model Anganwadi Centres established under CSR initiative of EIL

Smt. Vartika Shukla, CMD, Engineers India Limited (EIL) virtually inaugurated Model Anganwadi Centres in Dhubri, Assam, established under CSR initiative of EIL. Shri A.K. Kalra, Director (HR), EIL, Shri Anbamuthan M.P., IAS & Deputy Commissioner, Dhubri and senior officials of EIL &



Smt. Vartika Shukla, CMD, EIL virtually inaugurating Model Anganwadi Centers in Dhubri, Assam in the presence of Shri A.K. Kalra, Director (HR), EIL, Shri Anbamuthan M.P., IAS & Deputy Commissioner, Dhubri and senior officials of EIL & Dhubri District Administration

Dhubri District Administration were present on the occasion.

EIL has collaborated with District Administration, Dhubri for development of 140 nos. of Model Anganwadi Centres in Dhubri by providing infrastructure & amenities such as Nutri Garden, kitchenware, LPG, Water Purifier etc. These Model Anganwadi Centres are providing enhanced educational, nutritional, hygiene and health facilities to underprivileged women and children in remote areas of the district thereby leading to reduction in mortality, malnutrition and school dropout in the area.

Inauguration of REC Sanctioned CSR Project of SVNIRTAR

REC Limited has extended Rs.15.89 crore under





Hospital “REC Centre of Excellence for Deformity Correction” in Olatpur, Cuttack district of Odisha.

It is a four storey building with total area of 3284 sqm comprising of two wards, cabins for 100 beds, 10 rooms and 2 Halls. The institute promotes manufacturing of prototype designed aids and empowers at least 2000 beneficiaries every year.

The building was inaugurated and dedicated to the public by Shri J. P. Nadda, Member of Parliament (Rajya Sabha) in the presence of Dr. Virendra Kumar, Union Minister of Social Justice and Empowerment, Shri Dharmendra Pradhan Union Minister of Education, Skill Development and Entrepreneurship. Shri Rajesh Agarwal, Secretary, Dept. of Empowerment of Persons with Disabilities, Govt. of India, Dr. P. P. Mohanty, Director, SVNIRTAR and other officials of REC, CPWD & SVNIRTAR were also present at the ceremony.

NHPC organizes Blood Donation Camp



NHPC employees donating blood at Blood donation camp organized at NHPC Corporate Office, Faridabad under the aegis of Azadi Ka Amrit Mahotsav.

NHPC organized a blood donation camp at Corporate Office, Faridabad in association with Rotary Club of Faridabad (Midtown). The camp had been organized as part of nationwide drive of blood donation camps under the aegis of Azadi Ka Amrit Mahotsav. The camps aim at ensuring an efficient and effective national blood system to provide universal and timely access to safe blood.

During the blood donation camp total 41 units of blood were collected.

NLC India Limited organizes a Free Medical Camp at Kattugudalur village

NLC India Limited organized a Free Medical Camp at Kattugudalur Government High School under its CSR initiative, benefitting the villagers of Kattugudalur & surrounding villages.

NLC India Hospital conducts free medical camps every year in surrounding villages of Neyveli as part of its Corporate Social Responsibility (CSR)



Shri Rakesh Kumar, CMD, NLC India Limited just after presenting a Wheelchair to a child at the Free Medical Camp organized at Kattugudalur by NLCIL. Also seen are Shri Saba Rajendran, Member of Legislative Assembly, Neyveli Constituency, Shri N. Sadish Babu, Executive Director, Human Resource Department of NLC India Limited and other Senior officials of NLC India Limited.

initiatives. Following the Free Medical Camp that was conducted at Perperiyankuppam village, the subsequent Free Medical camp was held at Kattugudalur village.

The camp was inaugurated by Shri Rakesh Kumar, CMD, NLC India Limited in the presence of Shri Saba Rajendran, Member of Legislative Assembly, Neyveli Constituency at Kattugudalur Government High School Campus. Specialist doctors, Medical staff, Nurses and Pharmacists of NLC India Limited from various departments participated in the Medical Camp and provided treatment to the villagers.

A total of 657 persons including 337 women and 80 children were benefitted by this camp. ■



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- > Bringing socio-economic transformation through innovative and impactful CSR initiatives in the less developed regions of the Country.

NMDC re-dedicates itself with a fresh zeal and renewed enthusiasm, energy and strategy to achieve greater heights in delivering value for all its stakeholders.

एनएमडीसी



NMDC

NMDC Limited

(A Government of India Enterprise)

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CIN : L13100TG1958GOI001674

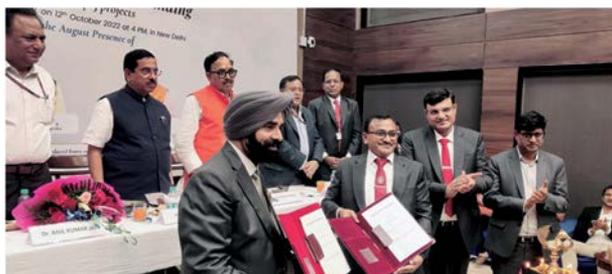
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Eco-Friendly Miner



PSEs Ink MoU

NLCIL signs MoU with BHEL to develop indigenous technology for Lignite Gasification



Shri K. Mohan Reddy, Director (Planning and Projects), NLCIL and Shri Upinder Singh Matharu, Director (Power), BHEL exchanging the MoU signed for taking up the study on Lignite Gasification for IGCC power/chemicals in the presence of Shri Rakesh Kumar, CMD, NLCIL and Dr. Suresh Chandra Suman, Director (Mines), NLCIL. Also seen are Shri Pralhad Joshi, Minister of Coal, Mines and Parliamentary Affairs; Dr. Mahendra Nath Pandey, Minister of Heavy Industries; Dr. V. K. Saraswat, Member (NITI Aayog); Dr. Anil Kumar Jain, Secretary (Coal); Shri Arun Goel, Secretary (Heavy Industries); Shri Vinod Kumar Tiwari, Addl. Secretary (Coal); Shri M Nagaraju, Addl. Secretary (Coal) and other senior officials of the Ministries and PSUs.

NLC India Ltd. entered into a Memorandum of Understanding with BHEL to develop indigenous technology for Lignite Gasification.

The MoU was signed between NLCIL & BHEL to take-up the study on lignite gasification for IGCC power/chemicals at New Delhi in the presence of Shri Pralhad Joshi, Minister of Coal, Mines and Parliamentary Affairs; Dr. Mahendra Nath Pandey, Minister of Heavy Industries, Dr. V. K. Saraswat, Member (NITI Aayog); Dr. Anil Kumar Jain, Secretary (Coal); Shri Arun Goel, Secretary (Heavy Industries); Shri Vinod Kumar Tiwari, Addl. Secretary (Coal); Shri M Nagaraju, Addl. Secretary (Coal) and other senior officials of the Ministries as well as concerned PSUs.

Shri K. Mohan Reddy, Director (Planning and Projects), NLCIL and Shri Upinder Singh Matharu, Director (Power), BHEL exchanged the MoU in the

presence of Shri Rakesh Kumar, CMD, NLCIL and Dr. Suresh Chandra Suma, Director (Mines), NLCIL. The MoU will enable NLCIL in developing indigenous technology and study the feasibility of using Lignite for Power Generation through Gasification and the Production of value added chemicals.

Mazagon Dock signs 24 MoUs at DefExpo 2022



Mazagon Dock Shipbuilders Limited (MDL), entered into as many as 24 MoUs with various national and international firms at DefExpo 2022, Gandhinagar. The MoUs are focused on cooperation in the fields of indigenized development and manufacturing of equipments for ships and submarines and other platforms under 'AatmaNirbhar Bharat'.

Few MoUs are aiming at design and development of Drones, Autonomous Underwater Swarm Drones, EPC projects in the field of Infra, Railway, Oil & Gas, water treatment, energy and other innovative projects. They also have a target to commercialize the CO₂ absorber, steering console, Fuel Cell etc. which are presently used in Defence Industry only.

In addition, technical collaboration in designing processes as technology support partner, training personnel for skill upgradation, improving design quality and reducing the timelines for the completion of design activity, technology upgradation in production processes, AI based implementation of Digital Inspection process are some key areas which are catered under the above MoUs.

The MoUs were signed with BHEL, Ray Enterprises, IMI Control Component India Pvt. Ltd. Godrej & Boyce Mfg. Co Ltd., Mahindra Defence Systems, Sushma Electricals, Sagar Defence Engineering Pvt. Ltd., Precitech Equipments India Pvt. Ltd., Sunlux Technovations, Elcome Marine, Tata Advanced Systems Ltd., Robosys Automation & Robotics Pvt. Ltd., Qmax Test Equipments Pvt. Ltd. Trentar Private Ltd., Yeoman Marine & M/s MATN's Stabiliser, M/s Circor Flow Technologies (I) Pvt. Ltd., Aveva Information Technology India Pvt. Ltd. Siemens Industry Software India Pvt. Ltd., VizExperts India Pvt. Ltd, Altair India Pvt. Ltd., Suryadipta Projects Pvt. Ltd. M/s Dassault Systems (India) Pvt. Ltd., and National Research and Development Centre.

IRFC and IIFCL sign MoU to strengthen cooperation in financing railway infrastructure projects



Shri Amitabh Banerjee, CMD, IRFC and Shri Padmanabhan Raja Jaishankar, MD, IIFCL during the MoU Signing Ceremony in New Delhi.

Indian Railway Finance Corporation Ltd. (IRFC) signed a Memorandum of Understanding (MoU) with India Infrastructure Finance Company Ltd. (IIFCL), to strengthen cooperation in financing railway infrastructure projects with forward and backward linkages to Indian Railways sector.

The MoU was signed by Shri Amitabh Banerjee, CMD, IRFC and Shri Padmanabhan Raja Jaishankar, MD, IIFCL in the presence of senior officers of both the organizations.

Through this MoU, IRFC and IIFCL plan to amplify each other's capabilities, enabling them to jointly

leverage the financing opportunities for viable infrastructure projects.

Speaking on the occasion, Shri Amitabh Banerjee, CMD, IRFC said, "The partnership between IRFC and IIFCL is a step towards realizing Hon'ble Prime Minister, Narendra Modi's vision of making India a \$5 trillion economy by 2025. This symbiotic relationship between two premier financing institutions would play a pivotal role in providing impetus towards development of railway infrastructure in the country, leading to enhanced customer experience and reduce logistics cost by facilitating this state-of-the-art infrastructure."

Underscoring the importance of infrastructure sector for development of the Indian economy, Shri P.R. Jaishankar, MD, IIFCL said, "IIFCL has been leading the infrastructure financing sector in the country and this MoU will enable both the parties to strengthen cooperation in co-financing/consortium financing of infrastructure projects, including railways sector."

NMDC signs MoU with RailTel for ICT and Digital Solutions

NMDC and RailTel Corporation of India have entered into an agreement covering ICT and Digital Transformation Services of NMDC, both at its Corporate Offices and Mining Complexes.

An MoU to this effect was signed by Shri H. Sundaram Prabhu, GM (C&IT), NMDC and Shri Manohar Raja, Executive Director, RailTel in the presence of Shri Sumit Deb, CMD at NMDC's headquarters in Hyderabad recently. Also present on the occasion were the company's Director (Finance) Shri Amitava Mukherjee, Director (Technical)



Shri Sumit Deb, CMD, NMDC; Shri H. Sundaram Prabhu, GM (C&IT), NMDC; Shri Manohar Raja, Executive Director, RailTel; Shri Amitava Mukherjee, Director (Technical); Shri Somnath Nandi, Director (Production); Shri Dilip Kumar Mohanty and senior officers after MoU signing.



Shri Somnath Nandi, Director (Production), Shri Dilip Kumar Mohanty and senior officers.

“This partnership will focus on optimal utilization of resources and build mineral accountability, paving the way for a robust digital transformation in the mining sector. NMDC has been an early adopter of automation and digitalization. Our collaboration with RailTel will accelerate this journey that we are already on.” said Shri Sumit Deb.

Shri Amitava Mukherjee said, “RailTel will provide Consultancy, Project Management and Execution services that will enhance efficiency and transparency. It is a huge step forward to keep NMDC in the top league.”

NSIC signs MoU with AMTZ



Shri Narayan Tatu Rane, Minister of MSME, Govt. of India; Shri B.B. Swain, Secretary (MSME); Shri Gaurang Dixit, CMD, NSIC; Dr. Jitendra Sharma, MD & CEO, AMTZ and other officials from NSIC & AMTZ during MoU signing.

Shri Narayan Tatu Rane, Minister of MSME, Govt. of India graced the occasion of MoU signing between the National Small Industries Corporation Ltd. (NSIC) and Andhra Pradesh Medtech Zone Limited (AMTZ) on cooperation in the healthcare sector at Ministry of MSME, Udyog Bhawan. Shri B.B. Swain, Secretary (MSME) was also present on the occasion. The MoU was signed by Shri Gaurang Dixit, CMD, NSIC and Dr. Jitendra Sharma, MD & CEO, AMTZ. Shri Narayan Tatu Rane, Minister of MSME stated that the signing of this MoU between NSIC and AMTZ will be a significant step for enhancing the competitiveness of MSMEs in healthcare sector. He stated that both organizations can leverage their expertise and create excellent opportunities for MSMEs in healthcare sector to form global alliances and get access to latest medical

technologies along with creating skilled manpower for this sector.

NHPC signs Memorandum of Agreement with IIT Jammu for undertaking R&D Activities



Shri Yamuna Kumar Chaubey, CMD, NHPC, Shri R. P. Goyal, Director (Finance), NHPC, Prof. Manoj Singh Gaur, Director, IIT Jammu and Shri S. L. Kapil, Executive Director (R&D), NHPC during Signing of MoA for availing the services of IIT Jammu for undertaking R&D activities in the field of Science, Engineering and Technology.

A Memorandum of Agreement (MoA) for availing the services of IIT Jammu for undertaking R&D activities in the field of Science, Engineering and Technology has been signed between NHPC Limited and IIT Jammu in the presence of Shri Yamuna Kumar Chaubey, CMD, NHPC and Shri R.P. Goyal, Director (Finance), NHPC.

NHPC Limited has already an established R&D division undertaking various innovative initiatives in different fields of Construction, Operation and Maintenance of Hydro Power Projects/Stations. This MoA will further provide an impetus to Research & Development activities with a new zeal.

Shri S.L. Kapil, Executive Director (R&D) and Prof. Manoj Singh Gaur, Director, IIT Jammu signed the MoA on behalf of NHPC Limited and IIT Jammu respectively. On the occasion of signing ceremony, Prof. Kannan Iyer, Dean, IIT Jammu, Prof. Manoj Agarwal, IIT Jammu, Dr. Nitin Joshi, IIT Jammu, Executive Directors/HoDs posted at NHPC Corporate Office and officers of R&D division were also present. ■

Awards & Accolades to PSEs

REC recognised with top awards at Dun & Bradstreet awards



Shri TSC Bosh, Executive Director (REC) and Shri Sanjay Kulshrestha, Executive Director (REC) receiving the awards on behalf of REC.

REC Limited has been recognized as the 'Best PSU' in the Financial Services category and also as the 'Best Navratna' by Dun & Bradstreet for FY 21-22. The ceremony took place in New Delhi. Executive Directors of REC, Shri TSC Bosh and Shri Sanjay Kulshrestha received the awards on behalf of the Company.

The award is another testament to the consistent operational and business excellence that REC has achieved. Notably, REC has recently been conferred the status of 'Maharatna' – the highest recognition for a CPSE.

NTPC awarded for Excellence in Power Generation

NTPC has been awarded for Excellence in Power Generation at PSU & Government Summit organised by Dun & Bradstreet held in New Delhi. Shri Ramesh Babu V, Director (Operations), NTPC received the award from Shri Avinash Gupta, MD & CEO- India Dun & Bradstreet.



Shri Harjit Singh, CGM (CC), NTPC was also present on the occasion.

GRSE conferred with Dun & Bradstreet India's Top PSU Award 22

Garden Reach Shipbuilders and Engineers Ltd., (GRSE), has been conferred with the Dun & Bradstreet India's Top PSU Award 22 in the category of Digital Transformation. The award was received by Commodore PR Hari IN (Retd.), CMD, GRSE, at the PSU and Government Summit held in New Delhi.

GRSE has in the recent past embarked on a journey of digital transformation in a big way with a complete revamp of the IT landscape in the Shipyard. In-house Data Centre, Disaster Recovery Facility, Virtual Reality Lab to aid smart manufacturing, improvisation in the employee portal, e-procurement, digital file movements, network application & communication system.



Director (Finance), PFC conferred 'Best CFO-PSU' Award



Smt. Parminder Chopra, Director (Finance), Power Finance Corporation Ltd. (PFC) received the ET Ascent "Best CFO-PSU" Award at a ceremony held in Bengaluru.

Top HR Recognition for NTPC

NTPC Ltd. has been recognized as one of the "Top Organizations with Best Workplace Practices" at the Times Ascent Presents 21st Edition of ASIA PACIFIC HRM CONGRESS held in Bengaluru. The Award is endorsed by the CHRO Asia and the certification is provided by the World Federation of HR Professionals. Award was received by Shri Milan Kumar, GM (HR), Northern Region.



The Award is given to organizations which have embraced innovation as a part of their own 'cult' & built that into the fabric strategy of the business.

The recognition signifies NTPC's unflinching commitment towards achieving excellence in development and management of Human Resources through continuous process improvement, increasing employee engagement, focused learning and development, providing career and growth opportunity and employee welfare. It is an outcome

of NTPC's "People Before PLF" approach which is the guiding philosophy behind the entire gamut of HR policies thus building an enabling and engaging progressive work culture.

NMDC wins National Awards for Excellence in CSR and Sustainability

NMDC was conferred with National Awards for Excellence in CSR and Sustainability bestowed by ET Ascent in Bengaluru. Shri Dilip Kumar Mohanty, Company's Director (Production) received the accolades presented to NMDC for Sustainable Income Generation and Best Overall CSR Excellence.



NMDC has invested decades in enhancing the quality of life of its host communities while ensuring that the development is socio-culturally sustainable. NMDC's CSR Focus Areas - Education, Health, Skill Development, Infrastructure and Safe Drinking Water are creating value and opportunities for people in the hinterlands of India. The company has demonstrated consciousness and commitment in its approach towards the environment. NMDC's responsible mine planning has been lauded by the Indian Bureau of Mines with a 5 Star Rating to all its complexes.

Shri Dilip Kumar Mohanty expressed his gratitude to ET Ascent for honouring NMDC's contribution towards the social and sustainable development of our nation. He said, "NMDC is working relentlessly to achieve our nation building goals of mineral security, sustainability and self-reliance."

Commending his team's meticulous efforts towards CSR and Sustainability, Shri Sumit Deb, CMD, NMDC said, "As the country's mining major, NMDC is committed to shape a sustainable and resilient future for India. We are consulting with our stakeholders on every step and harnessing the power of technology at our mines to ensure growth for our company and the community." ■

SCOPE FORUM OF CONCILIATION AND ARBITRATION (SFCA)

With a view to expedite settlement of disputes and reduce avoidable expenditure by PSEs, a need was felt by Standing Conference of Public Enterprises (SCOPE), an Apex Body of Public Sector Enterprises, to institutionalize the prevailing system of arbitration which led to formation of SFCA in 2003. The forum was formally inaugurated by Shri Santosh Gangwar, the then Hon'ble Minister of State for Heavy Industries & Public Enterprises and Parliamentary Affairs at SCOPE Complex on 9th January 2004.

WHY SFCA?

Empanelment of more than 400 Arbitrators/ Conciliators

- Retired Judges of Supreme Court, High Courts,
- Retd. Secretaries, Joint Secretaries of Government of India
- Chief Executives, Directors and senior officials of PSEs
- Professionals including Advocates, Chartered Accountants, Engineers & Surveyors etc.

Complete services for conducting Arbitration

- A dedicated Forum administering, overseeing and conducting arbitration and conciliation proceedings.

Cost effective and timely dispute settlement

- Settling disputes between PSEs and their associates within shortest possible time at more economical and cheaper cost in comparison to other institutions.

Dedicated Infrastructure

- Exclusive Arbitration Hall having seating capacity of 15 persons.
- Facility of provision of halls with higher capacity in SCOPE Convention Centre at SCOPE Complex, Lodhi Road and SCOPE Minar, Laxmi Nagar, New Delhi.

Facilities and provisions

- Provision of modern equipments and facilities such as projector for live streaming of proceedings on a large screen, stationery etc.
- Arrangements of high tea/lunch on request of the parties.

Capacity Building

- Executive development programmes and workshops on various aspects of Alternate Dispute Resolution process (ADR).
- Annual National Seminar on various aspects of Arbitration and Conciliation.



For any queries relating to SFCA, you may contact

SCOPE FORUM OF CONCILIATION & ARBITRATION (SFCA)

1st Floor, Core 8, SCOPE Complex, Lodhi Road, New Delhi-11 00 03 • Email: sfca@scopeonline.in

• Phone: 011- 24360559, 011- 24361745

Shri Shubh Ratna

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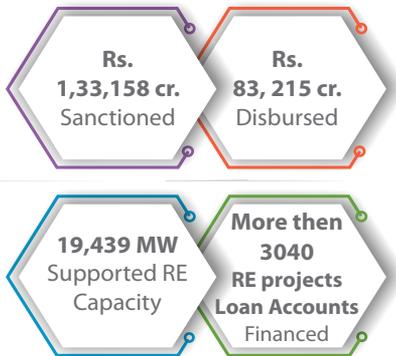
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