

KALEIDOSCOPE

STANDING CONFERENCE OF PUBLIC ENTERPRISES



Smt. Nirmala Sitharaman, Union Minister of Finance & Corporate Affairs inaugurates **AKAM Mega Show**, organised by DPE in association with SCOPE

Roundtable on **'Role of CPSEs for a Self-Reliant India'**, organised by SCOPE and DPE



Ms. Soma Mondal, Chairperson, SCOPE addresses the **plenary session of 110th ILC of ILO**



SCOPE and PSEs celebrate International Yoga Day



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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 13650+ MW company by 2030. It has plans to enhance its lignite and coal mining capacity to 93.60 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 4631 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.

Renewable Energy Projects under operation and consideration

- NLCIL is the first CPSE to cross 1 GW capacity in solar power generation and became the member of International Solar Alliance (ISA)
- 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 a cost of Rs. 5343 crore 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.
- 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 and in advance stage of formation of another JV with Assam State for the development of 1000 MW Solar and Hydro Power Projects.
- 51 MW (34 x 1.5 MW) Wind Power Project at Tirunelveli District in Tamilnadu.
- 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

Registered Office : 135, EVR Periyar High Road, Kilpauk, Chennai - 600 010.

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CREATING WEALTH FOR WELLBEING

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Message by Chairperson



Created with the twin objectives of nation building and strengthening of the socio-economic prowess of the nation, Public Sector Enterprises (PSEs) have been dedicated partners in the nation's growth. Commemorating India's journey of 75 years of independence and the role of PSEs in this, the Department of Public Enterprises in association with SCOPE and with the support of PSEs organised the Azadi Ka Amrit Mahotsav (AKAM) Mega Event at Mahatma Mandir, Gandhinagar, Gujarat recently.

We were privileged to be part of the event inaugurated by Hon'ble Finance Minister - Smt. Nirmala Sitharaman and Gujarat Chief Minister -Shri Bhupendrabhai Patel. Important dignitaries from DPE and SCOPE as well as CMDs and Directors of several CPSEs were also present on this momentous occasion.

The Union Finance Minister in her address stated that after the colonial rule, PSEs were created in the country to undertake large investments and infrastructure development while exploring areas where private sectors found difficulty in operating. She said, while encouraging the PSEs, that PSEs have come a long way since inception and they need to aim for excellency in the global arena by way of efficiency and technology. An interaction was held between the Hon'ble Union Finance Minister and CMDs of various PSEs where concerns, initiatives and new ideas were deliberated.

As part of this event, DPE in association with SCOPE, organised a first-of-its kind Roundtable of PSE CEOs, where the future efforts of CPSEs in making more self-reliant was deliberated.

This event that brought together PSEs, citizens, public representatives and industry has ignited the desire amongst all PSEs to work towards unearthing opportunities by embracing new-age technologies and processes.

For SCOPE, representing the country at international forums has been a cherished endeavour. Being nominated as Delegate by Ministry of Labour and Employment for Indian employers' group, I had the opportunity of addressing the plenary session of the 110th International Labour Conference (ILC) in Geneva, Switzerland.

It has been an eventful time for SCOPE, where on one side we got the opportunity to lead the Indian Employers' delegation at the ILC of International Labour Organization and on the other side, we were part of organising a landmark event that for the first time brought together CPSEs from across the country to deliberate and present their potential towards creating the Vision of India@2047. It is time for us to work in the direction of the goals we have set for ourselves.

I sincerely hope that we continue to receive the same support and guidance of our members and all PSEs through their enthusiastic participation in all activities and events of SCOPE and also to unravel opportunities of excellence for PSEs.

Soma Mondal
Chairperson, SCOPE

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 for 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

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Associate with us and adopt SFCA Clause for resolving disputes in a cost and time effective manner!



Director General's Desk

With the first half of the year behind us, SCOPE is looking forward to decode newer avenues of excellence for Public Sector Enterprises (PSEs), over the next few months. Recently, at the AKAM Mega Week celebrations of Department of Public Enterprises, SCOPE had the unique opportunity of organising CEOs Roundtable on 'Role of CPSEs for a Self-Reliant India.'

The Roundtable that saw an interesting participation of 40 CEOs of CPSEs, bringing in their expertise and deliberating on the Role of CPSEs for a Self-Reliant India, was preceded by high tea of CEO with Union Finance Minister, Smt. Nirmala Sitharaman. Split into four groups, CMDs/CEOs discussed and ideated strategies on various pivotal areas. SCOPE will be submitting an outcome report based on the recommendations from the CEOs Roundtable to DPE.

Besides this, as part of the Indian delegation, constituted by Ministry of Labour and Employment (MoLE), Govt. of India, SCOPE also led the Indian employers' delegation and represented CPSEs at the 110th International Labour Conference of ILO held at Geneva. Besides addressing the plenary

discussion, SCOPE provided valuable inputs in the apprenticeship and other committees.

Environment sustainability is another essential facet of SCOPE's endeavour of highlighting PSEs' presence in all core areas. As PSEs continue to take more dedicated steps as part of the nation's Climate Change Mitigation program, SCOPE recently completed SCOPE-GIZ's fourth and final training program of PSEs on Low Carbon and Climate Resilient Pathways.

SCOPE will also soon be launching a dedicated page on its website that will not only highlight the steps taken by PSEs towards Climate Change Mitigation, but aims at becoming the referral point of PSEs' Climate mitigation journey.

I have been a firm believer that crisis is the true test of one's ability and health, mental wellness form a critical part of crisis management both in personal and professional lives.

Attempting to look at this side of Yoga, and how it empowers us as individuals, SCOPE as part of International Yoga Day 2022 celebrations, organised a programme on 'Self-Empowerment through Yoga' with Dr. Mohit D. Gupta, leading cardiologist and motivational speaker as part of Yoga Utsav 2022.

I also participated in the second Asia Pacific Regional EBMO Virtual Conference which is organised by ILO ACTEMP and IOE that discussed strategic and innovative approaches to strengthen our capacity for evidence-based research and policy work in the context of recovery and resilient future.

Looking ahead, I believe we are at a cusp of change, where to unravel our true potentials, we must first recognise our true strengths and capabilities to deliver our best. Ensuing this, SCOPE will continue to undertake novel initiatives for effective policy advocacy, skill enhancement and capacity building of PSEs.

Programmes & Initiatives launched (since last issue of KALEIDOSCOPE)
SCOPE celebrates World Environment Day - 5th June, 2022
SCOPE represents PSEs in 110 th International Labour Conference of ILO
Mega event on AKAM by DPE with the support of CPSEs and in association with SCOPE- 6th - 12th June, 2022
SCOPE-GIZ Training of Western Region PSEs on 'Low-Carbon and Climate-Resilient Pathways for Indian Public Sector Enterprises- Training and Capacity Needs Assessment' - 13th- 14th June, 2022
Self-Empowerment through Yoga' with Dr. Mohit D. Gupta - 15th June, 2022
SCOPE celebrates International Yoga Day - 21st June, 2022
Programmes & Initiatives in offing
SCOPE as associate in Program on Project Management Competence Building by IPMA - 18th July - 21st July, 2022
SCOPE and Institute of Chartered Accountants of India (ICAI) to sign MoU for capacity building in PSEs
Launch of SCOPE Webpage on Climate Change Mitigation
Release of Knowledge Repository of Virtual Conferences and Symposiums Volume-II

Atul Sobti
Atul Sobti

Director General, SCOPE

AKAM Mega Week Celebrated

Azadi ka Amrit Mahotsav (AKAM) grand celebrations by PSEs, organised by DPE in association with SCOPE

Under 'Azadi Ka Amrit Mahotsav' (AKAM) week celebrations of Ministry of Finance the Department of Public Enterprises (DPE), with the support of CPSEs and in association with SCOPE held the AKAM Mega Show from 9th-12th June, 2022 at Mahatma Mandir, Gandhinagar. The weeklong celebrations comprised of a first-of-its-kind exhibition on 'Nation Building and CPSEs', a CEOs Roundtable on 'Role of CPSEs for a Self-reliant India'; a series of workshops, cultural programmes and mind teaser quizzes to reflect the history of CPSEs in India, their contribution in nation building, over the last 75 years of India's independence and their changing role in the global scenario.



Inaugural event

The exhibition was inaugurated by the Hon'ble Union Minister of Finance and Corporate Affairs,



Smt. Nirmala Sitharaman and Shri Bhupendrabhai Patel, Chief Minister of Gujarat on 9th June, 2022. The other dignitaries who joined the Chief Guests were Shri Ali R. Rizvi, Secretary, Department of Public Enterprises; Shri Pankaj Joshi, Additional Chief Secretary to CM, Government of Gujarat; Shri S. K. Jain, Joint Secretary, DPE; Smt. Soma Mondal, Chairperson, SCOPE and Chairman, SAIL; Shri Atul Sobti, DG, SCOPE and Shri Amitabh Banerjee, Chairman, SCOPE AKAM Committee and CMD, IRFC, besides the Chairman/CMDs/CEOs, Directors and other officials of Central and State Public Sector Enterprises (CPSEs) under various Ministries/Departments. The event was also virtually attended by other officials of CPSEs from 75 locations across the country.

Mini Smart Cities Inaugurated



During the event, conversion of 2 townships of CPSEs, viz., NTPC, Solapur and BEL, Bangalore as Mini Smart Cities was inaugurated. As part of Azadi Ka Amrit Mahotsav celebrations, in total 27 townships by 15 CPSEs are planned to be converted as mini-Smart Cities.

Exhibition on 'Nation Building and CPSEs'

The exhibition showcasing the contribution of CPSEs brought together the display of around 75 CPSEs, demonstrating their contribution to nation-building and their future directions road ahead.

Inaugurated by Hon'ble Union Finance Minister, the exhibition was open to public from 10th-12th

Roundtable of CEOs of CPSEs on 'Role of CPSEs for a Self-Reliant India'

SCOPE and Department of Public Enterprises (DPE) organised a CEOs Roundtable on 'Role of CPSEs for a self-reliant India' on 9th June, 2022 at Mahatma Mandir, Gandhinagar, Gujarat.

The CEOs Roundtable was kicked off with a keynote address by Shri Ali R. Rizvi, Secretary, DPE.



Shri Rizvi complimented the CPSEs for their contributions and achievements for the nation in the last 75 years and exhorted the CEOs to accept the changes happening around with a positive spirit. He urged the CEOs of the CPSEs to reorient, redesign, refocus and re-dedicate themselves to the task of nation building as envisaged by the Hon'ble

Partha S. Bhattacharyya, Former Chairman, Coal India Limited; Dr. Narasimhan Ravichandran, Professor (Retd.) Indian Institute of Management, Ahmedabad and Shri NSN Murty, Partner and Leader – Government and Public Sector, Deloitte Touche Tohmatsu India LLP. The Roundtable was attended by CMDs/Directors of around 40 CPSEs.



Focusing on the core theme of "Role of CPSEs for a Self-Reliant India", the CMDs/Directors present were split into four groups that discussed and ideated strategies on areas like New PSE policy, Re-orientation of CPSEs, Technology adoption and challenges from the opening up of sectors to private participation. Each group was moderated by an independent expert. The Moderators were Shri S. K. Jain, Joint Secretary, DPE; Shri Atul Sobti, DG, SCOPE; Shri Partha S. Bhattacharyya, Former Chairman, Coal India Limited and Shri NSN Murty, Partner and Leader – Government and Public Sector, Deloitte Touche Tohmatsu India LLP.



Prime Minister of India, Shri Narendra Modi. He inspired the leadership of CPSEs to develop a vision for India@2047 which will include synergizing the actions and getting together to do things in a much more cohesive and effective manner. The other key speakers who addressed the Session included Shri



With academic support from M/s Deloitte India, Knowledge Partner for the CEOs Roundtable, the group spokespersons later presented the key recommendations from the discussion. Shri Atul Sobti, DG, SCOPE addressed the participants during the concluding session.



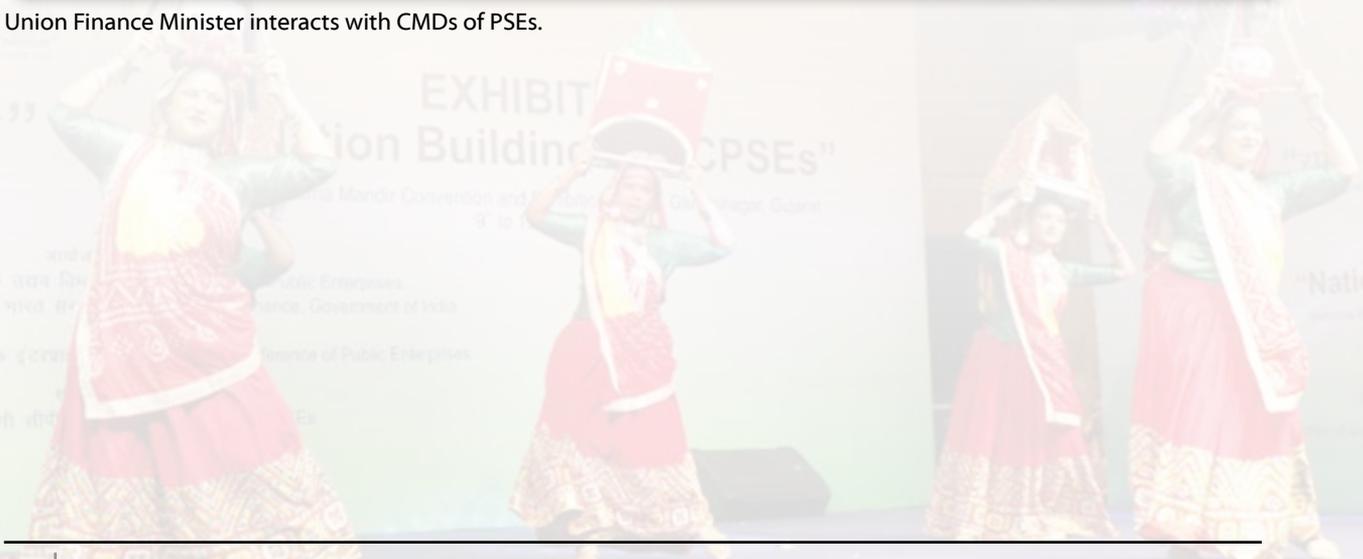
June, 2022 and hosted a flurry of cultural programmes, including Kalbeliya from Rajasthan, Garba Raas from Gujarat, Bumrasia from Haryana and Langa Folk songs, to name a few enthralling

the visitors. The exhibition was the biggest attraction of the event that brought together a huge number of visitors to the AKAM Mega Week.

The AKAM mega week also had a workshop on "Corporate Social Responsibility (CSR) with Special focus on Aspirational Districts" where, Dr. Bhagwat Kishanrao Karad, Hon'ble Minister of State for Finance, Government of India graced the event and inaugurated the workshop on 10th June, 2022 virtually. Other workshops providing vendor interface with CPSEs in which the issues and suggestions on public procurement, TReDs portal, GeM features, were also organised by DPE. During the Iconic week, a pan-India plantation drive for plantation of more than 75000 saplings by CPSEs at their offices, townships, production units etc., were undertaken by several PSEs. ■



Union Finance Minister interacts with CMDs of PSEs.



SCOPE represents Indian Employers at the 110th International Labour Conference of ILO



Ms. Soma Mondal, Chairperson, SCOPE addressing the Plenary Session at ILC of ILO.



Mr. Atul Sobti, DG, SCOPE during discussions at ILC of ILO.

The International Labour Conference (ILC) of the International Labour Organization (ILO) is held every year at Geneva, Switzerland, where the tripartite delegation (Government, Workers, and Employers) of its 187-member states meet to craft and adopt international labour standards in the form of Conventions and Recommendations and supervise the application of Conventions and Recommendations at the national level. The Conference also provides a platform to discuss social and labour issues of importance to the world, while the central theme of the conference revolves around the ILO's Director-General Report.

This year the 110th ILC was held from 27th May, 2022 to 11th June, 2022 in hybrid mode with the in-person component taking place in Geneva, Switzerland. SCOPE represents the Indian Employers' Group of PSEs at the ILC and its associated committees. The Indian tripartite delegation was constituted by the Ministry of Labour & Employment (MoLE), GoI wherein Chairperson, SCOPE was nominated as the Delegate and DG, SCOPE, was nominated as an Advisor to the Indian Employers Delegation. The Indian tripartite delegation was led by the Minister of Labour & Employment (MoL&E), Mr. Bhupender Yadav.

The tripartite delegation of Government, Employers, and Workers, focused their discussion around - Apprenticeships (introduced for the first time), Recurrent Discussion on Employment, General Discussion on Decent

Work, and a General Affairs Discussion.

Both Chairperson, SCOPE, and DG, SCOPE, were the part of the Standard-Setting Committee on Apprenticeship. Chairperson, SCOPE, also addressed the plenary discussion of the reports of the Director-General and of the Chairperson of the Governing Body of ILO on 6th June, 2022 and presented a collective view of the employer's delegation of India on DG's report. SCOPE also provided valuable inputs in the apprenticeship committee which were part of the proposed conclusions to the plenary of the Conference for adoption.



The ILC was set in motion by the address of Director General, ILO, Mr. Guy Ryder, (his last term and Mr. Gilbert F. Houngbo from Togo would be the new DG from October 01, 2022) who introduced his report on 'The least developed countries: Crisis,



Mr. Rameshwar Teli, MoS Labour and Employment; Ms. Soma Mondal, Chairperson, SCOPE; Mr. Atul Sobti, DG, SCOPE with Members of Indian Employers' delegation, Permanent Mission of India in Geneva and Senior Officials of MoLE at ILC of ILO.

structural transformation and the future of work.' The DG's report and the report by the Chairperson of the Governing Body were tabled and deliberated in the Plenary. Another, key highlight of the 110th ILC was World of Work Summit which focused on how to tackle the labour and social consequences of the food, energy and financial crises with human-centred approaches. The panel discussion also

focused on the urgent actions needed to address longstanding challenges such as climate change, demographic realities, and unequal technological progress, compounded by the COVID-19 pandemic. It examined how to promote inclusive development, with a particular focus on the most vulnerable. The Panellists for the World of Work Summit included Mr. Bhupender Yadav, Minister of Labour and Employment of India, Ms. Isabelle Durant, Deputy Secretary-General of the United Nations Conference on Trade and Development (UNCTAD), and Mr. Pierre-Yves Dermagne, Deputy Prime Minister and Minister of the Economy and Employment of Belgium. During the 110th ILC, delegates adopted a resolution to add a safe and healthy work environment to the existing four Fundamental Principles and Rights at work.

More than 4,000 delegates, representing Governments, Workers' and Employers' Organizations from 178 ILO Member States, attended the 110th ILC. The 110th ILC was the first conference since 2019 where delegates attended it in-person, along with other delegates joining the ILC virtually. ■

DG, SCOPE attends the 2nd ILO/IOE AP Regional Conference



Mr. Atul Sobti, DG, SCOPE participated in the second EBMO conference organized on the theme, 'Evidence-based research

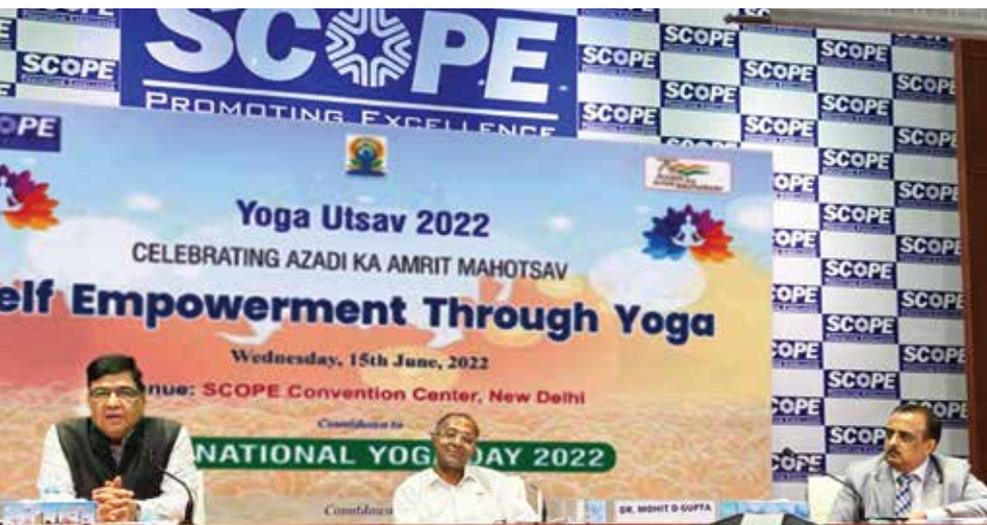
and policy work in times of crisis and looking to the future' held on 28th June, 2022. This was part of a series of regional ILO ACTEMP/IOE online conferences being held under an umbrella theme of EBMOs: Towards greater resilience, innovation and value.

The series will culminate in a face-to-face symposium on 5th December, 2022 planned to be organized in conjunction with the 17th ILO Asia Pacific Regional Meeting (APRM) which will take place on 6th - 9th December in Singapore.

DG, SCOPE represented the Indian Employers' Organization of PSEs and apprised participants about the evidence-based work being undertaken by SCOPE for the PSEs in India.

SCOPE celebrates Yoga Utsav with programme on 'Self-Empowerment through Yoga'

Recording of the interactive session is available on SCOPE official website – www.scopeonline.in



Mr. Atul Sobti, DG, SCOPE; Dr. Mohit D. Gupta, leading Cardiologist and motivational speaker and Dr. Sandeep Sharma, Convener, SCOPE Health Committee during the Yoga Utsav Programme.



Dr. Mohit D. Gupta addressing the participants during the Programme.

SCOPE organized a programme on 'Self-Empowerment through Yoga' with Dr. Mohit D. Gupta, leading cardiologist and motivational speaker as part of Yoga Utsav 2022 on 15th June, 2022. The occasion was also addressed by Mr. Atul Sobti, DG, SCOPE. The motivational talk was followed by meditation which focused on harmonizing mind and body and relieving stress and Dr. Sandeep Sharma, Convener, SCOPE Health Committee gave the concluding remarks. Dr. Mohit D. Gupta, in his talk shared the nuances of positive thinking and how through yoga one can attain self-empowerment. Yoga, he said, is all about synchronization and harmonization of mind and body. Dr. Gupta presented case studies and scientific data on how individuals can unravel their true potential by the power of positive thinking and believing in themselves.

Mr. Atul Sobti, enunciating the importance of Yoga, said it is an age-old Indian spiritual tradition and has been globally accepted as a way to live a healthy and happy life. Self-empowerment, he said, can be achieved primarily by developing a positive attitude. He added that SCOPE will continue to create newer avenues to accentuate mental and physical well-being.

Dr. Sandeep Sharma, Convener, SCOPE Health Committee, while presenting his concluding remarks suggested participants to take the lessons from the session and focus on themselves as change begins from oneself.

The program was attended by over 300 participants who attended the program at SCOPE Complex and others who joined through the various social media platforms of SCOPE. ■

SCOPE and GIZ, Germany organise training sessions on **Climate-Resilient Pathways for PSEs**



Participants of the Western Region training session on Low-Carbon and Climate-Resilient Pathways for Indian Public Sector Enterprises held in Mumbai

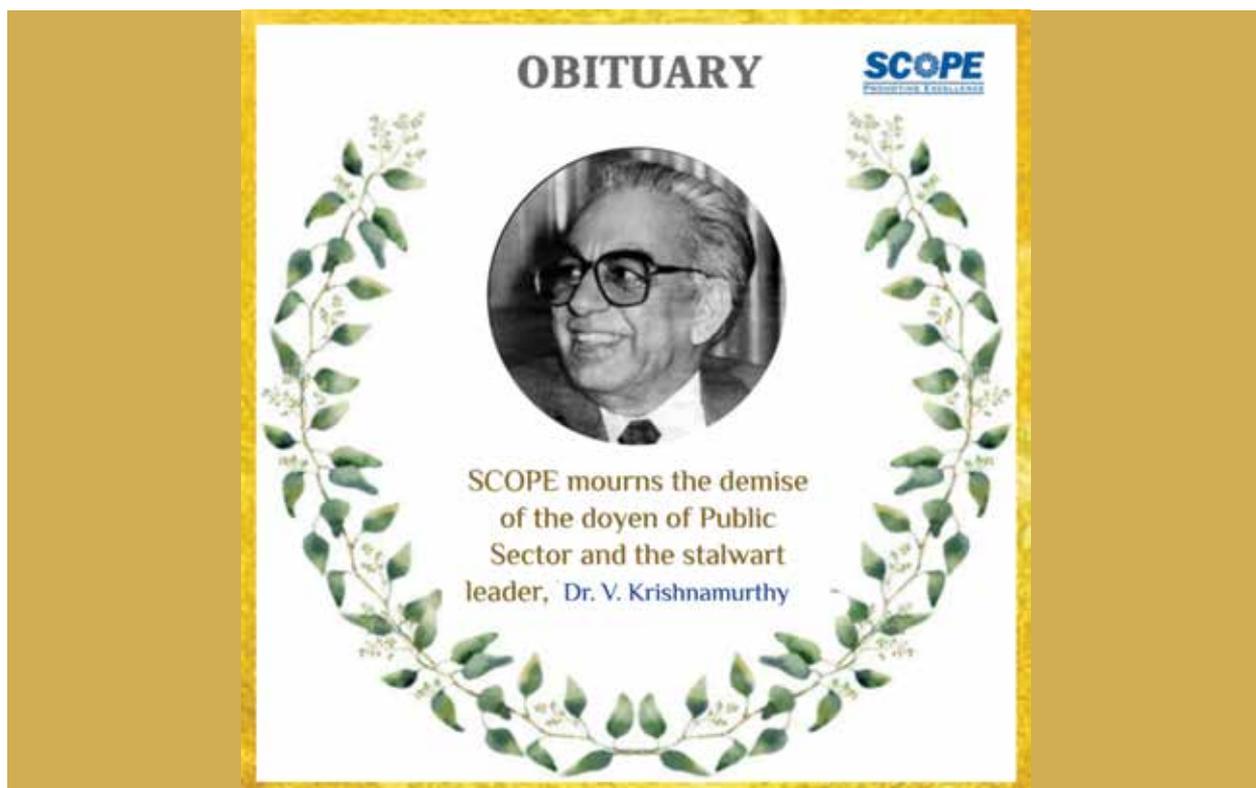
SCOPE & GIZ, Germany recently launched a comprehensive report on 'Low-Carbon and Climate-Resilient Pathways for Indian Public Sector Enterprises- Training and Capacity Needs Assessment' to

address the ways and means for building capacities for developing climate resilient pathways.

To initiate the implementation of the Report and identify actionable roadmap for PSEs, whose presence in hard to abate sectors makes them a pertinent part of the Climate Change action plan of the nation, SCOPE and GIZ organised training workshops across the four regions of the country. The last and final training session was held recently at Mumbai on 13th and 14th June, 2022, where participants from various CPSEs attended the workshop on Low-Carbon and Climate-Resilient Pathways for Indian PSEs. The

other workshops were organised in New Delhi (Northern Region); Bhubaneswar (Eastern Region); Bengaluru (Southern Region). They provided participants insights into various facets of Climate Change Mitigation such as Climate Policy, creating climate leadership journey; understanding Carbon Pricing Initiative; Carbon Markets; Climate finance among others.

Endeavouring to highlight the Climate Change Mitigation efforts of PSEs, SCOPE will continue to undertake various activities that not only represent the steps being taken already, but also the road ahead.



Comments/Feedback of Low-Carbon and Climate-Resilient Pathways for Indian Public Sector Enterprises for Western Region PSEs on Climate Change Mitigation held on 13th – 14th June, 2022 in Mumbai

To view the Report visit our official website: www.scopeonline.in



Got to know about the objective of Training & information about the participating agencies.

Given insight to Climate policy, various COP's held.

Indian PSUA & their involvement in Country climate change. Awareness class for.

Helped to understand how carbon market works.

How to factor in the activities in CO₂/CO₂(e) & how the theme is reported in world forums.

Helped to understand how finance is driven towards sustainable projects/companies work in sustainable development

Understanding Carbon markets Article 6 intricacies. Understood voluntary & Compliance Carbon Credits.

Very good session to understand global setup on emission reduction.

Explained nicely.
Examples relevant to
participants needs
to be added.

Very good session on different
financing mechanisms.

Explained
Nicely

would help us
in making the
start.

Many doubts
have got cleared.

Understood
the micro details.

Informative Topics and
How to reduce emission

Good Plan for
climate policy.

very good
information for
PSE.

very nice to see
emissions trading system
and carbon taxes.

As the need of ^{time} sustainable
development is kind
of compulsory. Topic
was very much relevant
to assess the candidates.

SCOPE in Media

Hindustan Times

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 (IMTH) to conduct a research-based study on 'Digital Transformation in Public Sector Enterprises (PSEs).'

Hindustan Times

22.06.2022

Pg no : 16

SCOPE celebrates Yoga Utsav



Standing Conference of Public Enterprises (SCOPE) organised a programme on 'Self-Empowerment through Yoga' with Mohit D. Gupta, leading cardiologist and motivational speaker as part of Yoga Utsav 2022. The occasion was also addressed by Atul Sobti, Director General, SCOPE.

Excelsior

28.05.2022

Pg no : 14

Sobti awarded with 'Outstanding Leadership Award'

Excelsior Correspondent

Economic Studies (IES), was presented in the presence of President IES

JAMMU, May 27: Atul Sobti, Sangeeta Singh, President IES Director General of Standing Conference of Public Enterprises (SCOPE) has been awarded with 'Outstanding Leadership Award' by Governor of Assam, Jagdish Mukhi.

He was awarded with this outstanding award for recognizing his incessant efforts towards capacity building of Public Sector Enterprises in India.



The award conferred by Institute of

केसरी

05.06.2022

Pg no : 4

SCOPE को 'उत्कृष्ट नेतृत्व अवार्ड' से सम्मानित किया गया। अर्थशास्त्र विभाग (IES) के अध्यक्ष आतुल सोब्टी को 'उत्कृष्ट नेतृत्व अवार्ड' से सम्मानित किया गया।

FREE PRESS JOURNAL

22.06.2022

Pg no : 8

SCOPE holds Yoga Utsav with programme on 'Self-Empowerment through Yoga'



with Dr. Mohit D. Gupta, leading cardiologist and motivational speaker as part of Yoga Utsav 2022. The occasion was also addressed by Atul Sobti, Director General, SCOPE. The motivational talk was followed by meditation which focused on harmonizing mind and body and relieving stress and Dr. Sandeep Sharma, Convenor, SCOPE Health Committee gave the concluding remarks.

THE TIMES OF INDIA

17.05.2022

Pg no : 6

SCOPE releases study on 'future-fluent' leaders

Standing Conference of Public Enterprises (SCOPE) and Center for Creative Leadership (CCL), USA, released first of its kind study on 'Future-Fluent Nation Builders: State of Leadership in Public Sector Enterprises' assessing skill gaps and identifying skill sets to curate a learning module for potential leaders.



The study was released in the presence of Sister BK Shivani, spiritual speaker; Soma Mondal, Chairman, SAIL & Chairperson, SCOPE; Atul Sobti, DG, SCOPE; Pradip Kumar Das, CMD, IREDA; Ranjan Kumar Mohapatra, Director (HR), IOCL; and Elisa Mallis, Muniinder K. Anand and Sunil Pari from CCL. Sister Shivani, Soma Mondal and Atul Sobti spoke on the occasion.

The Sunday Statesman

29.05.2022

Pg no : 8

DG, SCOPE conferred with Outstanding Leadership Award by IES



Mr Atul Sobti, Director General, Standing Conference of Public Enterprises (SCOPE) was awarded 'Outstanding Leadership Award' by Shri Jagdish Mukhi, Hon'ble Governor of Assam. Recognizing his incessant efforts towards capacity building of Public Sector Enterprises in India, the award conferred by Institute of Economic Studies (IES), was presented in the presence of Smt. Sangeeta Singh, President IES and other dignitaries.

Pg no : 2

05.06.2022

रिपोर्टमें-ए और पब्लिक अन्टरप्राइजिज (DPE) द्वारा CPSE-ना समर्थन साथे अने SCOPE-ना सदस्योसभ, AKAM डेवेलप ए बी 12 मी यूए, 2022 इरमिथान स्वतंत्रता-ना 75 वष-नी उजवणी करवा भाटे संभारामे प्रयत्नकामेन आवाहन

मुख्य अतिथि अने अध्यक्ष आतुल सोब्टी, डीजी, स्टांडिंग कॉन्फरेंस ऑफ पब्लिक एन्टरप्राइजेज (SCOPE) ने 12 मी जून, 2022 को 'स्वतंत्रता का 75 वर्ष' के अवसर पर 'स्वतंत्रता के साथ-साथ' के थीम पर एक कार्यक्रम आयोजित किया। कार्यक्रम में आतुल सोब्टी ने कहा कि स्टांडिंग कॉन्फरेंस ऑफ पब्लिक एन्टरप्राइजेज (SCOPE) ने 'स्वतंत्रता के साथ-साथ' के थीम पर एक कार्यक्रम आयोजित किया। कार्यक्रम में आतुल सोब्टी ने कहा कि स्टांडिंग कॉन्फरेंस ऑफ पब्लिक एन्टरप्राइजेज (SCOPE) ने 'स्वतंत्रता के साथ-साथ' के थीम पर एक कार्यक्रम आयोजित किया।

FINANCIAL EXPRESS

24.06.2022

Pg no : 23



SCOPE organized a programme on 'Self-Empowerment through Yoga' with Dr MD Gupta, leading cardiologist and motivational speaker as part of Yoga Utsav 2022. The occasion was also addressed

सवेरा गुजरात

05.06.2022

Pg no : 3

स्वास्थ्य और मनोवैज्ञानिक (DPE) द्वारा CPSE-ना समर्थन साथे अने SCOPE-ना सदस्योसभ, AKAM डेवेलप ए बी 12 मी यूए, 2022 इरमिथान स्वतंत्रता-ना 75 वष-नी उजवणी करवा भाटे संभारामे प्रयत्नकामेन आवाहन

The Indian EXPRESS

24.06.2022



SCOPE organized a programme on 'Self-Empowerment through Yoga' with Dr MD Gupta, leading cardiologist and motivational speaker as part of Yoga Utsav 2022. The occasion was also addressed by A Sobti, DG, SCOPE.

Excelsior

22.06.2022

Pg no : 9

Standing Conference of Public Enterprises (SCOPE) organized a programme on 'Self-Empowerment through Yoga' with Dr Mohit D. Gupta, leading cardiologist and motivational speaker as part of Yoga Day. The motivational talk was followed by meditation which focused on harmonizing mind and body and relieving stress.

Opportunities and Challenges before India in Reaching the \$5-Trillion Goal



Atul Sobti
DG, SCOPE



India stands at the cusp of a revolution. A revolution that will shape its future and steer it towards the India that was once the dream of its founding fathers. The journey to become Aatmanirbhar (self-reliant) and establish itself as the Vishwa Guru (global leader) is filled with challenges and opportunities, but what is a challenge? An opportunity disguised in the shape of a problem.

India has traversed a long distance from being the world's

largest economy between 1 AD and 1000 AD to contributing 24.5% to the world's GDP in the 1700s to shrinking to an average of a meagre 0.8% during 1900-1950. Post-Independence, Public Sector Enterprises (PSEs) played a catalytic role in the socio-economic development of India. With liberalisation in 1991, India took another step to strengthen its economy by integrating itself with the global economy.

Today, the Indian economy has crossed the three trillion-dollar mark and is the 6th largest economy in terms of nominal Gross Domestic Product (GDP) and the third-largest by Purchasing Power Parity (PPP). The long-term growth prospective of

the Indian economy is positive, and it is poised to become the world's third-largest economy by the Financial Year 2026 by achieving the \$5 trillion economy mark with a sustained growth of 8-9 percent.

The Government of India has set few targets to achieve the goal of a \$5-trillion economy, viz. increasing the merchandise and services exports, expanding Gross Value Added (GVA) from manufacturing, increasing the installed capacity for non-fossil fuels, among others. The Production Linked Incentive (PLI) Scheme for 15 sectors, like the manufacturing of medical devices, automobiles, telecom products, Advanced Chemistry Cell (ACC) batteries,



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etc., is pushing the industry to achieve the target set by the government.

Considering these targets and the support provided by the Government, these sunrise sectors are the opportunities that need to be tapped. Although the Government has shown the path, it is equally important that industry, academia, and society come together to tackle the challenges of developing standardised global products, pushing towards research and development, skilling youths, and aligning the organizational and societal goals in line with the nation's agenda.

We need to tap the demographic advantage, and as the Government, through its New Education Policy 2020, is bridging the gap between the education system and the industry requirements, it is equally important for

both industry and academia to come together and work aggressively towards skill development.

Public Sector Enterprises (PSEs) also have a crucial role to play in the scheme of things as it has done since their inception as they are present in the crucial sectors of the economy, and over a period of time, PSEs have diversified their business activities and global presence.

As an apex body of PSEs, Standing Conference of Public Enterprises (SCOPE) is working with the PSEs and policymakers to further enhance the capabilities of PSEs because apart from contributing

to the growth of the Indian economy, PSEs' activities create significant downstream impact through strengthening MSMEs, generating employment, and providing thrust to the Government's national development agenda, among others. Therefore, it is pertinent that PSEs will help India transform through optimal utilisation of opportunities and converting challenges into possibilities. To become an intrinsic part of the global supply chain, we also need to collectively look into the possibilities of Public-Private Partnerships to take the best from both worlds and work towards the common goal.

As we celebrate the Jan Andolan of 'Azadi Ka Amrit Mahotsav', India has risen to move towards the goal of becoming the world leader as it was always destined to be. ■

Trajectory of Women's Employment in India



Kalpana Rajsinghot
Joint Secretary, MoLE



Dr. Shashi Bala*

Women's contribution to economic development has been as important as men's. However, their engagement in different activities has not been properly valued and estimated, quite on the pretext of inability to measure it. As a result, women's participation has apparently been underestimated over many decades. The present article highlights some features of employment of women in India based on statistics and studies on the subject. The article also suggests measures for increasing participation of women by formulating policies and programmes.

Be it in the past or in the present women have been in labour force but despite this, there is a debate that their participation is quite 'invisible'. At present, the statistics available across the world and particularly in India showcase women's participation to be disproportionate to her male counterparts. This phenomenon of 'disproportionate' participation sometimes appears to be a conjured up vision, far removed from the truth (Kapson, et al., 2016; Surbhi, 2018; Samantroy and Pradhan, 2020; Ghose, 2013)

In fact, women are found to work in all possible activities wherein their participation can be recognised and observed. But definitionally 'conjured up vision' has created a mindset which hinders us not to investigate the reality of complexities of women participation in the world of labour.

The phenomena of 'disproportionate participation' and the 'declining rate of participation' are being debated on widely by scholars. Many studies have been conducted to examine these phenomena.

NSSO survey data clearly show that women's participation in labour force was 44.2 percent in 2004-2005 which declined to

25.0% in 2018-19. In the latest PLFS, the percentage of participation was 28.7%.

The phenomenon of declining trend is observed both in rural and in urban area. However, the level of decline could be seen more in urban area than in rural area. It was 20.2 percent in urban area in 2018-19 and 27.2 percent in rural area in 2018-19 (see Table 1).

Table 1: Work participation Rate (in percent) for female aged 15-59 years, usual status (PS+SS)

S. No.	Year	Rural Female	Urban Female	Rural + Urban Female
1.	2004-05	51.5	24.2	44.2
2.	2009-10	39.2	19.8	33.6
3.	2011-12	37.2	21.0	32.3
4.	2017-18	25.5	19.8	23.8
5.	2018-19	27.5	20.2	25.0
6.	2019-20	32.2	21.3	28.7

Source: NSSO unemployment survey reports and periodic labour force surveys.

Before examining various reasons for decline in women's labour force participation, it is important to examine occupations /industries in which women are predominantly employed and the condition of those occupations industries during the last couple of decades.

Women workers are unevenly concentrated in all the three sectors, i.e, the Primary sector, Secondary sector and Tertiary sector.

In Primary sector, women workers are mostly engaged in forestry, livestock and agriculture being the most important sector. Overwhelming number of women are engaged in different agricultural activities like, ploughing, planting, sowing, irrigation, seeding, harvesting, crop protection, winnowing, storing, marketing, processing, pesticide spraying, etc.

Macro level data show that the participation of woman in agriculture and allied activities has no doubt increased, but the increase has been disproportionate to the increase in female labour force. Although female labour force has increased but their participation in the labour market, especially in agrarian labour market, has not increased substantially.

It may also be noted here that in agriculture sector, the overwhelming number of women labourers are employed as wage labour. As per 2011 census, the total number of agricultural labours was 144.30 million out of which 42.67 percent were female agricultural labourers. In some states, the percentage of female agricultural labour was higher than the male agricultural labour.

Today agriculture has been

diversified in terms of different crops, types of technology used, marketing, etc. The diversification process has impacted employment pattern of women and men differently. In traditional agricultural practices, manual operations in different labour processes were predominant but with introduction of new technology many agricultural activities are performed by machine in a more efficient and faster manner.

Today ploughing is done by tractors and power tiller, weeding is done by herbicides, threshing is done by threshing machines, harvesting is done by harvesters, crops are transported by motor vehicles from fields to home and market.

Earlier all these operations were carried out solely by both men and women labourers. Bullocks were used extensively for ploughing and cart pulling. Today the bullocks have disappeared and have been replaced by tractors and power tillers.

Just like the disappearance of bullock use, manual operations by human labour have also reduced, leading to shrinkage of employment in agriculture. Which has in turn reduced employment of women more than that of men. Of course, it has its bright side as well. Now, the agricultural machines have reduced women's burden of performing difficult operations while farming. This has indeed freed them from many activities which impacted their health and well-being. Today in rural area, women are pursuing education, rearing livestock, engaging in many home-based activities, like rope making, handicrafts, stitching and marketing of garments,

beedi-rolling, shopkeeping etc.

The use of technology has not only modified agricultural operations and employment pattern but has also brought in new operations. For example, the adverse impact of climate change has impacted ecology dramatically. In earlier times, pollination of different vegetables, for instance, was carried out by agricultural friendly insects and bees but now they have almost disappeared and the pollination activities are carried by human labour.

Thus technological driven agricultural operation has reduced employment opportunities for women on one side while opened increasing opportunities of employment in non-agricultural informal sector. However, there is a 'mismatch' in the emerging scenario.

The demand for employment by women is higher than the employment opportunities in the labour market, leading to disproportionate unemployment level of women as compared to men. There are other factors, like increasing population, enhanced employment choice of people because of better living standards achieved by increased family income in rural area etc.

In addition, women are now more conscious about the need for higher education. The enrolment of women in higher education has been increasing continuously over the years which finally lead to their demand for employment in more well-paid sectors. Earlier, their major concentration was in the education sector. Today in both urban and rural areas, women are slowly obtaining entry into other level of employment by their capacity.

Although the participation of women in labour force in rural area is increasing in absolute number, their ratio of participation is declining. However, the actual employment level and pattern can only be ascertained by representative study of rural area which shall examine the comparison between female population and their employment growth. In addition, the role of education, rise in overall family income and assistance from different state-run programmes should also be examined to look into the issue of declining participation of women in the labour force. The second important sector of employment is the industry i.e. especially the manufacturing sector. This sector has been an important employment providing sector in different areas like cotton textile, tobacco and tobacco products, machine tools and parts, matches, explosives and fireworks, garments etc. During the last three decades, due to liberalisation, privatisation and globalisation sectors have been adversely affected which led to decline in employment opportunity for women.

For example, Cotton textile used to employ substantial number of women in different processes of the industry but since the export of cotton textile has declined, there is a shrinkage in production and employment in this sector.

In tobacco sector, beedi-rolling activities engage a huge number of women but due to declining tobacco consumption and legal restriction, beedi industry is getting affected, resulting in decline of employment in this industry (John, 2016).

In tertiary sector, employment opportunities for women have

also not increased corresponding to the increase in the number of women seeking employment (Surbhi, 2018) Saha, 2016; Govt. of India, 2002; Singh, 2020). Another important reason could also be ascribed to skill deficit among labour force; or the skills required by the employers for these jobs are not available. Parida and Awasthi (2020) have examined this situation and found that “the workforce participation rate among both technically educated and vocationally trained youth has been declining since 1993-94 for both male and females.” (p.371). They also further noted that “there is scarcity of jobs in the labour market for which these trained youth participation rates are quite low.

Second, there exists skill gap among these youth due to which employers do not hire these workers and instead use machines to carry out their process.” (p.372).

These figures ‘in Table 2 clearly show that in 2018-19, a substantial proportion of women who obtained vocational training in different areas were not in the labour force. There may be several reasons such as unavailability of vocational specific jobs or unavailability of female workers in specific areas of different occupations/industries. There is availability of jobs, but because of job seekers inability to stay in those areas, the participation may be inadequate (Samantroy and Pradhan, 2020).

Table 2: Proportion of Females who had taken Vocational Training but are not available in Labour Force, Age. Group 15-59, 2018-19, Usual Status (ps+ss), India.

Vocational Training Acquired by Females	Rural	Urban	Total
Aerospace and Aviation	--	42.2	42.2
Agriculture, non-crop based agriculture, food processing	70.6	52.5	64.3
Allied manufacturing-gems and jewellery, leather, rubber, furniture	95.1	88.8	91.2
Artisan/craftman/handicraft/creative arts and cottage based production	23.3	40.5	30.8
Automotive	44.6	31.4	39.1
Beauty and wellness	67.0	50.2	55.3
Chemical engineering, hydrocarbons, chemicals and petrochemicals	--	19.2	19.2
Civil Engineering-Construction, Plumbing, Paints and Coatings	55.9	22.7	29.2
Electrical, power and electronics	38.5	40.2	39.6
Health care and life sciences	23.5	29.8	27.5
Hospitality and Tourism	30.4	48.2	45.9
Iron and Steel, Mining, Earthmoving and Infrastructure building	0.0	0.0	0.0
IT- ITes	61.5	49.3	53.2
Logistics	--	52.4	52.4
Mechanical Engineering, Capital goods, Strategic Manufacturing	3.3	2.7	2.9

Media-Journalism, Mass Communication and Entertainment	0.0	84.4	80.0
Office and business related work	62.3	37.6	42.2
Security	--	0.0	0.0
Telecom	80.9	59.2	65.7
Textile and Handlooms, Apparels	36.9	59.1	48.0
Work related to Childcare, Nutrition, Pre-school and crèche	23.2	46.1	34.4
Other	45.8		
Total	45.2	49.6	47.9
Source: Calculated from PLFS 2018-19	NSO	47.99	46.9

Slowly women are attaining equal footing with men. But at the ground the realities still are against women and their entry into labour market. Hence, the impediments which hinders women's entry into decent employment are many. They can be listed as: low wages, uncertain employment, inadequate social protection, unfriendly transportation and in some cases hostile work-environment, low skill and low education, social inhibition, language barriers etc.

These issues are to be addressed and resources needs to be devoted to enhance women's employment opportunity in different fields. Today India stands at 140th in gender index position as

reported by the Global Gender Gap Index, 2021.

Conclusion

The total female population in India in 1951 was 175.5 million. In 2011, the number increased to 587.58 million and in 2021, the female population was estimated to be 662.38. The literacy rate for women was 8.9 percent in 1951. And in 2011 it was 64.6 percent. It was estimated to be 70.3 percent in 2017. The figures show that over the decades, the gender gap in education is declining with correspondence to the growth of female population. The enrolment figures relating to females in three major disciplines are also very interesting. (See Table 3)

Table 3- Enrolment in major disciplines in undergraduate level

S. No.	Disciplines	Male	Female	Total No.
1.	Arts	4547708	5107878	9655586
2.	Science	2295673	2459711	4755384
3.	Commerce	2132311	2030817	4663128

Source: All India Survey of Higher Education Ministry of Education, Govt. of India.

Despite increasing level of literacy and enrolment in different disciplines at undergraduate level, the worker's population ratio has to be improved. The Periodic Labour Force Survey in 2019-20 shows that in rural area the ratio of female workers participation was 24.0 percent while for male it was 53.8 percent (Bala, 2017).

In urban area the ratio for female was 16.8 percent and for men it was

54.1 percent. Enhancement of this low ratio is needed for empowerment of women in general and women workers in particular. Special employment policies are to be formulated so that more women can participate in the world of work.

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Annexure's

Table: Availability of job contracts for (in percent) for regular wage and salaried workers, 15-59 Age Group, 2018-19, usual status (ps+ss), India

Job Contract Type	Rural+		Urban
	Male	Female	
No. of written job contract. 2011-12	64.4	64.2	
2017-18	72.4	67.0	
2018-19	70.5	67.0	
With any job contract 2011-12	35.6	35.8	
2017-18	27.6	33.0	
2018-19	29.5	33.0	

Source: Calculated from PLFS & EUS, NSO.

Table: Distribution of type of employment for persons aged 15-59 years (in percent) Usual Status (ps+ss), India

Year and Nature of Employment	Rural +		Urban
	Male	Female	
2004-05			
Self employed	52.5	60.5	
Regular Wage/Salaried	18.4	8.7	
Casual Labour	29.1	30.7	
Total	100.0	100.0	
2009-10			
Self employed	47.9	52.4	
Regular Wage/Salaried	19.0	10.7	
Casual Labour	33.1	36.9	
Total	100.0	100.0	
2011-12			
Self employed	48.7	55.6	
Regular Wage/ Salaried	21.2	13.4	
Casual Labour	30.0	31.0	
Total	100.0	100.0	

2017-18		
Self employed	50.1	51.4
Regular Wage/Salaried	25.0	21.8
Casual Labour	24.9	26.8
Total	100.0	100.0
2018-19		
Self employed	49.3	52.9
Regular wage/Salaried	26.1	22.9
Casual Labour	24.6	24.2
Total	100.0	100.0

Source: Calculated from Employment - unemployment Survey & Periodic Labour Force Survey, NSO.

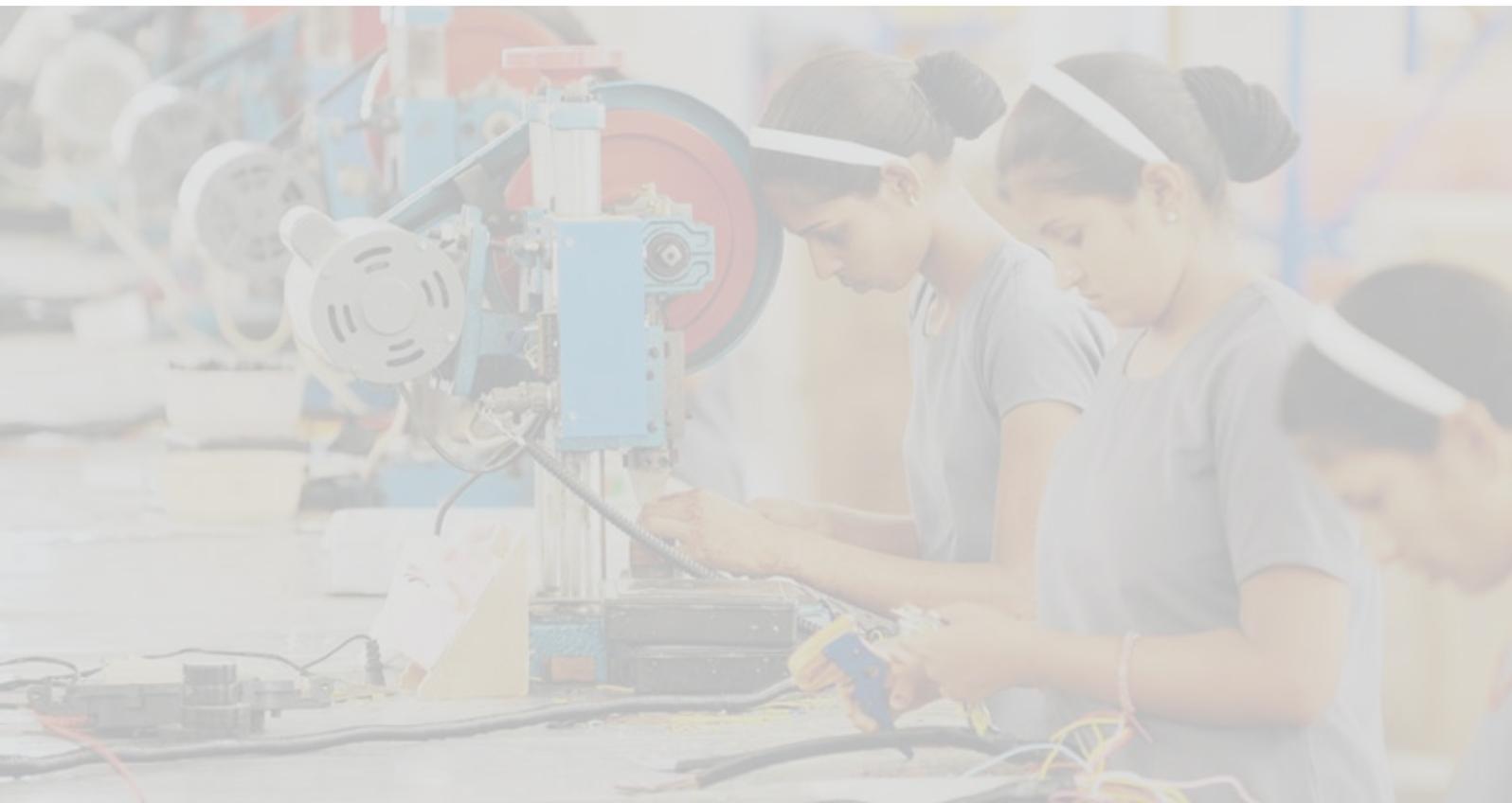
Table: Distribution of Population by Field of Vocational Training, Age Group 15-59, Usual Status (ps+ss), India

Field of Vocational Training	Rural +		Urban
	Male	Female	
Aerospace and Aviation	0.02	0.11	
Agriculture, Non-crop based agriculture, Food processing	0.93	0.43	
Allied Manufacturing-Gems and Jewellery, Leather, Rubber, Furniture	0.69	0.79	
Artisan/Craftman/Handicraft/Creative Arts and Cottage based Production	0.65	2.26	
Automotive	4.03	0.17	
Beauty and Wellness	0.16	7.00	
Chemical engineering, Hydro-carbons, Chemicals and Petrochemicals	1.08	0.23	
Civil Engineering-Construction, Plumbing, paints and coatings	4.95	1.15	
Electrical, Power and Electronics	15.70	2.17	
Health and Life Sciences	3.72	5.85	

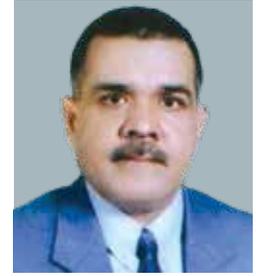
Hospitality and Tourism	1.53	1.26
Iron and Steel, Mining, Earthmoving and Infra building	1.31	0.12
IT-ITes	24.58	22.80
Logistics	0.43	0.16
Mechanical Engineering, Capital goods, Strategic Manufacturing	8.88	0.37
Media-Journalism, Mass communication and Entertainment	1.39	0.26

Office and Business related work	3.96	7.87
Security	0.48	0.02
Telecom	0.49	0.31
Textile and Handlooms, Apparels	1.68	21.10
Work related to Childcare, Nutrition, Pre-school, Creche	1.33	4.31
Others	22.01	21.28
Total	100.00	100.00

Source: Calculated from PLFS 2018-19, NSO.



Creating People Centric Organisation amidst the Pandemic: A Case in Engineering Consultancy



Dr. P. K. Chatterjee*

The COVID-19 pandemic has altered the entire outlook and forced us to switchover to iconoclastic practices never thought of before. Government of India has done a commendable job in containing COVID-19 in the country. It is acknowledged all across the globe that the action and steps taken by the government to combat have been stricter than any other country on the planet. The pandemic triggered unprecedented disruption in work, education, society and industries. The lock down extensions, work - from - home, (WFH), work - from - anywhere (WFA), virtual conferencing, flexi working (say @50% attendance), contraction of the economy, apprehension about another wave, or COVID-19 on the path to becoming endemic, etc. has put everyone on an emotional rollercoaster. There is tremendous behavioral and life style change amongst people leading to a gargantuan impact on every facet of life. People want to live by the day. It has brought in sweeping changes the way people perceive work and has resulted profound effects on all the functional areas. Women employees are finding it tough to adapt to the new normal and in creating an ideal

family-work life balance. They are facing bigger challenges, having to shoulder dual responsibilities. With the threat still looming, vagaries are in the air and long term business plans are perhaps taking a back seat. People are skeptical about the imminent future and are petrified of making critical business decisions.

The pandemic has also catapulted digital transformation into wrap speed, creating radical shifts in the new "everything-from-home" environment. Employees are increasingly leaning into the use of their personal devices such as tablets, laptops, emails, webcams, smart phones for voice & video calls, work chats, etc. for official jobs/ assignments. There is a paradigm shift in work place dynamics including leadership styles. In a quotidian office environment, where department In-charges used to have a pulse via MBWA (management by walking around), quick catch-ups after browsing the "inbox- sent mail" menu, in-coming daks, informal corridor chats, brisk follow-ups over a cup of lemon tea, across the table review meetings at regular intervals, etc., these practices are not apposite in today's virtual working environment. To be

truly effective in this pandemic, organization need to rejuvenate itself, specially in people centric institutions rendering intellect services like engineering consultancy, management consultancy, legal consultancy, financial consultancy, tax consultancy, health care, etc. where business analytics revolve around people, as the people play an indispensable role in service delivery and client elation.

Engineering Consultancy Services - The Anatomy

Engineering consultancy, as the name suggests, is erudition and expertise intensive idea imparting profession which encompasses value added engineering- non engineering advises to clients/ customers and recommending appropriate course of action to implement the recommendations. The scope of services of an engineering consultant include the entire gamut of activities related to setting up of projects in green as well as brown fields either in advisory role as owner's design engineer and/or in participatory role as owner's site engineer on total responsibility basis from concept to commissioning. (Chatterjee & Chatterjee, 2019)

* Chief General Mgr. (Retd.), MECON Ltd., Ranchi.

Role People (Engineers) play in Engineering Consultancy Services

In engineering consultancy, the relevance of people (engineers) is in-exorable as they are at the nucleus of the service mix and constitute the central force in the business matrix. In engineering consultancy, the brand image and brand equity of the consultancy organization is built by them. The engineers create moments of truth about their organization with the client's project team, contractor, vendors, statutory authorities (IR tribunals, Financial Institutions, Indirect Taxation, EICS, EPFO, etc.) during service delivery. Their knowledge, attitude, competence, talent, etc. creates an impression, reinforces client's beliefs and reinforces client's perception. They are the backbone/ spinal cord of the organization. They usher cutting edge and create service differentiation in industry which results in client delight, referrals, repeat orders, new work orders on nomination basis, etc.

The above establishes the fact that people are the cynosure in the abstruse field of EC and hence management of people is quintessential. Organizations have to accept this veritable fact in the right earnest & spirit, have to be more human towards the people. They should respect subordinates and their suggestions thereby injecting an amicable and egalitarian culture, thereby creating a people centric organization for improving people moral and productivity.

Making People Centric Organization happen in Engineering Consultancy

In the aftermath of the COVID-19, the global perception of HR has undergone a paradigm shift. The

human in HR has assumed paramount importance. As a virtual working has made virtual leadership a new reality, there is a strong need to develop a contemporary people centric organization. In addition to monetary motivators, the non-monetary motivators (which do not have a bearing either on consultant's balance sheet or statement of profit & loss) need to be stressed upon. Similarly we should know the factors that demotivate employees. Some of the basic theories of motivation like Maslow, McGregor or Herzerg, point towards the same factors which extol & motivate people, belittle & de-motivate people and so on. To start with, the musings may encompass the following nano elements: Transparency, Positivity, Acknowledgement, Uniqueness, Meaningful listening, Acceptance of variances towards improvement, HR audit, etc.

Transparency means the open disclosure of information with eloquence in communication. It involves free and permeable exchange of relevant information and the context with which to understand it. It brings both business ethics and cultural elements to the workplace. Positivity means an optimistic attitude or positivity in thoughts, words and actions. Positivity puts organization ahead of the game by making the approach to problems proactive instead of retroactive. Looking at what is going well allows organization to capitalize on strengths and not be forced into continually reacting to changing circumstances. Acknowledgement means open appreciation for employees' efforts which may be recognition based and reward based Acknowledgement; peer-to-peer

or top-down, motivates people to carry out their day-to-day efforts in more productive manner. It is reward or a non-monetary motivator that overshadows monetary motivators and increases people's dedication. Recognition in various forms fills a basic human need. When people's commitment is acknowledged, they are more likely to stay with the organization and reach their apogee. Uniqueness in individual employees reverberates in the organization's brand. In EC, people are considered to be the face of the organization and their attitude towards engineering as well as non engineering issues and personal traits are organization's USP. People centric culture makes organizations unique w.r.t. workplace uniqueness, employee uniqueness, etc. Meaningful listening skills lie at the heart of how an organization actualizes its mission and vision. Promoting meaningful listening in organization will lead to more effective teamwork and possibly, break through insights that affect business performance. Acceptance of variances towards improvement are not indelible blemishes but ingenious opportunities for growth and learning. Rewarding rather than chiding or punishing for mistakes, is a catalyst and spring board. People prefer to work for organizations that accept their human limitations, and they will be quick to glide past temporary setbacks towards improvement. Conducting HR audit (measurement & analysis) ensures that both the HR policies and practices/ SOPs are in consonance with the goals in the light of both internal as well as the external environmental changes. It gives a window into employees' work

experience and therefore, mirrors organization's existing culture. In the intellect business where the role of HR is strategic, HR audit at regular intervals acts as a boon in identifying the strengths and the weaknesses in the HR system, the gaps between the ideal target and the actual and pave the way for potential improvement by bridging the gaps. The potential embodied by each of these nano elements would be enough to reflect/pique the interest of organization looking for a higher degree shift in performance.

Further, Citrin and DeRosa (2021) coined the term RAMP acronym to build high performance people team (Relationship, Accountability, Motivation and Processes). They opined that all the four are needed if one desires a high performance team in a remote WFH/ WFA world. They further insisted that leaders need to listen carefully in remote working and hear the tacit. In remote working it is the responsibility of all the members to keep the show on the right track for its effectiveness. Though the remote way of working is associated with many intricate challenges, the biggest advantage is that crucial feedback can be given more easily than the tangible office world.

Rolling out Work-from Home (WFH) Practice

To arrest furthering the spread of COVID-19, the people based organizations switched over to WFH philosophy as a precautionary measure as well as to comply with Government guidelines to prevent spreading the pandemic. The WFH philosophy appears noble but is associated with operational challenges. The first and

foremost challenge of suddenly switching to WFH is that people does not have work-ready homes. To bridge this gap, the need is to have work-ready homes. Engineering consultancy service organizations have to create a dedicated workspace to do Video conferencing through Zoom, Skype, Viber, Go-To-Meetings, Google Classroom, etc. and provide the infrastructure-technology they need to work efficiently. One of the biggest challenge was the need for fast and reliable internet connectivity. Optical fibre based internet services like Bharat Broadband Network Limited, Jio Fibre, Airtel X Stream, etc. could be important stepping stones in this regard.

The WFH philosophy appears noble but there may not be a 100% transition to a WFH arrangement. WFH practice is associated with operational constraints and challenges which need to be addressed accordingly. Few such challenges could be as follows. The first and foremost challenge of suddenly switching to WFH is that people does not have work-ready homes. To bridge this gap, the need is to have work-ready homes. Further, with teams working from different locations, it is up to HR team to ensure that there is open flow of communications and that all the team members are aware of the organization's strategic directions. Also, people's mind set needs to be in consonance with WFH objectives and be candid of working in a smaller virtual workspace. Even with the many benefits that one can get while working from home, there are still downsides, such as social isolation/ seclusion, or feeling lonely. Unfortunately, WFH practice has led to serious grievances

like contacting the employees at any time of the day. There is therefore, a need to enforce strict discipline about communicating with people working from home. An employee may be contacted outside of regular office hours only in an emergency and not for routine things. As such, the HR had the responsibility of keeping the people/ employee motivated.

Conclusion

People management has always been a critical factor in the success of any service organization. This is more apparent during the pandemic with people working on their own from the comfort of their homes. Today, people management is confronted with a new situation never planned to deal for so long. Leadership has now to look at from a distance/ virtual platform. In the pandemic, employees are more likely to follow what leaders do, not say. The notion that remote working is less effective w.r.t tangible office working is losing significance as a huge jump in commitment has been reported for many organizations leading to better results in the pandemic. Further, WFH or WFA will pay dividend when there is role clarity and accountability of the stakeholders.

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The Way Ahead- Energy Transition



Neha Raviraj Takpire
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There are two types of thought processes on this new buzzword-Energy Transition. Optimistic and Pessimistic. Optimistic thought process nudges us to make immediate changes in the ways of our business to contribute to mitigating emissions. While the Pessimistic thought process tells us to trade with caution in the new energy landscapes as there are still uncertainties on how it would pan out. Each of those views has its own merits, its assessment and its standing. However, there are some hard truths raised above those views- the bitter Reality of Climate Change.

The global temperature has already risen by about 1.1 degrees Celsius since the industrial revolution. With rising temperatures, extreme weather patterns, including deadly heatwaves and storms, will be far more frequent, droughts become more common, and water becomes scarcer. Those who closely follow climate and weather patterns have seen how frequent floods, cyclones, dry spells, heat waves and other extreme weather events are happening across the world.

In the last couple of months, we witnessed a scorching Heatwave that swept across India and

Pakistan. There were few spots where the temperature crossed 50 degrees Celsius. March and April were the hottest in India since records began 122 years ago. This heatwave was made 30 times more likely by climate change, according to a recent study from World Weather Attribution (WWA) consortium. The impending climate crisis looms over us and the urgency to act now has never been so critical.

The crusaders of Energy Transition across the globe make their case for all the businesses and economists. According to the Carbon Disclosure Project (CDP), an international non-profit organisation that helps companies and cities disclose their environmental impact, Indian companies stand to collectively lose over Rs. 7.14 lakh crore if they do nothing to mitigate climate risks in the next five years. These risks come from physical phenomena like floods, emerging regulations, emission caps, changing customer behaviour preferences, and even potential legal issues. But if done right, opportunities worth Rs. 2.9 lakh crores.

The world is now aiming to manage the balancing act between economic prosperity for all and adopting ways to mitigate

climate change ensuring energy security and universal access to energy. Perhaps this is best represented by the 17 United Nations Sustainable Development Goals, to which countries and companies are increasingly aligning in expressing their sustainability priorities.

At the end of 2021, 92 countries covering 78 percent of global greenhouse gas (GHG) emissions had net-zero pledges in place and close to 2,200 companies globally had announced net-zero pledges accompanied with science-based targets. As many as 56 Indian companies have committed to reducing greenhouse gas emissions, according to the Science-Based Target Initiative, a global coalition that enables firms to set climate goals. However, converting these goals into a short term, medium and long term action plan with reporting and monitoring mechanism is the real task.

At United Nations Climate Change Conference 2021, aka COP26, Glasgow Climate Pact was signed. The various measures for mitigation, adaptation, green financing and other parallel processes such as gas methane emission reduction, limiting of de-forestation etc. were drawn. India too announced the

‘Panchamrit’- five pledges including the Net-zero pledge by 2070. It is a huge and challenging step for India. Weaving these five pledges into an action plan and submitting it in the form of an updated Nationally Determined Contributions (NDCs) is in progress.

Simply offsetting carbon emissions will not suffice for the countries and companies. There is a pressing need for a reduction in absolute emissions. The Inter governmental Panel on Climate Change (IPCC) has estimated that limiting global average temperature increases to 1.5°C requires a reduction of CO2 emissions of 45% in 2030 or a 25% reduction by 2030 to limit warming to 2°C. The current NDCs submitted to the UN are insufficient in reducing emissions targets by a long way. There is an urgency for further collaborations on an international level for research and development of new technologies and seamless sharing of green technologies between countries. Economies of scale and maturing of technologies are paramount for faster and wider adoption, especially in nascent sectors like Hydrogen, Carbon Capture and battery technologies.

The energy forecasters like International Energy Agency, BP and other consultancies give a promising outlook for Renewables, EV adoption and the Hydrogen sector. Going forward, many countries and businesses are betting high on these sectors aided by the wave of ESG based investments. Investments with ESG commitments have now crossed \$40 trillion globally, according to ESG Risk. In India, 7% of the assets under management are ESG investments. That number

Global investment in EVs has grown faster than any other new-energy sector over the past few years, exceeding even wind and solar power. Global EV sales more than doubled to 4.2 million vehicles in 2021 from just over 2 million in 2020. Automotive consultancy LMC has forecast global EV sales will hit 9 million in 2023 and 14.2 million in 2025. When the EVs were coming closer to their gasoline-powered cars in the cost-competitive terms, the prices of raw materials for battery manufacturing including lithium, cobalt and nickel shot up in the past year.

is likely to rise to 30% by 2030. There are active international collaborations like the International Solar Alliance, European Clean Hydrogen Alliance and the recently launched Global Hydrogen Industry Association Alliance (GHIAA). Along with this, the green financing from ESG funds, and green funds like Global Environment Fund (GEF) will aid the global transformation.

Many global oil giants have chalked out their plans for net-zero emissions in at least Scope-1

and Scope-2 emissions in the span of the last couple of years. The downstream oil companies are diversifying into ‘Energy Companies’ to prepare for the energy transition. The broad sectors include Solar, Wind energy generation, Bio-fuels, Power Supply and EV ecosystem.

However, the path for the new sectors is not without hurdles. Each sunrise sector poses its own challenges. Renewable energy is attractive and now becoming financially feasible with input costs dropping gradually over the years. Solar and wind builds already come at a lower cost than existing fossil fuels in most countries. However, the intermittent nature of the power makes it largely dependent on storage. The grid instability and energy loss during transmission haunt the power distribution. China’s solar parks are mainly concentrated on the western part of the ‘Hu Line’ (an imaginary line that divides the area of China into two parts with contrasting population densities) inhabited by only 6% of the Chinese population. Whereas the power-consuming cities are on the eastern side of the ‘Hu line’ where the rest of the 94% population lives. This results in huge transmission losses. Whereas in India, there would be a problem of large availability of land for putting up mega solar or wind parks.

China is the world’s biggest solar market in terms of money spent, panels manufactured, and energy produced. The International Renewable Energy Agency predicted that by 2050, about 20 million tonnes of PV panel waste could be accumulated in China – the largest amount of solar trash worldwide. The hazardous

materials like sulphuric acid and phosphine gas used to make the PV panels are difficult to recycle. The need to define a policy for the proper process for decommissioning solar panels is of near concern.

Using Renewable energy to generate the high temperatures required for the processes in industrial manufacturing would be difficult as it would need to require changes in furnace design.

Global investment in EVs has grown faster than any other new-energy sector over the past few years, exceeding even wind and solar power. Global EV sales more than doubled to 4.2 million vehicles in 2021 from just over 2 million in 2020. Automotive consultancy LMC has forecast global EV sales will hit 9 million in 2023 and 14.2 million in 2025. When the EVs were coming closer to their gasoline-powered cars in the cost-competitive terms, the prices of raw materials for battery manufacturing including lithium, cobalt and nickel shot up in the past year. This would reverse the cost-competitiveness of EVs and slow the EV revolution. Lithium Demand has outstripped supply, pushing prices up almost 500% in a year, while cobalt is up around 85%, and nickel about 55%, over the past year. Another issue with these wonder metals is that few countries have them. 81% of the Lithium is mined in Australia and Chile. Nickel is mainly mined in Indonesia, the Philippines and Russia. Any geo-political tension arising can disrupt the supply chain. So, there is uncertainty about the momentum with which EVs will potentially grow.

Green Hydrogen is the most flexible type of energy among the

future fuels. It will play an important role as an energy carrier, which enables the transfer of energy from one place to another. Energy stored as hydrogen will help stabilize increasingly volatile power grids. The big prize is hydrogen's potential to decarbonize carbon-intensive and hard-to-abate sectors like steel, shipping, natural gas (hydrogen blending) and long haul road transport. Even with this rosy picture, the production of green hydrogen is still very expensive. BY 2030, this picture will change as the production cost could go down to \$1-1.5 per KG in most countries.

India has ambitious plans in motion for all the sunrise sectors. India has pledged to build 500 GW of non-fossil energy capacity, mostly renewables by 2030. India is rich in renewable energy, especially solar and wind. There are many PLI schemes in solar module manufacturing, ACC Battery Manufacturing, and the production of EVs and hydrogen fuel vehicles. Electric Vehicles' adoption in two-wheelers, passenger vehicles and buses is showing a great headway due to schemes like Faster Adoption and Manufacturing of Hybrid & Electric Vehicles in India (FAME). Total EV retail sales reached 4,29,217 units in 2021-22, a rise of three-fold from 1,34,821 units in the financial year 2020-21, according to FADA. India also plans to launch a comprehensive green hydrogen mission in the coming two months to take forward the green hydrogen policy announced in February 2022. The mission is also expected to list the sectors that will have to start using green hydrogen on a voluntary basis and a roadmap for sectors such as fertilizer and



petrochemicals to use the green fuel mandatorily. This would surely boost the demand for green hydrogen which would encourage production.

The robust roadmap for Bio-fuels has already resulted in achieving 9.45% ethanol blending in the first four months of Ethanol Supply Year (Dec-Nov) 2021-22. India is set to achieve 20% ethanol blending by 2025 with concentrated efforts on building 1G, 2G bio-refineries, expanding ethanol tankage across the country and smoothening the future supply chain. Going forward, the path of Energy transition is still uncharted and yet the only path to take. Companies like HPCL are looking to make the path as robust and as well planned as possible. Handling new technologies, financing the transition and developing capabilities in the new areas are some of the toughest challenges ahead of us.

One thing is certain that, only through a concerted effort from governments, businesses, individuals and communities as a whole, that we can find a pathway through the energy transition. It is the only path that will help us in securing the future of our planet and of the generations to come. ■

New and Improved Convention Centre at SCOPE Complex and SCOPE Minar

Conference Halls and facilities are being sanitized and fumigated on a regular basis.
Booking of halls are now open in line with Government guidelines.

Conference Facilities at SCOPE Convention Centre Lodhi Road, New Delhi

The centrally air-conditioned SCOPE Convention Centre at SCOPE Complex, Lodhi Road, New Delhi provides excellent conference facilities to PSEs, Govt. Departments, Autonomous Bodies, Institutions/NGOs etc. The Auditorium and other Conference Halls are equipped with projector and screen facilities, sound & light control room with recording & P.A. facility, etc. Details of the capacity of the Auditorium and other Halls, which are available on nominal tariff are given below:

Auditorium



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

Bhabha Chamber (Board Room)



The chamber having 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 having 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 having capacity of 7 persons equipped with multi point Video Conferencing System (1+3), at three locations at a time for National & International both.

Annexe II



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

Banquet Hall



The banquet hall having 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 capacity of 30 persons and also has stage & podium equipped with projector and screen.

Annexe I



The Annexe-I has 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, an architecturally conceived in the form of two high rise curvilinear tower 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 a green environment 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 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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There is a wide space for vehicle parking that cater for a capacity of 550 cars, including the newly built good quality Banquet Hall wherein 300 delegates can comfortably dine at a time, makes it special to deliver an all-round conducive meeting environment.

Union Minister of Coal visits NLCIL issues appointment orders to the kin of NLCIL COVID-19 Victims

The Union Minister of Coal, Mines and Parliamentary Affairs, Mr. Pralhad Joshi, undertook his maiden visit to NLC India Limited at Neyveli recently.

Mr. Pralhad Joshi was given a warm welcome by Mr. Rakesh Kumar, CMD, Functional Directors and Senior Officials of NLC India Limited on his arrival at Neyveli. A ceremonial Guard of Honour was presented.

Mr. Pralhad Joshi dedicated the renovated Registered Office of NLCIL at Chennai through Virtual Mode from Neyveli. He also had an interaction with the Senior Officers of NLCIL and the representatives of recognized Trade Unions, Associations and Welfare Federations.

He participated in a function organized at the Lignite Hall and handed over Provisional appointment orders to the kin of NLCIL employees who had lost their lives due to COVID-19.

NLC India Ltd., in a sympathetic gesture, had accorded approval to consider COVID-19 deaths of its employees, as Industrial accidents for providing compassionate employment to one of the legal heirs of the deceased employees. Accordingly, 85 such cases were considered for employment out of which 6 appointment orders were issued by the Union Minister of Coal, Mr. Pralhad Joshi.

Delivering his Chief Guest address during the function, Mr. Pralhad Joshi stressed on the importance of coal in India's



Mr. Pralhad Joshi, Union Minister of Coal, Mines and Parliamentary Affairs distributing Provisional Order for Appointment on compassionate ground to one of the legal heir of the deceased employees who had lost their lives due to COVID-19. Also seen are Mr. Rakesh Kumar, CMD, Functional Directors and CVO of NLCIL.

energy security today. India had a balanced energy mix and this was helping us move steadily towards our Energy-Environmental goals.

In this regard, NLC India's efforts towards mining lignite and generating power deserved appreciation, he said.

He commended the significant role played by NLCIL in fighting COVID even as the country emerged from the global pandemic. He thanked all the coal warriors for their unhindered contribution even during the lockdown and paid his respect and tribute to those who laid their lives in serving the nation during COVID.

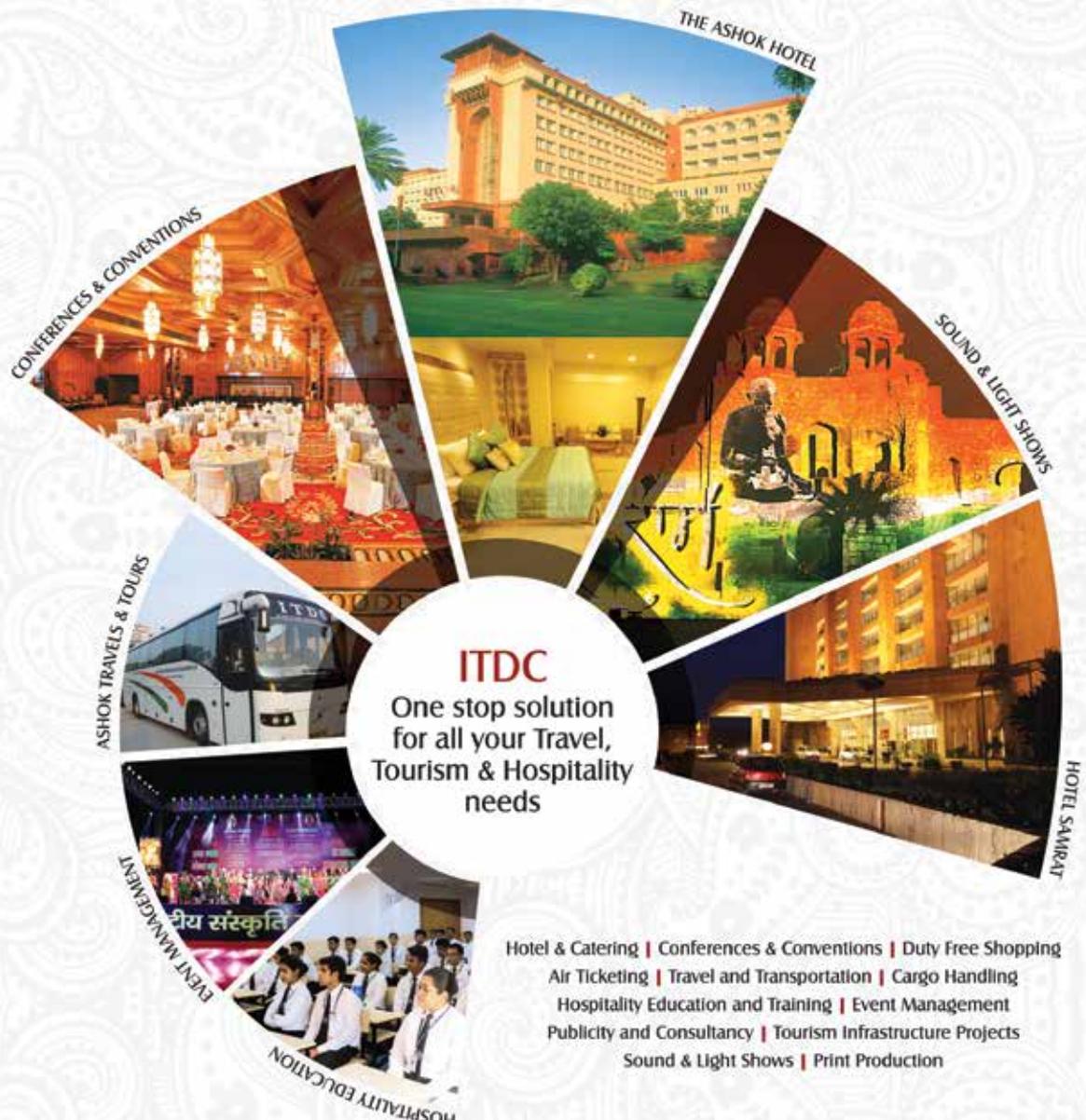
Mr. Rakesh Kumar, CMD, NLCIL welcomed the gathering while Mr. N. Sadish Babu, Executive Director/HR, proposed a vote of thanks. Earlier in the day, Union Minister visited the Mines, Neyveli New Thermal

Power Plant (NNTPS), Anandham Illam (Elders' Home managed by NLCIL) and Solar Installations. The Minister surveyed the operations of the Mine machineries, functioning of the 1000 MW Neyveli New Thermal Power Plant and the solar installations.

The visit of the Union Minister comes close on the heels of declaration of a record performance by NLCIL in the last Financial Year 2021-22. NLC India Limited has achieved the highest ever targets in total power generation, total power export, coal production, Lignite sales and collection efficiency.

Union Coal Minister Mr. Pralhad Joshi exhorted the employees of NLCIL to shine on national scale and take forward the legacy of this company, while assuring that the government would offer all support with all possible cooperation. ■

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ONGC declares results for FY'22;

posts highest ever net profit of Rs 40,306 crore for FY'22, up by 258%, highest ever total dividend of 210% for FY'22

Highlights

- Gross Revenue Rs. 34,497 crore in Q4 FY'22, up by 63%; Rs. 1,10,345 crore in FY'22, up by 62%.
- Net profit Rs. 8,860 crore in Q4 FY'22, up by 32%; Rs. 40,306 crore in FY'22, up by 258%.
- Total dividend for FY'22 Rs. 10.50 per share (210%) considering interim dividend of Rs. 7.25 per share (145%) and Final dividend of Rs. 3.25 per share (65%).
- Four discoveries made and six monetized in FY'22.

ONGC Board of Directors in its 350th Meeting held recently, approved the annual results for FY'22.

Financial Performance

Particulars	Q4 FY'22	Q4 FY'21	% Var	FY' 22	FY'21	% Var
Gross Revenue (Rs. Crore)	34,497	21,189	62.8	1,10,345	68,141	61.9
Profit/ (loss) Before Tax (PBT) (Rs. Crore)	11,714	8,928	31.2	41,040	16,403	150.2
Profit/(loss) After Tax (PAT) (Rs. Crore)	8,860	6,734	31.6	40,306	11,246	258.4
Crude Oil Price-Nominated						
Net Realization (US\$/bbl)	94.98	58.05	63.6	76.62	42.78	79.1
Net Realization (Rs./bbl)	7,147	4,231	68.9	5,709	3,174	79.9
Crude Oil Price-JV						
Realization (US\$/bbl)	95.53	59.16	61.5	77.15	43.87	75.9
Realization (Rs./bbl)	7,189	4,312	66.7	5,748	3,255	76.6
Gas Price						
Price on GCV basis (\$/mmbtu)	2.90	1.79	62.0	2.35	2.09	12.4

Dividend pay out

The total dividend for FY'22 would be 210% (Rs.10.50 per share of face value Rs 5 each) with a total payout of Rs. 13,209 crore. This includes interim dividend of 145% (Rs. 7.25 per share) already paid during the year and final dividend of 65% (Rs.3.25 per share) recommended by the Board.

Production Performance

Particulars	Q4 FY' 22	Q4 FY' 21	% Var	FY'22	FY'21	% Var
Crude Oil-ONGC (MMT)	4.651	4.752	(2.1)	18.604	19.172	(3.0)
Crude Oil-JV share (MMT)	0.513	0.552	(7.1)	2.162	2.260	(4.3)
Condensate (MMT)	0.226	0.247	(8.5)	0.941	1.101	(14.5)
Total Crude Oil (MMT)	5.390	5.551	(2.9)	21.707	22.533	(3.7)
Gas – ONGC (BCM)	5.167	5.385	(4.0)	20.907	22.096	(5.4)
Gas – JV share (BCM)	0.172	0.199	(13.6)	0.773	0.720	7.4
Total Gas (BCM)	5.339	5.584	(4.4)	21.680	22.816	(5.0)
Value Added Products (KT)	753	764	(1.4)	3,089	3,120	(1.0)

The decrease in oil/gas production is mainly due to impact of cyclone-Tauktae in Western Offshore Assets and Western Onshore Assets and modification work at Hazira.

Exploration Performance

- ONGC has declared 4 discoveries (2 in onland, 2 in offshore) during FY 2021-22 in its operated acreages. Out of these, 3 are prospects (1 in onland, 2 in offshore) and 1 is new pool (onland).



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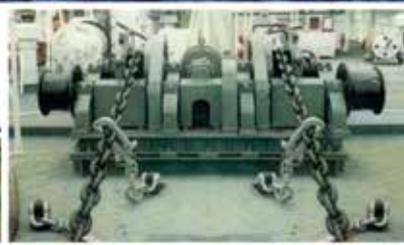
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Six hydrocarbon discoveries have been monetized during the year including the two discoveries notified during the fiscal of 2021-22.

- Exploratory well Hatta#3 in Son valley sector of Madhya Pradesh produced gas @ 62,044 m³/day on testing and confirmed the potential of commercial production from Vindhyan Basin paving the way for establishing the 9th producing Basin of India. ONGC is working out various options for early monetization.
- The details of latest prospect discovery notified since the last press release in this regard are as under:

Exploratory well SD-4-4 was drilled in C-Series Nomination ML Block in Mumbai Offshore. Two objects were tested in Daman Formation, object-I flowed gas @ 4,52,351m³/d and condensate @1004bpd and object-II flowed oil @1747bpd with gas @30,291m³/d. With these results, commercial hydrocarbon presence especially that of oil along the rising flank of the Eastern margin fault is established. The prospectivity of such fault blocks may open up a corridor for exploiting oil accumulations in Tapti Daman area.

Reserve Accretion (Estimated Ultimate Recovery: EUR, 2P): FY'22

(in MMTOE)

ONGC operated domestic areas	40.82
ONGC share in Domestic JVs	0.83
Total Domestic	41.65
ONGC Videsh's Share in Foreign Assets	31.53
ONGC Group	73.18

Reserve Replacement Ratio (RRR) of ONGC-Operated Domestic Areas

Reserve Replacement Ratio (2P) from domestic fields (excluding JV share) was 1.01. With this, ONGC has achieved Reserve Replacement Ratio (2P) of more than one for the 16th consecutive year.

Consolidated Financial Results

- Consolidated Turnover Rs. 5,31,762 crore in FY'22 as against Rs. 3,60,464 crore in FY'21.
- Consolidated Group Net Profit (PAT) Rs. 49,294 crore in FY'22 as against Rs. 21,360 crore in FY'21.

Personalia



Mr. P. Udayakumar

Director (Plng. & Mktg.) assumes additional charge as Chairman & Managing Director of National Small Industries Corporation Ltd.



Commodore P. R. Hari, IN (Retd.)

assumes charge as Chairman & Managing Director of Garden Reach Shipbuilders & Engineers Limited.



Mr. Sanjay Jindal

assumes charge as Director (Finance) of Engineers India Limited.



Commander Shantanu Bose, IN (Retd.)

assumes charge as Director (Shipbuilding) of Garden Reach Shipbuilders & Engineers Limited.



Mr. Jayadeva E.P.

assumes charge as Director (Operations) of Hindustan Aeronautics Limited



Cdr. Vasudev Puranik, IN (Retd.)

assumes charge as Director (Corporate Planning & Personnel) of Mazagon Dock Shipbuilders Limited



Mr. A. K. Tulsiani

assumes charge as Director (Finance) of Steel Authority of India Limited.



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23rd Mines Environment and Mineral Conservation Week concludes at Bhubaneswar

The 23rd Mines Environment and Mineral Conservation week (ME&MC) concluded recently at Bhubaneswar. Mr. Sridhar Patra, CMD, NALCO, graced the concluding day cum prize distribution ceremony as the chief guest. Mr. P. N. Sharma, Chief Controller of Mines (I/C) MDR, IBM, Mr. B.K. Das, Director (Production), NALCO, Dr. Y. G. Kale, Controller of Mines (East Zone), IBM, Mr. B. L. Gurjar, Regional Controller of Mines, IBM, Bhubaneswar Region were present on the occasions as the Guests of Honour.

Worth mentioning that the week-long ME&MC week was observed earlier from 22nd to 28th February 2021, under the aegis of the Indian Bureau of Mines, Bhubaneswar Region. National Aluminium Company Limited (NALCO), hosted the concluding day function and awards ceremony of the 23rd Mines Environment and Mineral Conservation week.



Mr. Sridhar Patra, CMD, NALCO; Mr. P. N. Sharma, Chief Controller of Mines (I/C) MDR, IBM; Mr. B. K. Das, Director (Production), NALCO; Dr. Y. G. Kale, Controller of Mines (East Zone), IBM; Mr. B. L. Gurjar, Regional Controller of Mines, IBM, Bhubaneswar Region during the concluding day.

As part of the week-long observance, inspection of mines, and competitions were organized to create awareness about mines environment and mineral conservation among employees and other stakeholders.

To mark the occasion, “Paryavaran Bandhu Awards” and “Mineral Conservation Bandhu Awards” were conferred upon the individual employees of various mines

for their noteworthy contribution in the field of environment management and mineral conservation. Awards on best posters and slogans were also presented to school children.

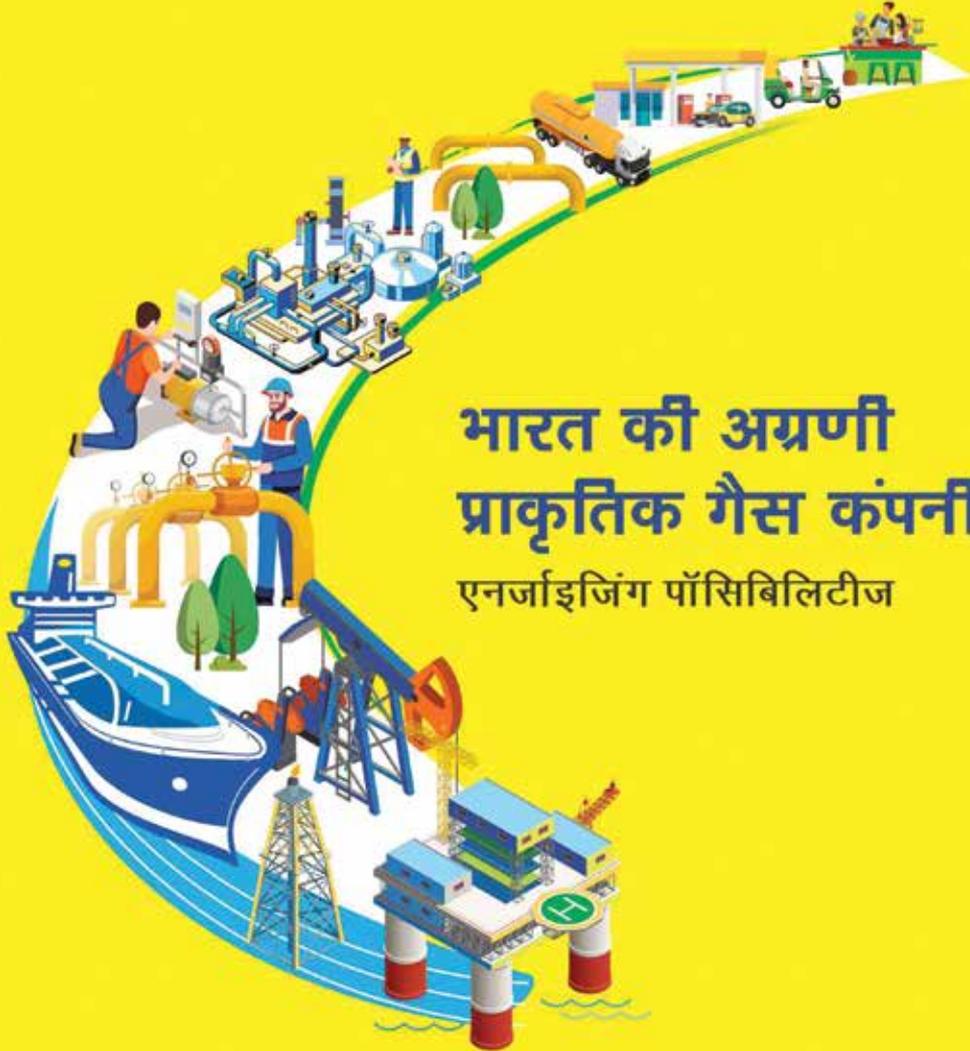
At the outset, Mr. Amiya Kumar Swain, Executive Director (Production), NALCO and Vice Chairman Organizing committee delivered the welcome address, while Mr. B. L. Gurjar, Regional Controller of Mines and Convener, Organizing Committee presented the report on the 23rd ME&MC Week. A 15-minute video depicting the exemplary work done by mines during the pandemic period for uninterrupted production and adopting best practices towards environment protection and mineral conservation was shown during the event. Altogether 78 mines including bauxite, chromite, dolomite, limestone, iron, manganese and graphite mines participated in the celebrations.



Mr. Sridhar Patra, CMD, NALCO addressing the awards ceremony of the 23rd Mines Environment and Mineral Conservation week.



गेल (इंडिया) लिमिटेड



भारत की अग्रणी प्राकृतिक गैस कंपनी एनर्जाइजिंग पॉसिबिलिटीज

देश में बेची जाने वाली प्राकृतिक गैस में 53% का योगदान

भारत में कुल प्राकृतिक गैस संभरण पाइपलाइनों के 3/4 भाग का संचालन



PSEs Ink MoU

OIL signs MoU with homiHydrogen to work together in the green hydrogen value chain

Oil India Limited (OIL) signed a Memorandum of Understanding (MoU) with homiHydrogen Private Limited in order to boost India's efforts towards energy transition for achieving net zero by 2070 and support development of indigenous technology and manufacturing under Aatmanirbhar Bharat in the field of hydrogen and green energy technology.



Signing of MoU between OIL and homiHydrogen.

homiHydrogen is a joint venture company established by Electrolyser experts from Germany, Switzerland, Italy and Norway to manufacture all the four types of electrolysers under one roof. It is promoted by well-established companies like h2e Power Systems Private Limited, BluebasicAma Engineering Private Limited and Greenstat Hydrogen India Private Limited.

OIL and homiHydrogen plan to work together to establish a framework that can enable the parties to study, structure and agree on a possible long-term partnership, which could include manufacturing and packaging of electrolysers in India and become an integral part of the Green Hydrogen value chain.

The collaboration will foster Aatmanirbhar Bharat initiatives of Govt. of India and provide impetus towards hydrogen economy in the country.

Engineers India Ltd. appointed as Project Management Consultant by Neyveli Lignite Corporation for Lignite to Methanol Project

Engineers India Limited has been engaged as Project Management Consultant (PMC) recently by NLCIL for its landmark Lignite to Methanol project, first of its kind in India.

The 1200 TPD Lignite to Methanol project at Neyveli, shall be instrumental in fulfilling Hon'ble PM's Vision of AatmaNirbhar Bharat and self-reliant India.



Ms. Vartika Shukla, CMD, EIL along with other officials from EIL during the MoU signing.



Mr. Rakesh Kumar, CMD, NLCIL along with other officials of NLCIL during the MoU signing.

EIL's rich experience in Mega Project Execution in Energy sector amalgamated with NLCIL's zeal shall ensure that this landmark project will successfully be turned into a reality through fast track implementation. This landmark project is expected to be commissioned in 2027.

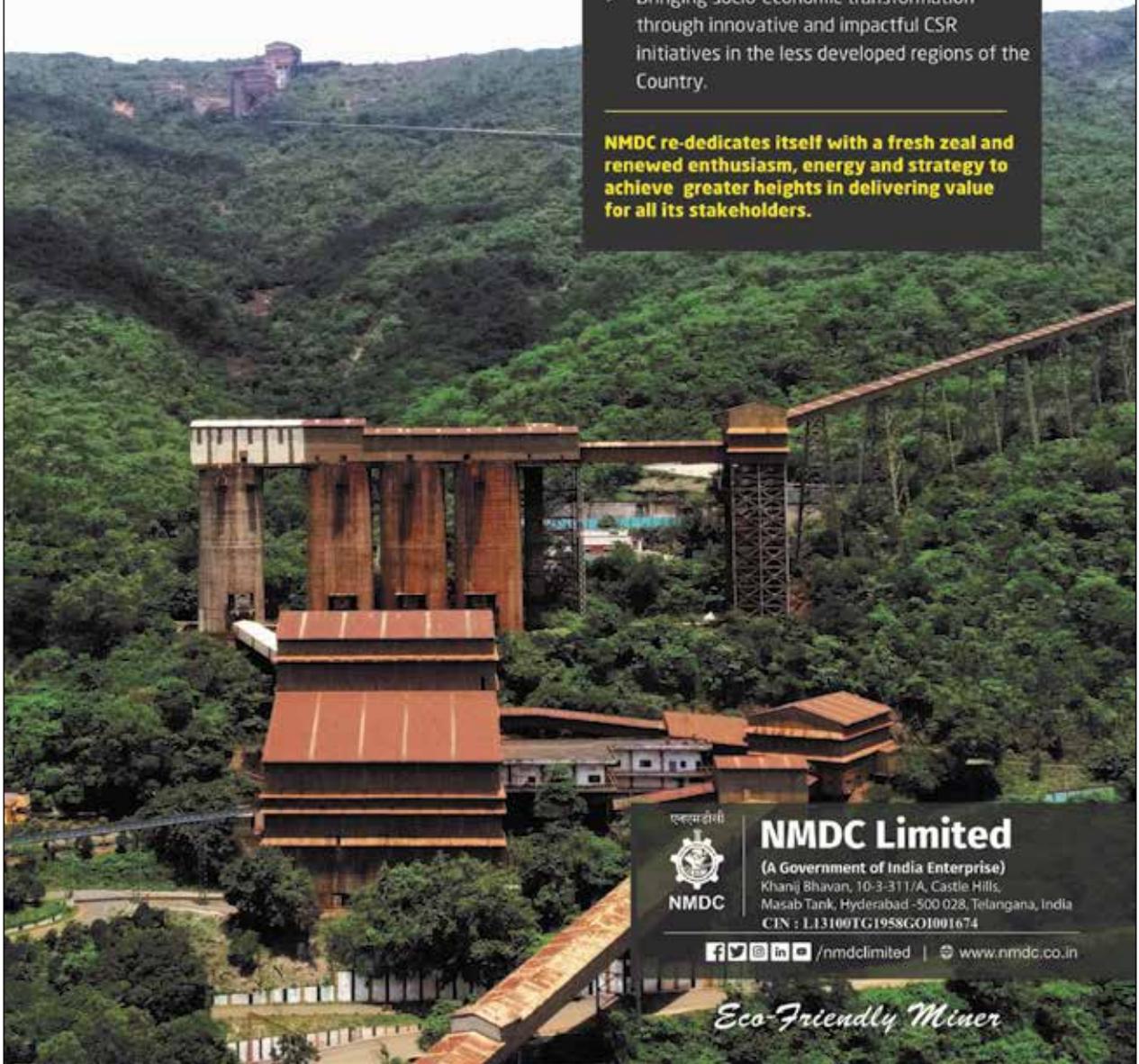


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- > Bringing socio-economic transformation through innovative and impactful CSR initiatives in the less developed regions of the Country.

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Eco-Friendly Miner



PFC extends Financial Assistance for the establishment Trauma Centre in Siddharthnagar, UP under its CSR Initiative

PFC has signed a Memorandum of Agreement (MoA) to provide Financial Assistance of Rs.4 crore for the establishment of Trauma Centre in the premises of Madhav Prasad Tripathi Medical Hospital (MPTMC), Siddharthnagar, Uttar Pradesh.

The MoA was signed between PFC and MPTMC in the presence of Mr. R.S. Dhillon, CMD, PFC, Mr. Manoj Sharma, ED In-Charge (Commercial Division), Mr. Rizwanur Rahman, Executive Director (CSR & PR), Dr. Salil Kumar Shrivastava, Principal-MPTMC, Mr. M. Prabhakar Das, Chief General Manager (CSR) and other Senior Officials of MPTMC and PFC.



Mr. R. S. Dhillon, CMD, PFC; Mr. Manoj Sharma, ED In-charge (Commercial Division), Mr. Rizwanur Rahman, Executive Director (CSR & PR), Dr. Salil Kumar Shrivastava, Principal - MPTMC, Mr. M. Prabhakar Das, Chief General Manager (CSR) and other senior officials of PFC and MPTMC after MoU signing.

Located in Uttar Pradesh, Siddharthnagar has approach to 2 national highways i.e. NH 730 and NH 233. Around 4500 accidental cases reach Siddharthnagar Hospital per year out of which 3200 cases are of head and other serious injuries. MPTMC will act as the first point of treatment for most of the accident cases and also act as a first point of referral within a radius of 25 kms of Siddharthnagar.

The establishment of Trauma Centre will also help in bridging the gap arising due to lack of medical equipment and resources which sometimes has led to unfortunate death of critical cases.

NHPC signs Contract agreement with Tata Power Solar Systems Ltd. for EPC contract for development of 300 MW solar project under CPSU scheme Phase-II

NHPC Limited signed Contract Agreement with Tata Power Solar Systems Ltd. for EPC contract for development of 300 MW solar project under CPSU scheme Phase-II recently at NHPC Corporate Office, Faridabad.

The Agreement was signed in the presence of Mr. A.K. Singh, CMD, NHPC and Mr. Ashish Khanna, President, Renewables, Tata Power. Mr. R.P. Goyal, Director (Finance), NHPC and Mr. Biswajit Basu, Director (Projects), NHPC were also present on the occasion along with other senior officers from NHPC and Tata Power Solar Systems Ltd.



Mr. A.K. Singh, CMD, NHPC and Mr. Ashish Khanna, President, Renewables, Tata Power along with Mr. R.P. Goyal, Director (Finance), NHPC and Mr. Biswajit Basu, Director (Projects), NHPC and other senior officers from NHPC and Tata Power during signing of Contract Agreement.

NHPC had awarded EPC Contract for development of grid connected Solar PV projects (1000 MW) and its transmission line for power evacuation to ISTS Sub-station along with Comprehensive O&M for 5 years under Tranche – III of CPSU scheme Phase-II recently to Adani Infra (India) Limited (600 MW in Gujarat), Tata Power Solar Systems (300 MW in Rajasthan) and SSEL – ASR JV (100MW in Andhra Pradesh) with total awarded value of Rs. 6604.42 crore with completion period of 18 Months. ■

Engineers India Limited organizes “URJAALEKH”

Intra Industry Technical Paper Writing Competition under aegis of MoP&NG



Engineers India Limited (EIL) successfully organized a two day Intra-Industry Technical Paper Writing Competition - 'URJAALEKH' under the aegis of MoP&NG, at its Gurugram Complex. In the concluding ceremony, Ms. Vartika Shukla, CMD, EIL awarded the top 3 presenters in each category in the presence of

Mr. A. K. Kalra, Director (HR), EIL. Among the participating organizations were the mix of Maharatna and Navratna Oil and Gas CPSEs namely, BPCL, HPCL, EIL, GAIL, IOCL, OIL and ONGC. The event focused on sharing best practices of Oil & Gas Sector, emerging trends & Innovation in the form of paper presentation under six categories

namely: Operations, Supply Chain Management, Marketing & Sales, HSE & Quality, Finance & Human Resource Management.

Millennials from across the Oil & Gas PSU Industry participated in large numbers and almost 200 abstracts were received out of which after the initial shortlisting, 70 abstracts were sent to Tier-I Jury comprising of SMEs from participating organisations. Thereafter, 30 abstracts were identified for submission of full papers (approx. 5 papers in each category). Presentations on the full papers were made before an eminent jury comprising of Experts from the Industry i.e. former Directors, CMDs of Oil & Gas PSUs and Academia and top three presenters were awarded in each category.

SAIL celebrates fifty years of incorporation with a special logo



Ms. Soma Mondal, Chairman, SAIL along with other senior officials during the launch of new commemorative logo.

Steel Authority of India Limited (SAIL) is celebrating the company's fifty years of incorporation this year in 2022. SAIL was incorporated on 24th January, 1973. SAIL's legacy of fifty years is being celebrated with the launch of a new commemorative logo and will be followed by several events to be held all across the company throughout the year. The design of the commemorative logo retains the

essence of SAIL's company logo while bringing out the spirit of fifty years of journey of this company. The logo was launched by Ms. Soma Mondal, Chairman, SAIL in presence of the Company's directors recently. This feat is a testimony of the company's sustained efforts and initiatives in ensuring better stakeholders' engagement and contribution in nation building over the years.



PSEs CSR Activities

JNU Vice Chancellor expresses intent to collaborate with ONGC for socio-economic transformations in India



(From left to right) Chairperson of the National Commission of Scheduled Tribes, Mr. Harsh Chauhan, JNU Vice Chancellor, Ms. Santishree Dhulipudi Pandit and ONGC, CMD and Director (HR), Dr. Alka Mittal.

“Premier institutes of India such as the Jawaharlal Nehru University (JNU) and the Indian Institute of Technology (IIT) should work hand-in-hand to support the responsible and sustainable initiatives undertaken by corporates like ONGC,” Ms. Santishree Dhulipudi Pandit, Vice Chancellor, JNU, shared during the celebration of CSR Day 2022 at the Oil and Natural Gas Corporation Limited (ONGC) in New Delhi.

Appreciating the Corporate Social Responsibility (CSR) initiatives undertaken by ONGC across the country, Professor Pandit said that more than 2% of Profit-After-Tax (PAT) being spent on the CSR projects is significant to catalyse deep socio-economic transformation in the country.

Chairperson of the National Commission of Scheduled Tribes Mr. Harsh Chauhan appreciated ONGC efforts in CSR. “ONGC presence in community development in remote locations is visible in various parts of our vast country”, he said.

ONGC, CMD, Dr. Alka Mittal said that ONGC is going to institute an employee volunteering program for CSR. “The Graduate Trainees who join the Energy Maharatna will also be exposed to structured training capsules on conceptualizing and delivering appropriate CSR interventions for communities in and around our oil and gas fields.”

The 300-bed multi-speciality hospital in Sivasagar in Upper Assam has been built with support of ONGC CSR with an investment of over 313 crore rupees. The Hon’ble Prime Minister of India Mr. Narendra Modi is slated to formally dedicate this hospital to the nation shortly.

NBCC organised Blood Donation Camp at its Corporate Office

NBCC (India) Limited in association with East West Assist TPA Pvt. Ltd. & Divine Charitable Blood Bank, New Delhi organised Blood Donation Camp at its corporate office. Mr. P. K. Gupta, CMD, NBCC and other senior officials actively participated.



NBCC employees donating blood at the camp.

About 65 employees donated blood during this camp and were issued ‘Certificate of Honour’. NBCC was also presented with ‘Certificate of Appreciation’ by Divine Charitable Blood Centre for its sincere efforts towards the life saving activity of blood donation.

ECIL hands over the Mobile Health Clinic (Hospital on Wheels) – 2 No.'s to Medical Superintendents of Government Fever Hospital, Nallakunta and Government Ayurvedic Hospital, Erragadda

ECIL under its CSR activities for FY 2021-22 had procured and handed over the Mobile Health Clinic (Hospital on Wheels) – 2 No.'s to Medical Superintendents of Government Fever Hospital, Nallakunta and Government Ayurvedic Hospital, Erragadda, Hyderabad recently in the presence of Mr. G. Kishan Reddy, Minister of Tourism, Culture and Development of North Eastern Region of India.



ECIL hands over the Mobile Health Clinic (Hospital on Wheels) – 2 No.'s to Medical Superintendents of Government Fever Hospital, Nallakunta and Government Ayurvedic Hospital, Erragadda, Hyderabad recently in presence of Mr. G. Kishan Reddy, Minister of Tourism, Culture and Development of North Eastern Region of India.

The team of ECIL representatives informed the Minister that based on the request received from Medical Superintendents of both the Hospitals, Mobile Health Clinic (Hospital on Wheels) were provided to bring healthcare services at the doorsteps of the deprived sections of the society and slums where the access to hospital services is very meagre. Also highlighted that ECIL attaches high priority towards CSR activities and committed to operate in an economically, socially and environmentally sustainable manner, while recognizing the interest of its stakeholders. The above projects were taken up with at most care keeping in view of improving the healthcare infrastructure requirements during post COVID-19 pandemic phase.

Minister, Mr. G. Kishan Reddy congratulated ECIL for taking up such innovative CSR activity of providing mobile health clinics which will cater the healthcare needs and cover large number of beneficiaries of

Below Poverty Line people living in slums of the city. ECIL Representatives, Dr. Braja Bandhu Nayak, ED (Corporate Planning & Aerospace), Mr. A. Malviya, GM (HR), Mr. C. Muralidhar, GM (CBDM & Corporate Purchase), Dr. P. Venu Babu (Chief Medical Officer), Mr. Ch. Srinivas (SDGM-Civil), Mr. Bhavani Sankar (DGM-HR), Mr. Sunil Kumar (Personnel Officer), Mr. Bhaskar Reddy (President) and Mr. Vijay Kumar V. M. (Vice President), ECIL Staff and Worker's Union and Mr. Jitendra Kumar Prasad (Vice President) and Mr. Mayank Mehta (Joint Secretary), ECIL Officer's Association participated and made this event successful.

NRL contributes Rs. 2.5 crore to Chief Minister's Relief Fund, Assam

Numaligarh Refinery Limited contributed an amount of Rs. 2.5 crore to the Chief Minister's Relief Fund, Assam to aid the State Government in its relief efforts towards tackling the large scale devastation caused by the ongoing spate of devastating floods that has affected the State.



Mr. Bhaskar Jyoti Phukan, MD, NRL handing over the cheque to Dr. Himanta Biswa Sarma, Chief Minister of Assam in the presence of other senior officials from NRL.

The cheque was formally handed over to Chief Minister of Assam Dr. Himanta Biswa Sarma by MD (I/C), NRL, Mr. Bhaskar Jyoti Phukan, Director (Finance), Mr. Indranil Mittra, NRL Independent Directors, Dr. Sylvanus Lamare and Mr. Sudip Pradhan in the presence of Minister of State, Petroleum and Natural Gas, Mr. Rameshwar Teli at the State Secretariat. This is a token gesture by NRL to help the State machinery in dealing with the magnitude of destruction and damage caused by the floods which has caused loss of precious lives, large scale destruction of property and displacement of lakhs of people from their homes. The Chief Minister appreciated NRL for coming forward with a helping hand in this hour of crisis. ■



NMDC records continuous growth in Production

Continuing on the growth trajectory, mining major NMDC produced 3.2 Million Tonnes (MnT) and sold 2.65 MnT in the second month of FY'23.

Iron ore production in May 2022 was 14.3% higher than the 2.8 MnT produced in May 2021. NMDC's cumulative production upto May 2022 stood at 6.35 MnT, a 7.4% growth from the cumulative production of 5.91 MnT upto



Mr. Sumit Deb, CMD, NMDC

May 2021. NMDC sold 5.77 MnT in FY'23, upto May 2022 this fiscal.

Congratulating his team on this performance, Mr. Sumit Deb, CMD, NMDC said, "Our consistent growth in production has not only made NMDC the fastest growing iron ore mining company in India but also the most consistent supplier to domestic steel sector. We have strengthened our core by welcoming a fleet of new age technology and digital interventions to our business."

REC's subsidiary RECPDCL handed over the 'Rajgarh Transmission Limited', the Project SPV to G R Infraprojects Limited



Mr. R. Lakshmanan, CEO, RECPDCL & Mr. T.S.C. Bosh, Jt. CEO, RECPDCL handing over the SPV to Mr. Siba Narayan Nayak, President (Corporate Affairs and Development) from G R Infraprojects in the presence of other senior officials from RECPDCL and GR Infraproject Limited.

REC Power Development and Consultancy Limited (RECPDCL) handed over

the project specific SPV (Special Purpose Vehicle) formed for construction of Transmission Project viz., 'Transmission system for evacuation of power from RE projects in Rajgarh (2500 MW) SEZ in Madhya Pradesh 'to G R Infraprojects Limited'.

G R Infraprojects Limited has been the successful bidder of the Inter - State Transmission Project of Ministry of Power, GoI and RECPDCL as BPC (Bid Process Coordinator). The SPV was handed over by Mr. R. Lakshmanan, CEO, RECPDCL & Mr. T. S. C. Bosh, Jt. CEO, RECPDCL to Mr. Siba Narayan Nayak, President (Corporate Affairs and Development), from G R

Infraprojects Limited in the presence of other senior officials of RECPDCL and G R Infraprojects Limited. The selection of successful bidder was carried out through Tariff Based Competitive Bidding (TBCB) process for selection of Transmission Developers in line with the Standard Bidding Documents and Guidelines there of as notified by Ministry of Power, Government of India. The work involves establishment of 400/220 kV, 3X500 MVA at Pachora pooling station and 400 kV D/c line from Pachora SEZ PP - Bhopal. The schedule of implementation of the scheme is 18 months from the date of transfer of SPV.

PSEs celebrate Azadi Ka Amrit Mahotsav



SAIL participates in DPE's Azadi Ka Amrit Mahotsav Mega Show

Steel Authority of India Limited (SAIL) participated in an exhibition organized by Department of Public Enterprises (DPE) to commemorate the 'Azadi Ka Amrit Mahotsav' (AKAM) at Mahatma Mandir Convention and Exhibition Centre, Gandhinagar, Gujarat. DPE, with support of CPSEs and SCOPE, is organizing a number of events under AKAM to commemorate the 75 years of India's independence. As a part of the above, one of the major events as an exhibition on 'Nation Building and CPSEs', where 75 Central Public Sector Enterprises from various sectors participated, including SAIL and they showcased their contribution in building today's India. The exhibition was inaugurated by Mr. Bhupendrabhai Patel, Chief Minister of Gujarat and Mrs. Nirmala Sitharaman, Union Minister of Finance & Corporate Affairs. Ms. Soma Mondal, Chairman, SAIL and Chairperson, SCOPE was also present during the occasion.



Inauguration of the exhibition & convention.

SAIL had put up a stall in the above exhibition where it displayed the Company's contribution in nation building since its inception. In the stall put up by SAIL, the Company has also talked about its diverse product range, catering to various significant sectors of the economy. SAIL is actively participating in the 'Janandolan' of commemorating AKAM and is committed to make the initiative a success.

Finance Minister inaugurates BEL Mini Smart Colony

Union Finance Minister, Mrs. Nirmala Sitharaman, virtually inaugurated BEL's Mini Smart Colony at BEL- Bangalore Complex, Jalahalli, Bangalore in the presence of Mr. Dinesh Kumar Batra, Director (Finance) & CFO, and Mr. Shrikant Walgad, IAS, Chief Vigilance Officer. The project has been completed under the guidance of Ms. Anandi Ramalingam, CMD, and Mr. Vinay Kumar Katyal,



Senior officers of BEL pose in front of the BEL Mini Smart Colony Integrated Command and Control Centre (ICCC) with Mr. Dinesh Kumar Batra, Director (Finance) & CFO, and Mr. Shrikant Walgad, IAS, Chief Vigilance Officer.



Union Finance Minister, Mrs. Nirmala Sitharaman, virtually inaugurating BEL's Mini Smart Colony at BEL-Bangalore Complex, Jalahalli, Bangalore.

Director (Bangalore Complex). This is part of the Azadi Ka Amrit Mahotsav celebrations being coordinated by Department of Public Enterprises (DPE) in association with the Standing Conference of Public Enterprises (SCOPE) as part of the overall campaign of the Ministry of Finance.



BEL's Homeland Security & Smart cities SBU along with the Software SBU, Engineering Services and Human Resources teams worked jointly to make BEL's Smart Colony a reality.

NMDC Exhibition at DPE's Azadi Ka Amrit Mahotsav Mega Show



NMDC participated in the Department of Public Enterprises (DPE) Exhibition to celebrate the ongoing Azadi Ka Amrit Mahotsav (AKAM) at Mahatma Mandir Convention and Exhibition Center, Gandhinagar, Gujarat. Mrs. Nirmala Sitharaman, Union Minister of Finance & Corporate Affairs and Mr. Bhupendrabhai Patel, Chief Minister of Gujarat inaugurated the exhibition on 'Nation Building and CPSEs' where 75 CPSEs including NMDC showcased their achievements towards nation building.

The NMDC pavilion was inaugurated by the company's Director (Finance), Mr. Amitava Mukherjee. The stall was a display of NMDC's major achievements of 42 million tonnes iron ore production, the company's transformational digital journey, and investment in building the social capital of its host communities. In the honour of 75 years of independence, NMDC is organizing activities and campaigns to engage people in celebrating Azadi ka Amrit Mahotsav as a Jan-Utsav in the spirit of Jan-Bhagidari.

Congratulating team NMDC for its excellent display at the exhibition, Mr. Amitava Mukherjee said, "NMDC's endeavor to build a robust digital infrastructure is in line with the motive of the Finance Ministry's Iconic Week. Our lighthouse digital initiative will boost production, ensure mineral security, and is a tribute to India@75."

Speaking on the occasion, Mr. Sumit Deb, CMD, NMDC said "CPSEs have played a pivotal role in the growth story of our nation and this iconic Azadi Ka Amrit Mahotsav celebration is befitting. NMDC is devoted to building a self-reliant and steel solid future for India. It is a moment of pride for us to be a part of this mega show."

Finance Minister interacts with HAL CEO at AKAM Exhibition in Gandhinagar



Mrs. Nirmala Sitharaman, Union Minister for Finance and Corporate Affairs and Mr. Bhupendrabhai Patel, Chief Minister of Gujarat interacted with HAL CEO (MiG Complex), Mr D. Maiti, at the AKAM (India@75) Exhibition of PSUs held at Gandhinagar. HAL showcased its contribution for progress of the nation by putting up a stall. Models of HAL aircraft, products and films on several themes such as HAL's capabilities, Make-in-India, CSR etc. drew the crowd.

Mr. Ali Raza Rizvi, Secretary, DPE, delivered the key - note address at the RoundTable of CEOs of CPSEs on the theme 'Role of CPSEs for Self- Reliant India'.

Union Finance Minister and Chief Minister of Gujarat visit BHEL pavilion at AKAM Mega Show

Union Minister of Finance and Corporate Affairs, Mrs. Nirmala Sitharaman and Chief Minister of Gujarat, Mr. Bhupendrabhai Patel, visited the BHEL pavilion and interacted with CMD, BHEL, Dr. Nalin Shinghal at the AKAM Mega Show - Exhibition: Nation Building & CPSEs.

Dr. Shinghal briefed the dignitaries about BHEL's



long term focus areas and emerging technologies that the company is working on. The Finance Minister congratulated BHEL for its role in Nation Building and the CM assured full support to BHEL for expansion of business opportunities and current projects in the state of Gujarat.

GAIL celebrates 'Azadi Ka Amrit Mahotsav' by holding plantation drives

As part of the 'Azadi ka Amrit Mahotsav' (AKAM) celebrations, GAIL (India) Limited participated in a mega plantation drive carried out by Central Public Sector Enterprises across the country.



With the aim of raising awareness about the importance of living in harmony with nature, GAIL carried out plantation drives at its Pata and Vijaipur townships as well as other locations. As part of this, 2,500 plants were planted in Pata (Uttar Pradesh) and 1,600 across Vijaipur township areas (Madhya Pradesh) alone. Mr. Manoj Jain, CMD, GAIL and Mr. Deepak Gupta, Director (Projects), GAIL were also present on the occasion in the enthusiastic participation of GAIL employees in the plantation drive at Vijaipur to commemorate AKAM.

Banners and communications were also displayed at prominent locations in these places to create awareness among the employees and other stakeholders. Plants were distributed to all employees across GAIL offices during World Environment Day. The CPSEs are planting 75,000 saplings across locations such as their townships, residential colonies, offices, production units, etc. as part of the AKAM drive.

'Bijli Utsav' organized by REC in Himachal Pradesh as part of Azadi Ka Amrit Mahotsav



As part of 'Azadi Ka Amrit Mahotsav' – to celebrate 75 years of Independence, REC Limited organized a 'Bijli Utsav' in Dadogi village of Solan district and adjoining villages in Himachal Pradesh. Mr. Govind Ram Sharma, ex-MLA Arki, Ms. Kanta Devi, Pradhan, Dadogi Village, Mr. M. S. Guleria, SE Solan, HPSEBL and Mr. Ranjit Ranjan, CPM, REC Shimla graced the event with their presence.

The event witnessed speaker sessions by dignitaries and esteemed guests highlighting the benefits of electricity, the challenges faced during electrification in remote areas and how the quality of life improved with access to power. Beneficiaries from the villages were also invited on stage to share their experience and views on how electricity has transformed their lives.

To engage with the villagers and children, various cultural programs such as Folk Dance and Lok Gayan were held to spread awareness about the usage of electricity, billing, energy efficiency etc. and a quiz on various Government programmes was also



conducted to impart knowledge to the public. The event concluded with the distribution of LED bulbs as prizes to the winners of the competitions.

Given the large gathering, it was ensured that all COVID safety protocols such as social distancing and wearing of masks were adhered to. In addition, masks were also distributed to all the attendees.

HPCL plants more than 15000 Saplings & Trees to celebrate Azadi Ka Amrit Mahotsav



In a nationwide campaign towards a sustainable greener planet, HPCL planted more than 15000 saplings and trees during the iconic week celebrations of Azadi Ka Amrit Mahotsav.

A nationwide campaign was launched on World Environment Day by HPCL. On this occasion, Director Finance & Director HR (addl. charge), Mr. Rajneesh Narang along with EDs & Senior officials planted saplings at HP Nagar East and West Colonies of Mumbai. The campaign was launched as part of the Iconic week of Department of Public Enterprises, Ministry of Finance, Govt. of India.

The campaign was taken forward enthusiastically by SBUs and Departments across the length and breadth of the Country through plantation of more

than 15000 saplings and trees against an earlier commitment of 4000 saplings and trees. This was committed so that CPSEs together may plant more than 75000 saplings & trees during the iconic week.

IRFC holds plantation drive to celebrate Azadi Ka Amrit Mahotsav



As part of Azadi Ka Amrit Mahotsav celebrations, Indian Railway Finance Corporation Ltd. organised a plantation drive at its office premises in New Delhi.

During the plantation drive, more than 10 saplings were planted by the officers of IRFC with a pledge to properly nurture the saplings till they grow into full-fledged trees.

Pertinent to mention that as part of the India@75 celebrations, various CPSEs planted 75,000 saplings across the country during the iconic week to help building a more equitable and sustainable future for the country.

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 post a year on 15th August, 2023. ■

On the eve of World Environment Day, NTPC reinforces its commitment towards Environment through Plantations and Awareness Drives

NTPC Ltd. is celebrating World Environment Day across locations by reinforcing the theme of this year – #OnlyOneEarth through several programmes including plantations, pledge taking ceremony, and awareness drives.

As part of the Azadi Ka Amrit Mahotsav (AKAM), NTPC is undertaking several sustainable initiatives like the inauguration of Smart Township at Solapur, Maharashtra. During the CPSE ICONIC Week celebrations, NTPC is also organizing a massive tree plantation drive at its various power stations.

In an endeavour to deliver sustainable and affordable energy, NTPC has declared Energy Compact Goals at the UN and become the first energy company in the world to do so. On the eve of World Environment Day, NTPC is reinforcing its commitment towards environment.

Even though the power major has been actively exploring opportunities in green hydrogen, carbon capture, battery storage, electric mobility and waste-to-energy space, NTPC Green Energy Limited (NGEL) has been incorporated to drive clean energy initiatives of the company through a focused approach. By 2032, the company intends to have 60 GW capacity under its belt through Renewable Energy (RE) sources.



In line with National Water Mission, NTPC has been committed to the optimization of water footprint through sustainable usage including its re-use through efficient Operations and Maintenance by conservation techniques like rainwater harvesting at all its establishments. Reinforcing its unwavering commitment, NTPC has signed the CEO Water Mandate, which is a highly collaborative partnership between UNGC and specialized organizations dealing with water issues.

NTPC's Girl Empowerment Mission instills life skills in young girls; provides safety training and teaches importance of physical and mental health

Under the ongoing NTPC Girl Empowerment Mission 2022, 120 young girls are participating in different sessions for improving their skills at NTPC Dadri. They

are being provided training on different subjects and are being engaged in extracurricular activities such as outdoor games etc. The girls are showing great enthusiasm for learning and acquiring skills.

NTPC's flagship CSR initiative, Girl Empowerment Mission (GEM), has reached new heights of success in helping young girls to realise their goals.

To educate the young girls about the importance of safety, the CISF department conducted an emergency mock drill for the young girls and also provided training on safety preparedness during an unforeseen emergency.



GEM programme has empowered girls from across the country and made them aware of basic education, health and self-defence. With this initiative, NTPC aims to help these girls break the glass ceiling and dispel the misconception about female foeticide in rural areas. The initiative has created a space for the children to showcase their talents and capabilities.



Awards & Accolades to PSEs

NLC India Limited CMD conferred with two eminent Awards

CMD of NLC India Limited, Mr. Rakesh Kumar was conferred with the “Top Rankers Excellence - CEO of the year Award” and “CEO Leadership Excellence Award” by the “Top Rankers Management Club” at a glittering ceremony held at Hotel Le-Meridien, New Delhi. The “Top Rankers Management Club” is a well-known, reputed organization in Human Resource Services. The organization has been conducting a National Management Summit for the past 21 years. The 22nd National Management Summit held recently at New Delhi on the theme “Re-imagining People, Technology and Culture in the Future of Work.”



Mr. Rakesh Kumar, CMD, NLCIL receiving “CEO of the YEAR Award” from Mr. Bishweshwar Prasad Singh, Former Justice, Supreme Court of India in the presence of Mr. Arun Bajoria, President & Director – JK Tyre & Industries Ltd., during the 22nd National Management Summit held in New Delhi.

Mr. Rakesh Kumar, CMD, NLCIL, was chosen for the award in the category of Public Sector for his extraordinary leadership, vision and commitment besides enhancing organizational effectiveness at NLC India Limited. Mr. Bishweshwar Prasad Singh, Former Justice, Supreme Court of India and the Chief Guest of the function handed over the Award to Mr. Rakesh Kumar. The CEO Leadership Excellence Award was granted to Mr. Rakesh Kumar in recognition of his determined and motivated leadership style and his ability to strategize – plan and execute works at NLCIL, both to ensure the company’s sustained growth orientation and to help achieve the “Aatmanirbhar Bharat” vision of the Prime Minister of India.

EESL wins ‘Green Brand of The Year’ Award at the IAA Olive Crown Awards 2022



Energy Efficiency Services Limited (EESL) won the ‘Green Brand of the Year’ title at the Olive Crown Award 2022, organised under the India Chapter of the International Advertising Association (IC-IAA). EESL has been conferred the award for ‘Now or Never’ campaign, which was aimed at encouraging people to transition to sustainable and energy efficient practices, and increase awareness about EESL’s programmes and offerings under the energy efficiency domain. Gracing the event with his presence was Mr. Aaditya Thackeray, Minister for Environment and Tourism, Govt. of Maharashtra, who was also the Chief Guest for the event.

Mr. Arun Kumar Mishra, CEO, EESL, said “We are honored to win this recognition for our energy efficiency initiatives. We firmly believe it’s ‘Now Or Never’ to actively work towards the transition to clean energy. The campaign is representative of the urgency of transition to sustainable and energy efficient lifestyle.”

Mr. Animesh Mishra, CGM, EESL said, “Winning the Green Brand of the Year title is symbolic of our dedication and commitment to lead India towards a sustainable and energy secure future. It gives me immense pleasure to be a part of India’s journey towards sustainable practices. EESL is committed towards bringing a positive transformation in the energy consumption habits of people in India.”

GRSE achieves Rare Feat by Laying Keels of Three Ships Concurrently



Garden Reach Shipbuilders and Engineers (GRSE) Ltd. achieved a rare feat by laying the keels of three vessels together. While Yard 3028 is the fourth and last in the series of Sandhayak Class Survey Vessel (Large), Yards 3030 and 3031 are the third and fourth in a series of eight Anti-Submarine Warfare (ASW) Shallow Water Craft being built by GRSE for the Indian Navy. Vice Admiral S. N. Ghormade, Vice Chief of Naval Staff, PVSM, AVSM, NM, ADC was the chief guest at the occasion.

Vice Admiral Ghormade, was happy to note that this is the first time ever that the keel laying is being undertaken for three Indian

Navy Warships concurrently. This proves enhanced production capabilities of our shipyards and reassures the nation that we are on right path of 'Aatmanirbharta'. He also congratulated GRSE for collaborating with M/s L&T in a Public Private Partnership (PPP) which will pave the way towards enhanced warship construction capabilities of the nation in times to come.

Speaking at the occasion, Cmde P. R. Hari, IN (retd), CMD, GRSE, talked about how the premier defence shipyard is gearing up to meet the challenge and deliver state-of-the-art ships, with very high indigenous content, to the Indian Navy and Indian Coast

Guard. He spoke about how GRSE is leveraging own technical expertise in 'Warship Design' and 'Supply Chain Management' coupled with the spare capacity of capable private partner shipyards to simultaneously work on 23 platforms. GRSE is constantly evolving through adoption of latest technology and keeping abreast with modern shipbuilding methods. The shipyard has been successful in bagging orders by participating in competitive bidding and shall continue to meet the demands of the Indian Navy and Indian Coast Guard by designing and building state-of-the-art future ready platforms.



PSEs celebrate International Yoga Day

POWERGRID

Power Grid Corporation of India Limited (POWERGRID) celebrated the 8th International Day of Yoga-2022, with fervour and enthusiasm at Rakhigarhi, Hisar, Haryana. Hundreds of students and local public participated in this mega effort of practicing Yoga together in the presence of Chief Guest, Mr. Krishan Pal Gurjar, Minister of State for Power & Heavy Industries, Govt. of India apart from Mr. Jaideep Arya, Chairman, Haryana Yoga Commission, Dr. Priyanka Soni, Deputy Commissioner, Hisar, Haryana, Mr. Vikas Yadav, SDM, Narnaund and Mr. V. K. Singh, Director (Personnel), POWERGRID.



Mr. Krishan Pal Gurjar, Minister of State for Power & Heavy Industries, Govt. of India and other senior officials of POWERGRID during the International Yoga Day Celebrations.

Rakhigarhi is one of the 75 iconic sites selected by Government of India for conducting mass yoga session as part of the Azadi Ka Amrit Mahotsav. During the event, the address by Hon'ble Prime Minister, Mr. Narendra Modi was telecasted live through LED screen among the populace. Speaking on this occasion, Mr. Krishna Pal Gurjar said that Yoga is an important part of our lives and commended the initiative of spreading the message of Yoga among masses. The event witnessed participation of large gathering of students from different schools of Rakhigarhi, Hisar. Mr. A. K. Mishra, ED, NR-I, POWERGRID, Mr. L. S. Negi, CGM (HR), Mr. R. P. Sinha, Sr. GM, HR and other senior dignitaries were also present during the event.

IRFC

Indian Railway Finance Corporation Ltd. (IRFC) celebrated 8th International Day of Yoga in New

Delhi. The officials and staff of IRFC gathered early in the morning at its office premises to perform Yoga Asanas being guided by trained Yoga Instructor, Ms. Himani.



Officials of IRFC performing Yoga at its office premises in New Delhi.

The theme of this year's International Day of Yoga is "Yoga for Humanity." The theme appropriately portrays how during the peak of COVID-19 pandemic, Yoga served the humanity in alleviating their sufferings and build resilience among the people world over. Mr. Amitabh Banerjee, CMD, IRFC asked the officials and staff of IRFC to make Yoga an integral part of their lives to enhance their performance and lead a productive life.

IREDA

Indian Renewable Energy Development Agency Ltd. (IREDA) celebrated the 8th International Day of Yoga at (IDY -2022) at its Registered Office at Indian Habitat Centre, New Delhi. Under the supervision of a professional Yogacharya, employees of the company and their families performed yoga asanas. The Yoga Day event was live streamed from New Delhi to across all offices of IREDA.

Mr. Pradip Kumar Das, CMD (IREDA), addressed the audience and emphasised the importance of yoga in our daily lives. He also underlined the importance of incorporating yoga into daily routine in order to have a healthy and disciplined personal and professional life. Further, he emphasized that, the well-being of our employees is a foremost priority for us and practising Yoga and meditation on a regular basis by IREDANs reinforces our belief in 'Wellness and Welfare Along with Business.'

The Hon'ble Prime Minister, Mr. Narendra Modi,



Mr. Pradip Kumar Das, CMD, IREDA addressing the audience during International Yoga Day Celebrations.

introduced the concept of International Yoga Day on September 27, 2014, during his speech to the United Nations General Assembly, recalled CMD, IREDA. He highlighted that IREDA is perhaps the only PSU, where daily meditation is a part of official activities for all the employees.

IREDANs have also practised meditation under the supervision of Mr. Shubh Chintak Kishore, a renowned Chartered Accountant and Yoga practitioner who has been practising for over 57 years. He also advised IREDANs on how to include Yoga and meditation into their everyday routines. Further, Mr. Kishore taught techniques of 'Sahaj Marg' (natural and easy path) meditation, which helps people discover peace and inner calm, he added.

Mr. Chintan Shah, Director (Technical), IREDA, in his address, also urged IREDANs to make Yoga and Meditation a part of their daily life.

NALCO

National Aluminium Company Limited (NALCO) joined the nation in observing the 8th edition of International Day of Yoga. Employees along with their family members, School students, Teachers and CISF personnel across the operating units and regional offices of the company took part in the exclusive Yoga sessions organized on the occasion and participated in the Common Yoga Protocol, apart from witnessing the live telecast of the International Day of Yoga celebrations from Mysuru, led by Hon'ble Prime Minister.

To commemorate the 75 years of India's Independence under Azadi Ka Amrit Mahotsav, the International Day of Yoga was also observed at the Corporate headquarters, here at Bhubaneswar with a special morning Yoga session. Led by Mr. Sridhar Patra, CMD, NALCO, Directors of the company, senior officials, employees and their family members, officials of Geological Survey of India and Indian

Bureau of Mines participated in the exclusive Yoga session that was facilitated with Yoga instructors from Sri Sri University. A large number of school students and members of NALCO Mahila Samiti also actively participated in the event and practised the basic yoga postures.



Mr. Sridhar Patra, CMD, NALCO practising yoga along with other senior officials and their family members.

Speaking on the sidelines of the event, Mr. Sridhar Patra said that health is the most important asset and by embracing yoga, one can ensure physical and mental well-being. Yoga is an invaluable gift of our Country to the outside world and it symbolizes the unity of mind and body, he said. Mr. Patra urged the younger generation to adopt yoga for a healthier life. "During the COVID 19 pandemic, we have all realized the importance of physical activities. Yoga not only helps in developing emotional intelligence but also acts as a catalyst for higher creativity, working efficiency, flexibility and focus," added Mr. Patra.

Balmer Lawrie



The International Day of Yoga was observed and celebrated across all the units and establishments of Balmer Lawrie. A session on 'Benefits of Yoga & Meditation' was organised for the employees. Employees also participated in the slogan and poster competitions organised on the occasion. ■



SAARTHI: POSOCO Employee Well-being Drive

Employee well-being is an important part of a healthy working environment and organisation. Organisations that promote wellbeing make it easier for employees to manage stress levels while also maintaining a positive and productive environment. Wellness is the complete integration of body, mind, and spirit. Each tiny move towards wellness can send ripples of positivity through our families, communities and organisation. POSOCO being a knowledge based organisation, focuses on total development and well-being of each of its member.

As an effort in this direction, POSOCO launched “SAARTHI”, a 5 week Well-being drive recently, first of its kind program taking into account the physical, mental, emotional and spiritual aspects of well-being of its employees and their families through series of interactive sessions, activities, challenges, quiz etc. Services of an In-house well-being counsellor has also been provided to employees under the drive. The Drive has been a huge success and was appreciated by Employees and their families from all corners of POSOCO.

Operationalization of National Open Access Registry (NOAR)

National Open Access Registry (NOAR) has successfully gone live from 1st May, 2022. NOAR



has been designed as an integrated single window electronic platform accessible to all stakeholders including open access participants, traders, power exchanges, national/regional/state load despatch centres for electronic processing of short-term open access application thereby automating the administration of the short-term open access in inter-state transmission system.

The NOAR platform shall act as a repository of information related to short term open access in inter-state transmission including standing clearance issued by RLDCs or SLDCs and short-term open access granted to the open access customers etc. and make such information available to the stakeholders online. Payment gateway provided for making payments and integrated with NOAR shall facilitate financial accounting and tracking of short-

term open access transactions. National Load Despatch Centre (NLDC) operated by Power System Operation Corporation Limited (POSOCO) has been designated as the nodal agency for implementation and operation of NOAR. NOAR would be the key to facilitate faster electricity markets and enable integration of Renewable Energy (RE) resources into the grid. NOAR will enable seamless market participation by the open access consumer with easier and faster access to the short-term electricity market, comprising of about 10% of all India demand.

NOAR is part of the Ministry of Power, Government of India's initiative and the required regulatory framework has been notified by the Hon'ble CERC through operationalization of the 5th Amendment Regulation of Open Access in inter- State Transmission.



NCL's Mega Summer Camp 'Aarohan'

Shaping the skills of 3200 Children in multiple Sports and creative fields



Northern Coalfields Limited is not only committed to cater the growing energy demand of the nation but also nurturing and honing the skills of children in multi-dimensional fields through one of its kinds of Mega Summer Camp 'Aarohan'.

Imbibing the quote 'Care your employees and stakeholders, They will care for the organization', NCL is conducting the Camp 'Aarohan' with more than 3200 children of NCL Employees and local stakeholders.

The kids are learning a new set of skills beyond academics in an innovative way and utilizing the summer vacation in the utmost productive manner in the Camp.

The free-of-cost summer camp of NCL is engaging children for holistic development in multiple sports and creative fields like badminton, athletics, table tennis, kabaddi, football, cricket, dance, music (vocal & instrumental), painting, lawn tennis, photography, journalism, skating, swimming, basketball

and karate. The camp is open for kids with age up to 18 years and is being run under the supervision of about 100 qualified trainers. Nutritious food is also provided to each participant during the camp. NCL has organized this mega camp for the third time in the remote part of the country and can be termed as unique in nature by any corporate or PSU across the nation. The 2022 edition of the camp commenced on 15th May scheduled till 26th June 2022, the zeal and enthusiasm could be witnessed at all camp sites each morning.

The summer camp 'Aarohan' is ensuring constructive activities, which are better for children's physical, mental and spiritual development. Besides this, The trainers in the camps are making children aware of the career opportunities available in the field of sports and other creative activities. Some of the participants from the previous camps are doing quite well in the field of sports and looking forward to a bright career.

Contd... from 60

MDL has recorded the highest ever turnover of Rs 5605 crore (provisional & unaudited) reflecting a growth of 38.5% over the last financial year. Being a labour intensive industry, the COVID-19 pandemic had posed an unprecedented challenge for the operations of the Shipyard.

Despite all odds MDL have delivered three (03) defence platforms (2 Scorpene Submarines & 1 Missile guided Destroyer) in a single calendar year of 2021 which is a remarkable feat by any measure. In FY 2021-22 MDL has declared an interim dividend of Rs. 7.10 per equity share of Rs. 10

each against Rs. 5.41 per equity share in FY 2020-21 (total dividend paid for FY 2020-21 Rs.7.24 per equity share). Final dividend for FY 2021-22, if any, shall be declared post finalization of annual accounts. MDL is a zero-debt company with a consistent profit track record.

Union Ministers witness demonstration of IndianOil's Surya Nutan indoor solar cooking system



In pursuance to the challenge and inspiration given by Hon'ble Prime Minister in his address to the officials of Ministry of Petroleum & Natural Gas on 25th September, 2017 to develop a viable solar solution to power our kitchens, IndianOil and Ministry of Petroleum & Natural Gas have developed an indigenous Solar cook top "Surya Nutan".

Surya Nutan was demonstrated recently at the residence of Union Minister of Petroleum & Natural Gas and Housing & Urban Affairs Mr. Hardeep Puri, in the presence of Union Minister of Rural Development and Panchayati Raj Mr. Giriraj Singh; Minister of State for Commerce & Industry, Mr. Som Prakash; MoS for Housing & Urban Affairs, Mr. Kaushal Kishore; Minister of Finance and Parliamentary Affairs of Uttar Pradesh, Mr. Suresh Khanna; Chairman IndianOil Mr. Shrikant Madhav Vaidya; and IndianOil's Director (R&D), Dr. S. S. V. Ramakumar, senior officials and prominent members of the media fraternity. Food cooked on Surya Nutan solar cook top was served to the guests.

Salient Features

- Surya Nutan is a Stationary,

rechargeable and always kitchen-connected indoor solar cooking.

- This is a patented product designed and developed by IndianOil R&D Centre, Faridabad.
- It offers online cooking mode while charging through the Sun which maximizes the system efficiency and ensures high utilization of energy from Sun.
- It works on a Hybrid Mode (i.e. can work on both solar & auxiliary energy source simultaneously) which makes the Surya Nutan a reliable cooking solution for all weather conditions.
- Insulation design of Surya Nutan minimizes radiative and conductive heat losses.
- Surya Nutan is available in three different models: The premium model (Breakfast+Lunch+Dinner) of Surya Nutan can cook all the meals for family of four.
- Initially, cost of the product is around Rs. 12,000 for base model, and Rs. 23,000 for Top Model. However, the cost is expected to reduce substantially with economies of scale. At a price of Rs. 12,000-14,000/- for Top Model, assuming annual

consumption of 6-8 LPG cylinders, this product can pay back the buyer in first 1-2 years itself.

- Surya Nutan can be used in all weather and seasons including when the Sun is not available for long durations or for continuous days, such as monsoons and extreme winters.
- All the safety aspects required in any indoor appliances are in-built in Surya Nutan.
- Surya Nutan is a low maintenance system and the product has a long life.
- Surya Nutan is a modular system and can be designed in different sizes as per the requirement.
- With the above features, *"Aatmanirbhar hote Bharat ki Nayi Udaan Surya Nutan banega Kitchen ki Nayi Pehchan"*

Surya Nutan has the potential to transform our energy security situation, as India currently imports 50% of its LPG requirements. It also reduces India's CO₂ emissions drastically and keeps our citizens insulated from the vagaries of the high international fossil fuel prices.

'Surya Nutan' follows series of other steps being taken by the Ministry of Petroleum & Natural Gas in the current global energy crisis, including increasing ethanol blending to 20%, increasing procurement price of Compressed Bio-Gas under SATAT Scheme from Rs. 45/kg to Rs. 54/kg, drastically increasing the area under Exploration and Production to 15% of geographical area from current 7-8% and aggressively pursuing Green Hydrogen Mission in our refineries.



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THE HEARTBEAT OF
EVERY ENGINE**

SERVO RANGE OF LUBRICANTS



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WE CELEBRATE
THE LEGACY AS SERVO
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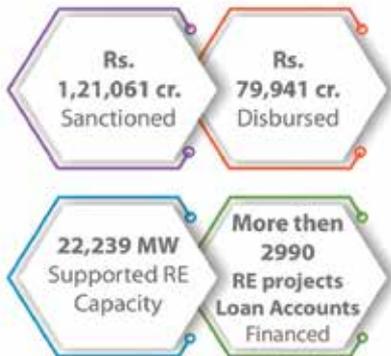
Indian Renewable Energy Development Agency Ltd.
(A Govt. of India Enterprise)



"India will fulfil 50% of its energy requirements from Renewable Energy sources by 2030"

-Hon'ble Prime Minister, Shri Narendra Modi at CoP 26

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