



KALEIDO SCOPE

STANDING CONFERENCE OF PUBLIC ENTERPRISES



SCOPE Webinar on Myths & Realities of COVID

SCOPE observes International Yoga Day



SCOPE's Green Initiative

SCOPE part of Indian tripartite delegation at International Labour Conference of ILO



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 30.6 Million Tonnes of lignite Per Annum and generating 4640 MW of Thermal power including its subsidiaries. NLCIL has big dreams to become a 21000+ MW company by 2025. It has plans to enhance its lignite and coal mining capacity to 121.15 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 4251 MW of renewable energy projects in Tamilnadu and various states. Presently, the Company has a total renewable energy capacity of 1421.06 MW which includes 1370.06 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.
- * 141.06 MW Solar Power Projects (SPP) including Roof top solar project at Neyveli at a cost of Rs.782.24 crore .
- * 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 at Rs.1.16 crore.
- * 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.
- * A 10 MW Solar Power Project in Neyveli, under Mini Smart City Scheme is on the anvil.
- * 51 MW (34 x 1.5 MW) Wind Power Project at Tirunelveli District in Tamilnadu at a cost of Rs.347.14 crore.
- * The company has also planned to install wind power project of 200 MW in other parts of Tamilnadu.



NLC India Limited

'Navratna' - Government of India Enterprise
 Regd. Office : No.135, E.V.R. Periyar High Road, Kilpauk, Chennai - 600 010.
CORPORATE OFFICE : BLOCK-1, NEYVELI-607 801, TAMIL NADU.
 Website: www.nlcindia.com



Contents

Message by Chairperson 05

Director General's Desk..... 07

SCOPE News

SCOPE Webinar on Myths & Realities of COVID..... 09

SCOPE observes International Yoga Day..... 10

SCOPE part of Indian tripartite delegation at International 11
Labour Conference of ILO

SCOPE's Green Initiative..... 12

International Labour Organisation (ILO), Geneva highlights SCOPE's
efforts towards TIKA Utsav - countrywide vaccination campaign 12

SCOPE Video encapsulating PSEs at Service of the Nation 13
(SCOPE Series on PSEs Initiatives during COVID's
Second Wave – 2nd in Series)

SCOPE Environment Day film elucidating its commitment..... 13
towards Greener tomorrow

KALEIDOSCOPE Celebrates 40 years in print..... 14

Be Innovative, Succinct & Creative – DG, SCOPE..... 15
advises CC Professionals

SCOPE in Media..... 16

Comments/Feedback 18

@PSUSCOPE Tweet by SCOPE Saluting Relentless Efforts 20
of Public Sector Employees

Articles

Branding in A Crisis..... 21
by *Gagan Chaturvedi*

Lessons Learnt from the 2nd Wave of COVID-19 24
and Strengthening our Preparedness for the 3rd Wave
by *Dr. Sandeep Sharma*

Strategic Approach to Modern Organization In Petroleum Industry:. 27
by *Sandeep*

Contents

Yoga: A Miracle for Healthy Heart and World Peace	30
by <i>Dr. H. K. Chopra</i>	
PSE News	39
Personalia	50

Our Email IDs have changed to:

DG Sectt.

scopedg@scopeonline.in

Programme & Studies

ca@scopeonline.in

Corporate Communications

pr@scopeonline.in

Technical

mmo@scopeonline.in

Finance

finance@scopeonline.in

SCOPE Forum for Conciliation and Arbitration (SFCA)

sfca@scopeonline.in

General Queries

info@scopeonline.in

KALEIDO SCOPE
STANDING CONFERENCE OF PUBLIC ENTERPRISES

ADVISORY BOARD

Atul Sobti
Director General, SCOPE

Shubh Ratna
GM (Tech & HR)

CHIEF EDITOR
Director General

EDITOR & PUBLISHER
Shubh Ratna

ASST. EDITOR
Lipi Singh

Total Pages : 56

Annual Subscription: Rs. 500/-

Price per copy : Rs. 50/-

(Payment may be sent by DD/Cheque drawn in favour of
"Standing Conference of Public Enterprises")

Material published in KALEIDOSCOPE may be reproduced
with prior permission of the Editor and with acknowledgment
in the accepted style. The views expressed in various
articles are that of the authors and not necessarily of SCOPE
Management. - Editor

Published and printed at New Delhi by
Shubh Ratna on behalf of Standing Conference of Public
Enterprises, Core 8, 1st Floor, SCOPE Complex, 7 Lodhi Road,
New Delhi-110003 • Tel.: 24361495, Fax: 24361371
E-mail: pr@scopeonline.in
at Rave Scan (P) Limited, A-27, Naraina Industrial Area,
Phase-II, New Delhi - 110028

Designed by Akar Advertising & Marketing (P) Ltd.
Tel: 011-43700100

Message by CHAIRPERSON



Recuperating from the aftermath of the second wave of COVID, several measures are being taken across the world to curb the onset of the third wave by creating necessary infrastructure, facilities as well as a thrust on preventive measures.

At the recent virtually held first session of the 109th International Labour Conference of International Labour Organization (ILO), SCOPE participated as part of Indian tripartite delegation constituted by Government of India where the impact of COVID-19 was discussed. The “Global Call to Action for a Human-Centred Recovery” as decided at this Conference outlines ensuring that economic and social recovery from the crisis is “fully inclusive, sustainable and resilient.”

SCOPE was one of the pioneering organisations to hold workplace vaccination camp, partaking in the ‘Tika Utsav’ (National Vaccination Drive) which was appreciated by ILO, Geneva. In this phase of the national vaccination campaign PSEs are once again holding mass vaccination camps and facilitating transport of cold storage equipment in far flung areas.

In the present scenario where health is one of the biggest challenges faced by individuals as well

as organisations, SCOPE continues to organise symposiums to inform and educate PSE employees, contract labour and citizens at large on well-being, especially with respect to the impact of post-COVID syndrome, to instil positivity and create awareness on ways to tackle issues in these perilous times.

The collective strength of PSEs is expected to contribute significantly in rebooting the economy through enhanced capital outlays. It is hence incumbent on PSEs to make up the capital expenditure shortfall in Q1, owing to the impact of second wave in April-May this year, in the coming quarters through focussed efforts.

SCOPE continues to highlight the efforts of PSEs and undertake activities for the capacity building in PSEs. In this direction SCOPE has collaborated with ILO, Geneva to undertake a unique study to understand the impact, effectiveness and challenges of Work from Home. The report titled ‘Impact of WfH on Women Executives and Managers in PSEs in India’ has been prepared after detailed surveys and interviews of PSE employees.

Various Committees of Directors have been formed on the focus areas of SCOPE with whose expertise, guidance and support we look forward to strengthen and progress in all spheres while enhancing learning and professional skills of people.

As always, we look forward to your feedback and suggestions to create a more conducive environment for PSEs to be globally competitive. I believe - together we can and we will chart out a vibrant future for PSEs with our concerted efforts.



Soma Mondal
Chairperson, SCOPE

SCOPE

cordially invites you to the

**Launch of SCOPE - ILO Report on
Impact of WfH on
Women Executives and Managers
in PSEs in India**

Ms. Anuradha Prasad

Special Secretary, Ministry of Labour & Employment, Govt. of India

Ms. Dagmar Walter

Director, ILO Decent Work Team for South Asia and Country Office
for India And senior officials of MoLE and ILO, Geneva & India

Ms. Soma Mondal

Chairman, SAIL & Chairperson, SCOPE

Mr. Atul Sobti

Director General, SCOPE

Mr. Ranjan Kumar Mohapatra

Director (HR), IOCL & Chairperson, SCOPE HR Committee

**14th July
2021
11:00 am**

Join us as we release, present and interact on report recommendations on the link :

<https://ilo-org.zoom.us/j/97881670756>

Also join us on:  PSUSCOPE  PrSCOPE  OrgSCOPE



ACT/EMP
Bureau for employers Activities





Director General's Desk

Owing to the tremendous impact of the second wave of the pandemic, convalescence remains a big challenge around the globe. Organisations are working towards resilient, inclusive and sustainable response with special focus on health and well-being of employees. Public Sector Enterprises (PSEs) are prioritising the Well-being of their employees like never before.

Contemplating the impact of COVID-19 on the world of work and to ensure an inclusive, sustainable and resilient recovery, the International Labour Organisation (ILO) organised the first phase of 109th Session of the International Labour Conference, virtually for the first time.

SCOPE represented PSEs/SOEs employers at the Conference

as part of Indian tripartite delegation comprising of Employers, Workers and Govt. representatives at the conference, delegates of 181 countries unanimously adopted a global call to action for a human-centred COVID-19 recovery.

As part of empowering women employees in PSEs, ILO-SCOPE study on 'Impact of Working from Home (WfH) on Women Executives/Managers in PSEs in India' is being launched. The report is not only a study of the present scenario providing key finding but also recommendatory in nature identifying areas and ways to make WfH more effective and sustainable. Also, partaking in nationwide vaccination campaign, SCOPE recently organised 'Tika Utsav' for the PSE fraternity, its efforts were

also recognised by ILO, Geneva.

With Climate change becoming of the major concerns, as Public Sector Enterprises are aligning strategies to achieve environmental sustainability, SCOPE has collaborated with GIZ Germany (GIZ), a German public-benefit federal enterprise to create opportunities for engaging PSEs in vital areas of climate change.

The collaboration seeks to engage PSEs in vital areas of climate change while developing platform for experience sharing to foster partnerships amongst PSEs and other stakeholders. Also, pursuant to its resolve towards creating a cleaner and sustainable environment, I am happy to share that SCOPE has achieved sustained reduction in energy consumption in two of its office complexes at Lodhi Road and Laxmi Nagar, New Delhi.

The PSE fraternity lost many of the employees during the pandemic and SCOPE saluted their relentless spirit and dedication and SCOPE will continue to highlight work being done by PSEs during pandemic.

Programmes & Initiatives launched (since last issue of KALEIDOSCOPE)

- SCOPE celebrates Environment Day - **5th June 2021**.
- '3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths and Realities)' - **6th June 2021**.
- On the occasion of International Yoga Day, Session on 'Enhancing Immunity through Yoga & Meditation' - **20th June 2021**.
- SCOPE's Green Initiative towards sustained reduction in energy consumption.

Programmes & Initiatives in offing

- Launch of SCOPE-ILO study on the 'Impact of WfH on Women Executives and Managers in PSEs' in India - **14th July, 2021**.
- Joint publication of SCOPE & GIZ, Germany - 'Low carbon and Climate Resilient Pathways for PSEs - Training and Capacity Needs Assessment'.
- Finalisation of SCOPE CCL,USA Study to Develop Future Fluent Leaders in PSEs.


Atul Sobti

Director General, 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.

Complete services for conducting Arbitration

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

Cost effective and timely dispute settlement

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

Dedicated Infrastructure

- Exclusive Arbitration Hall having sitting 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.
- Complementary service of mineral water, tea/coffee with arrangements for high tea on request of parties.

Capacity Building

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



For any queries relating to SFCA, you may contact

SCOPE FORUM OF CONCILIATION & ARBITRATION (SFCA)

First Floor, Core 8, SCOPE Complex, Lodhi Road, New Delhi-11 00 03 • Email: sfca@scopeonline.in
• Phone: 011- 24360559, 011- 24361745

Shri Shubh Ratna
GM (Tech. & HR)
Mob: 9873398242

Shri Pritpal Singh
Dy. Manager (Tech & Legal)
Mob: 9891378597

Mrs. H. Vijayalakshmi
Manager
Mob: 8860151689

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

SCOPE Webinar on Myths & Realities of COVID



(Left to Right) Mr. Atul Sobti, Director General, SCOPE; Dr. H.K. Chopra, Senior Consultant Cardiologist, Medanta Moolchand Heart Institute, New Delhi; Ms. Soma Mondal, Chairman, SAIL & Chairperson, SCOPE; Ms. Asha Kapoor, MD, Famhealth and Ms. Vrishali Puranik, Famhealth during the Webinar.

The world is waging a two-front battle of infection and dubiety due to onslaught of information amidst the pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organized '3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths and Realities)' with Dr. H. K.

Chopra, Senior Consultant Cardiologist, Medanta Moolchand Heart Institute, New Delhi on 6th June, 2021. Ms. Soma Mondal, Chairman, SAIL & Chairperson, SCOPE; Mr. Atul Sobti, Director General, SCOPE and Ms. Asha Kapoor, MD, Famhealth also addressed the webinar. Nearly 1100 participants with their families joined the informative interaction

through SCOPE's various platforms.

Dr. H. K. Chopra apprised participants on the adoption of 3M protocol of being mindful and meditative by balancing thoughts, consciousness and following medication cautiously, under supervision to overcome the disease. Replying on common issues, he encouraged individuals to go for vaccination to abate the pandemic long lastingly.

Ms. Soma Mondal in her address said that the second wave has been excruciating both mentally and physically and Public Sector Enterprises (PSEs) are at the forefront for the citizens and encouraged participants to seek benefit from the program.

Mr. Atul Sobti stated that to overcome this trepidatious phase individuals must focus on accurate information and maintain mental calmness. He assured that SCOPE will continue to organise programs that provide precise information and solutions to individuals. ■



SCOPE observes International Yoga Day



Mr. Atul Sobti, DG, SCOPE; Mr. Pradip Kumar Das, CMD, IREDA & Vice Chairman, SCOPE and BNCHY Team during Yoga Session organised by SCOPE.

On the occasion of the 7th International Yoga Day, Standing Conference of Public Enterprises (SCOPE) organised a session 'Enhancing Immunity through Yoga & Meditation' in collaboration with Bapu Nature Cure Hospital and Yogashram (BNCHY), New Delhi on 20th June, 2021. Ms. Rashmi Nair, Director, BNCHY; Mr. Krishana Yadav, Yoga lead Trainer and Mr. Yashpal Singh, meditation expert took an interactive yoga

session. Mr. Atul Sobti, Director General, SCOPE and Mr. Pradip Kumar Das, CMD, IREDA & Vice Chairman, SCOPE also addressed the participants. Over 450 participants with their families joined the informative module through SCOPE's various platforms.

Mr. Atul Sobti in his address said that understanding the significance of Yoga in the present scenario, SCOPE organised this program to help participants imbibe, follow yoga as a lifestyle practice,

instil positivity and be better prepared for the future.

Mr. Das stated that Yoga is the remedy for many ailments and should be followed not as a ritual but as a spiritual practice to cure diseases.

Yoga session by Mr. Krishana and meditation session by Mr. Singh was followed by an interactive session where several queries were addressed on Yoga as a practice that can cure and help endure what cannot be cured. ■

SCOPE part of Indian tripartite delegation at International Labour Conference of ILO

The first phase of the June segment of the 109th International Labour Conference of International Labour Organization (ILO) was held virtually for the first time from 3rd June 2021 till 19th June 2021. The first virtual ILC in the history of ILO featured discussions on the impact of COVID-19 on the world of work and deliberated on ways to ensure a human-centered, inclusive recovery. SCOPE participated in the Conference as part of Indian tripartite delegation comprising of Employers, Workers and Government constituted by Government of India.

During plenary discussions, delegates addressed the DG, ILO's report on 'Work in the time of COVID' based on the human-centred approach of the ILO's 2019 Centenary Declaration to achieving a sustainable and inclusive global pandemic response. The Delegates unanimously adopted a Global Call to Action outlining measures to create a human-centered recovery from the pandemic.

World of Work Summit was held on 17th - 18th June as part of the conference that featured addresses from world leaders



DG, SCOPE at International Labour Conference of ILO held virtually.

and representatives of workers' and employers' organizations, and the United Nations including Pope Francis, President of the Republic of Korea, Moon Jae-in, Portuguese Prime Minister, António Costa, US President, Joe Biden and President of the Democratic Republic of Congo, Félix Tshisekedi. The Summit focused on the need for a global response to the COVID-19 crisis and the action required to build a better future of work.

The conference deliberated on the importance of promoting employment and decent work in a rapidly transforming world of

work emphasizing the need to develop, implement, monitor and review policies and programmes rooted in International Labour Standards. Discussions on social protection focused on the impact of COVID-19 and on the rapid changes occurring in the world of work.

Nearly 4,500 delegates took part in the virtual ILC, including 171 ministers and vice-ministers and high-level representatives from workers and employers, from 181 ILO Member States. The next segment of the conference will be held from 25th November to 11th December this year.



World leaders including Pope Francis; Mr. Moon Jae-in, President of the Republic of Korea and Mr. Joe Biden, US President during the International Labour Conference.

SCOPE's Green Initiative

Pursuant to its resolve towards creating a cleaner and sustainable environment, Standing Conference of Public Enterprises (SCOPE), the apex body of Public Sector Enterprises (PSEs) in India has achieved sustained reduction in energy consumption in two of its office complexes at Lodhi Road and Laxmi Nagar, New Delhi. These two office complexes accommodate corporate and regional offices of 65 PSEs.

Initiatives such as effective monitoring of power consumption, replacement of conventional lights by LED lights, Occupancy



sensors, overall energy consciousness and utilization of energy efficient equipment have further invigorated SCOPE's

resolve towards a greener future and SCOPE will continue its efforts towards reducing the consumption of electricity. ■

International Labour Organisation (ILO), Geneva highlights SCOPE's efforts towards TIKA Utsav - countrywide vaccination campaign

The screenshot shows a news article from the ILO website. At the top is the ILO logo and the text 'International Labour Organization'. Below that, the article title is 'SCOPE supports vaccination campaign in India'. The text of the article reads: 'Standing Conference of Public Enterprises (SCOPE), an apex body of Public Sector Enterprises (PSEs) organized a workplace vaccination camp for employees of Public Sector Enterprises'. The date is listed as 'News | 16 June 2021'. A small photo shows a person receiving a vaccine. The article concludes: 'In this moment of distress, the Standing Conference of Public Enterprises (Scope) has accepted to participate in Government's call for National Vaccination Festival (Tika Utsav), by organizing a massive vaccination campaign for employees.'

SCOPE's workplace vaccination camp held on 13th April 2021 featured on ILO, Geneva's website.

SCOPE Video encapsulating PSEs at Service of the Nation

SadevDeshkiSewaMain

To view SCOPE special videos please visit our website: www.scopeonline.in

(SCOPE Series on PSEs Initiatives during COVID's Second Wave – 2nd in Series)

Showcasing the efforts of PSEs during the second wave of the pandemic and their prompt response towards recuperation, SCOPE brought out a special series of tweet showcasing the same. The second video in the series reflected steadfast commitment of PSEs in providing the nation uninterrupted supply of goods and services in every nook and corner of the country. Transportation and supply of



medical and essential items remained a prerogative of PSEs, raising awareness among citizens and inculcating employees their families and local population, airlifting effected employees and ensuring medical facilities in appropriate time.

SCOPE Environment Day film elucidating its commitment towards Greener tomorrow





SCOPE, apex body of PSEs/SOEs and GIZ, Germany have come together for Climate Change Mitigation

- Conducting training needs assessment on climate change, carbon pricing, carbon markets etc.
- Identifying potential areas for making Climate goal measurable & assessable
- Developing specific projects for PSEs




Ongoing Projects

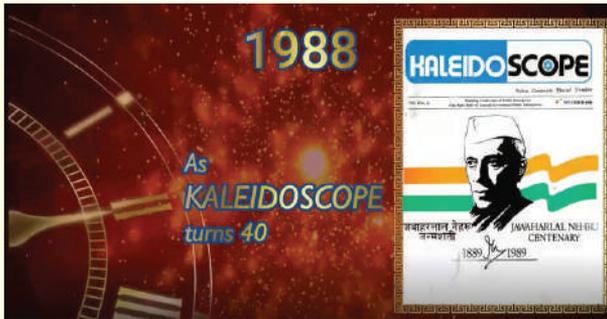
- 'Training Needs assessment' - Climate Change Mitigation in PSEs
- Sectoral training guidebooks for Climate Change Mitigation
- Supporting leading PSEs in determining Internal Carbon price

video. That Climate Change is real was the theme of the video that reiterated that PSEs are making arduous efforts to create a greener and more sustainable tomorrow.

Pursuant to this SCOPE and GIZ, Germany have come together for Climate Change Mitigation. Besides conducting training programs needs assessments for PSEs on Climate change they will be making Climate goals measurable, assessable and developing specific projects for PSEs. The video was a glimpse of SCOPE's commitment as a dedicated partner in creating an environmentally sustainable tomorrow.

Raising awareness towards the imminent danger of Environment Day on the globe, SCOPE celebrated Environment Day and released a

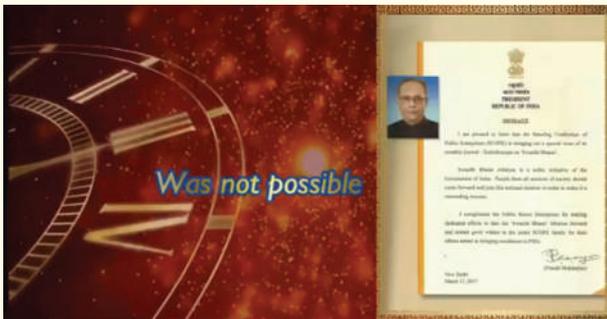
KALEIDOSCOPE Celebrates 40 years in print



1988
As **KALEIDOSCOPE** turns 40




As we continue to tell **YOUR** story...



Was not possible



Interpreting the stories and happenings of PSEs over the last four decades has not only been the aim of KALEIDOSCOPE, SCOPE's

monthly magazine but also an honour for all of us at SCOPE. Presenting glimpses of our issues and features in the last forty years, a special video was brought out celebrating this milestone. But this feat would not have been possible without the support of PSEs and KALEIDOSCOPE aims to continue representing PSEs. ■

Be Innovative, Succinct & Creative – DG, SCOPE advises CC Professionals



DG, SCOPE and PRSD officials during the webinar interacting with participants.

Mr. Atul Sobti, Director General, SCOPE was invited to address Public Relation officials at Public Relations Society Delhi (PRSD)'s webinar on 'Role of Corporate Communication in the Changing Paradigm' on 12th June, 2021. At the interactive session attended by nearly 500 participants from across the country, DG, SCOPE steered CC professionals to be Innovative, succinct and creative in their campaigns. He added that to transcend with the changing times, Re-inventing & being adept to latest platforms is key to success.

DG, SCOPE shared that the Public Sector Enterprises have been doing tremendous work during COVID-19 through their initiatives ranging from supplying oxygen to hospitals,

creation of COVID Care centres and transportation of medical & essential equipments across the country. He also informed that mass vaccinations have been undertaken by PSEs for inoculating PSE employees, their families and residents of far flung regions of the country but unlike others PSEs were not being highlighted. He therefore added, that SCOPE released a compendium in September 2020, annotating the various initiatives and efforts of PSEs. Reiterating SCOPE's commitment to highlight the incessant efforts of PSEs, SCOPE undertook a social media campaign in April 2021 with a series of tweets enunciating PSEs efforts to combat COVID's Second wave that garnered maximum viewership.

He added that the Twitter series was a novice attempt by SCOPE to innovate its reach, to maximum viewers in the shortest possible time. This he added, showcased the power of Social media for Brand building and inspired participants to keep reinventing and he asked CC professionals in PSEs to buckle up for better representation of PSEs. He added that SCOPE will continue to bring out features and publications to highlight the efforts of PSEs and complimented PRSD's commitment towards enhancing skills of PR professionals and its vision of recognition of PR as a profession to reckon with.

40th anniversary issue of KALEIDOSCOPE was released and a video showcasing its four decade story was also unveiled at the webinar.

SCOPE in Media

THE TIMES OF INDIA 23.06.2021 Pg no : 10

7th International Yoga Day celebrated

SCOPE: On the occasion of the 7th International Yoga Day, Standing Conference of Public Enterprises (SCOPE) organised a session 'Enhancing Immunity through Yoga & Meditation' in collaboration with Babu Nature Cure Hospital and Yogashram (BNCHY), New Delhi. Rashmi Nair, Director, BNCHY; Krishana Yadav, yoga lead trainer and Yashpal Singh, meditation expert took an interactive



yoga session. Atul Sobti, DG, SCOPE and Pradip Kumar Das, CMD, IREDA & Vice Chairman, SCOPE also addressed the participants. Over 450 participants with their families joined the informative module through SCOPE's various platforms.

daily Excelsior

11.06.2021 Pg no : 11

SCOPE organizes webinar on Myths & Realities of COVID

Excelsior Correspondent JAMMU, June 10: Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with

THE FREE PRESS JOURNAL

29.06.2021 Pg no : 10

SCOPE's Green Initiative

Pursuant to its resolve towards creating a cleaner and sustainable environment,

वीर अर्जुन

30.06.2021 Pg no : 2

स्टैंडिंग कॉन्फ्रेंस ऑफ पब्लिक एंटरप्राइजेज ने आयोजित किया वेबिनार

NBT नवभारत टाइम्स

21.06.2021 Pg no : 11

स्कोप ने कोरोना के महनेजर वेबिनार आयोजित कराया

mid-day

23.06.2021 Pg no : 21

SCOPE Webinar on myths and realities of COVID



The world is waging a two-front battle of infection and dubiety due to onslaught of information amidst the pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organized '3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths & Realities)' with

अमर उजाला

16.06.2021 Pg no : 8

स्कोप ने कोविड विषय पर किया वेबिनार

समय जगत

3.06.2021 Pg no : 1

स्कोप ने मनाया अंतर्राष्ट्रीय योग दिवस

स्कोप ने 7वें अंतर्राष्ट्रीय योग दिवस के अवसर पर, स्कोप संस्था ने बामुने नगर स्पोर्ट्स हॉटेल में योग दिवस के आयोजन के रूप में योग का फलन करने, सकारात्मक शैली बनाने और परिवर्तन के लिए इस कार्यक्रम

FINANCIAL EXPRESS

18.06.2021 Pg no : 2

SCOPE organises emotional talks

STANDING CONFERENCE of Public Enterprises (SCOPE) with Famhealth organised 'Sharing is Caring - A Dialogue on Emotional Strengthening-Real life experiences' with renowned psychiatrist, Dr Nimish G Desai, director, IHBAS, New Delhi. Nearly 850 participants with their families joined the programme through SCOPE's various platforms.

SCOPE Webinar on Myths & Realities of COVID

The world is waging a two-front battle of infection and dubiety due to onslaught of information amidst the pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organized

The Tribune

15.06.2021 Pg no : 10

SCOPE webinar on myths and realities of Covid

Standing Conference of Public Enterprises (SCOPE) in collaboration with Famhealth recently held '3M (Mindfulness, Meditation & Medication) Covid Protocol: Today & Tomorrow (Myths & Realities)' with Dr HK Chopra, cardiologist, Medanta Moolchand Heart Institute, Delhi. Ms Soma Mondal, chairper-

FINANCIAL EXPRESS

3.07.2021 Pg no : 12

SCOPE has achieved sustained reduction in energy consumption in two of its office complexes at Lodhi Road and Laxmi Nagar, New Delhi. These two office complexes accommodate corporate and regional offices of 65 PSEs. Atul Sobti, DG, SCOPE informed that reaffirming SCOPE's renewed commitment towards environmental sustainability, in the year 2020-21, savings in power consumption were around 3.82 million units equivalent to savings worth over Rs. 4 cr. In the last 5 years, such efforts by SCOPE and its constituents have resulted in saving of 9.54 million units equivalent to over Rs. 11 crs.

SCOPE observes 7th International Yoga Day

On the occasion of the 7th International Yoga Day, Standing Conference of Public Enterprises (SCOPE) organised a session 'Enhancing Immunity through Yoga & Meditation' in collaboration with Babu Nature Cure Hospital and Yogashram (BNCHY), New Delhi. Rashmi Nair, Director, BNCHY; Krishana Yadav, Yoga lead Trainer and Yashpal Singh, meditation expert took an interactive yoga session.

Atul Sobti, DG, SCOPE and Pradip Kumar Das, Chairman and Managing Director, IREDA & Vice Chairman, SCOPE also addressed the participants. Over 450 participants with their families joined the informative module virtually through SCOPE's various platforms.

SCOPE organises session on yoga, meditation

ON THE OCCASION of the 7th International Yoga Day, Standing Conference of Public Enterprises (SCOPE) organised a session 'Enhancing Immunity through Yoga & Meditation' in collaboration with Babu Nature Cure Hospital and Yogashram (BNCHY), New Delhi. Rashmi Nair, director, BNCHY; Krishana Yadav, yoga lead trainer and Yashpal Singh, meditation expert took an interactive yoga session.

SCOPE Webinar on Myths & Realities of COVID

The world is waging a two-front battle of infection and dubiety due to information pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organized '3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths

THE FREE PRESS JOURNAL
22.06.2021 Pg no : 11

SCOPE observes International Yoga Day



On the occasion of the 7th International Yoga Day, Standing Conference of Public Enterprises (SCOPE) organised a session 'Enhancing Immunity through Yoga & Meditation' in collaboration with Babu Nature Cure Hospital and Yogashram

THE FREE PRESS JOURNAL
15.06.2021 Pg no : 11

SCOPE Webinar on Myths & Realities of COVID



The world is waging a two-front battle of infection and dubiety due to onslaught of information pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organized '3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths and Realities)'. Participants. Over 450 participants with their families joined the informative module virtually through SCOPE's various platforms.

समय जगत
11.06.2021 Pg no : 8

कोरोना को लेकर स्कोप का वेबिनार संपन्न



भोपाल। स्कोप संस्था ने कोरोना को लेकर वेबिनार का आयोजन किया। जिसमें डॉ एच.के. चोपड़ा सीनियर कंसल्टेंट कार्डियोलॉजिस्ट, मेदांता मूलचंद हार्ट इंस्टीट्यूट, नई दिल्ली, सुश्री सोमा मंडल, अतुल सोबती महानिदेशक स्कोप और सुश्री आशा कपूर, एमडी, फैमहेल्थ ने अपने मूल्यवान विचार साझा किये। जिसमें लगभग 1100 प्रतिभागी अपने परिवारों के साथ स्कोप के विभिन्न प्लेटफार्मों के माध्यम से वेबिनार में शामिल हुए।

the pioneer
11.06.2021 Pg no : 9

SCOPE WEBINAR ON MYTHS & REALITIES OF COVID

New Delhi: The world is waging a two-front battle of infection and dubiety due to onslaught of information amidst the pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organised "3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths and Realities)".

SCOPE WEBINAR ON MYTHS & REALITIES OF COVID

New Delhi: The world is waging a two-front battle of infection and dubiety due to onslaught of information amidst the pandemic. Elucidating solutions, Standing Conference of Public Enterprises (SCOPE) with Famhealth organised "3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths and Realities)".

Comments/Feedback Received for SCOPE Webinar on '3M (Mindfulness, Meditation & Medication) COVID Protocol: Today & Tomorrow (Myths and Realities)' with Dr. H.K. Chopra & 'Enhancing Immunity through Yoga & Meditation' with experts from Bapu Nature Cure Hospital & Yogashram

Recording of SCOPE Webinars are available on SCOPE Website : www.scopeonline.in

Sir We had a great learning opportunity today such awareness programmes undoubtedly will save many lives in times to come, and the CPSE health committee and portal as suggested will help in building on new ideas and resources across PSUs, will be happy to contribute in any way in it. Thank you once again. Regds

Excellent Programme - highly educative, insightful, supportive and assuring! My Compliments. Best Regards.

Wonderful session sir. A session with a renowned, popular doctor who is so effusive and eager to share the knowledge - it had all the ingredients of a hit session.

Sir, Heartiest congratulations for excellent initiatives undertaken by SCOPE during the difficult and trying time under your able Leadership. Kudos to you. Regards

The Session 3M was very informative and clear

It has been excellent program today on very much useful topic. Dr. Chopra is very experienced and knowledgeable Doctor and has clarified everything very nicely. Our heartiest Congratulations to you and your Team on organising such a beautiful and valuable program. With best personal wishes

One of the best session of yours.

Thanks for invite. I attended it and found it very interesting and meaningful

It was a pleasant experience to listen to Dr. Chopra I would like to congratulate team SCOPE for organising this event.

It was a very insightful session. I got to know a number of vital information from the learned doctor on handling the stressful situation induced by the pandemic a number of myths were busted and doubts got clarified. I thoroughly enjoyed the session & look forward to more such sessions in future.

The session was an excellent program and it was crisp and subject oriented – apt during this pandemic period. Kudos to SCOPE team and to Dr. Chopra. Dr. Chopra answered all queries raised by participants and the way he explained very calmly without any tension proves of his 30 years of Yogic & Meditative Life, which everyone should learn from him. As suggested by Guest Speaker & SCOPE team, if you conduct any program on meditation, kindly advise me I would like to join with my family. Once again thanks to All.

For the present, the content was most relevant. The presentation was excellent and useful.

Salute to all of you, including Mr. Atul Sobti, DG, SCOPE, (Mrs.) Soma Mandal, Chairperson, SCOPE & Chairman, SAIL and the Great friend, philosopher and guide of mine since 1992, Dr. Chopra Hriday Kumar. Regards.

Thanks. I felt it was very useful and Dr Chopra answered all the questions satisfactorily.

Sir, Thanks for giving me the chance for attending the program which is need of the time. Really a marvellous program.

Very effective, very impressive and informative session clearing all confusions and Myths regarding COVID-19 (Pre and Post COVID). Thanks to Coordinating agencies/ departments/PSUs.

It was very much useful and interesting. The learned doctor did a wonderful job in explaining the COVID protocols in a simple manner. Thanx for the initiative.

It was a fantastic webinar. Thank you for giving me the opportunity.

Really very nice of all the presentation/discussions / webinar I attended on COVID.

We have enjoyed lovely session on COVID pandemic by Dr. H. K. Chopra & associate of SCOPE members. Thanks a lot to Dr. H. K. Chopra & associate members of SCOPE.

It was an excellent opportunity for me to listen to Dr. Chopra. The explanation delivered by Dr. Chopra was outstanding. Thanks everyone of SCOPE for arranging such a nice program. My sincere thanks to Chairman SAIL and Chairperson SCOPE Madam Soma Mondal.

Sir We had a great learning opportunity today and such awareness programmes undoubtedly will save many lives in times to come, The CPSE health committee and portal as suggested will help in building on new ideas and resources across PSUs, Will be happy to contribute in any way in it Thank you once again. Regds

Excellent Programme- highly educative, insightful, supportive and assuring! My Compliments.

Wonderful session sir. A session with a renowned, popular doctor who is so effusive and eager to share the knowledge -- it had all the ingredients of a hit session.

Grateful to SCOPE, Famhealth & Dr. H. K. Chopra for such a good awareness programme.

Dr. Chopra has explained very nicely and patiently about the post COVID precautions to be taken and importance of 3M. This is one of the best sections of SCOPE, I have attended. Thank you so much SCOPE for organizing such an excellent section.

Excellent Programme. Congratulations team SCOPE.

Wonderful program. Congratulations to SCOPE.

It's a good initiative by SCOPE with famhealth in educating n imparting very relevant useful information through an expert like respected Dr. H. K. Chopra Sir. Hope for many more like organising session on meditation by Dr. Deepak Chopra. Thanks a lot for the whole team.

Thank you for the team to organise such session.

Thanks a lot!! Excellent programme thanks organisers.

This is one of the best session and we all must follow the protocols. Thanks to SCOPE team. Ty Dr. Chopra and SCOPE

Wonderful programme conducted by SCOPE and enlightening deliberation of all the panellist. Thanks a lot. A special thanks to Madam Soma Mondal Chairman SAIL for her innovative idea of such programmes, a need of the hour. Thanks a lot, to Madam Vaishali and Mr. Sobti for conducting the programme so nicely. Regards

Nice webinar and very much relevant particularly the need of the hour.

Thanks a lot for organizing a very interactive session.

Very effective session, Dr. patiently clarifies n almost all doubts clarified. Thanks to Dr. and SCOPE team, hat's off

Great it was! A big thanks to Dr. Chopra, team SCOPE & Fam Health for wonderful webinar apt to the occasion. Got enriched & inspired.

Seems to be extremely productive session.

Very ease and practical yoga session

It was a great initiative and a push for us to do Start now... Thanks for such a nice arrangement and flawless Lectures from Dr. Krishna & Mr. Yashpal. Clap for the SCOPE team for managing the event greatly. Regards

The content covered by Dr. Yadav was really awesome... or must say Gagar me Sagar.....Thanks for such a great initiative.. Thanks and regards

The Yoga class by Mr Krishna Yadav was wonderful.

The two sessions were useful for keeping ourselves & thus the society healthy. Thanks

Thanks! Well thought full session to keep ourselves healthy. Regards

Thanks, It's very nice and Thoughtful program to keep healthy and young always and Happy

Thank you, DG, SCOPE Sobti Saheb for the wonderful Program

Thanks to SCOPE team for well organised webinar. Regards

Thanks for arranging such a beautiful and informative session on international yoga day.

Very helpful and informative session. Looking forward to many more such initiatives from SCOPE.

Commendable step towards creating public awareness of the benefits of Yogasan, pranayam and meditation etc.

Nice programme for the beginners.



@PSUSCOPE

Tweet by SCOPE Saluting Relentless Efforts of Public Sector Employees



Saluting relentless spirit of Public Sector Employees

Public Sector Enterprises (PSEs) in India have always played a crucial role in making significant economic and social contributions to the country. During the pandemic also, PSEs played a pivotal role in not only supplying essential goods and services to every corner of the country, but also contributed constructively to medical, social and physical needs of the people of the country. They have performed at more than their optimum capacities to ensure comfort and continuation of necessary infrastructure. This can be seen from the fact that PSEs in power generation & distribution have ensured uninterrupted supply of power without any breakdown thereby helping hospital and medical facilities. Following Hon'ble Prime Minister's call of 'Jahaan Bimar Wahin Upchar' PSEs have created Jumbo COVID Care Centers for medical assistance in the remotest corners of the country.

Seamless supply of petroleum products has ensured incessant production of medical essentials alongside ensuring continuity of transportation of goods and services. Awareness campaigns across the country to ensure right information reached citizens and nonstop services of airways and railways has assured comfort to passengers for necessary movement and connectivity. Not only this, they have been making successful efforts for augmentation of medical facilities in form of hospitals and support in oxygen supply besides adding to the medical infrastructure in least turnaround time. All this beyond organizing large scale vaccination drives, strengthening medical infrastructure in the form of medicines, sanitizers, masks, PPE kits etc. and also supporting the needy with food and shelter.

All this has been made possible due to the dedication of the manpower of the Public Sector who have worked selflessly round the clock without worrying about their own well-being or even their lives.

We honour and salute the spirit of the Public Sector Employees in standing tall even in the most adverse situations and putting Nation before self in direst of situations.

#DeshkiSewaMain



Click to follow SCOPE:



Pr.SCOPE



OrgSCOPE

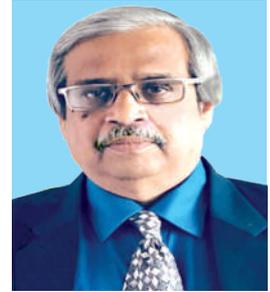


PSUSCOPE



Pr.SCOPE

Branding in A CRISIS



Gagan Chaturvedi

Deputy Director General
Corporate Communications
Ordnance Factory Board

“ Everyone has a plan till they get punched in the mouth” - Mike Tyson

A crisis poses fundamental questions to a brand as carefully crafted plans undergo severe disruption. Brands are required to be adaptive and innovative and those that don't evolve take a severe beating. Brands that survive and grow are the ones that know their purpose or “why?” they serve their stakeholders and have purpose embedded across the enterprise and live it across the value chain.

This article looks at the phenomena of branding in a crisis in terms of three distinct albeit interlinked categories: the underlying principles of managing in a crisis, the behaviour that organisations should exhibit and the message that brands send out in the environment.

Principles

“ Never waste a good crisis. It's how you respond when things are difficult that readily define you as a leader” – Mindy Grossman, CEO Weight Watchers.

Be a good corporate citizen

The response should be prompt,

responsible and sensitive to the needs of society at large and motivated by a genuine desire to alleviate the distress of the people.

Be true to brand values

In the absence of plans and the informational vacuum that crises create, brands have to re-orient around their core values of their mission and find a way to implement it.

Core values determine both actions of the organisation and the narrative they tell. Both actions and messaging should be aimed at increasing the emotional connect with the customers and other stakeholders. This emotional connect is the foundation of brand loyalty. The emotional connect that is built up during this time is more than likely to survive after the crisis.

Have a helping attitude

During a crisis, people look for credibility and genuine help. Organisational leadership has to understand, identify, and amplify aspects of the brand that can be helpful to customers.

Humanise the brand

Branding is all about crafting a personality for a non-living entity. Humanisation works to build an emotional connection based on trust, authenticity and ethics. These are the principal components of brand equity.

Know your brand

Organizations have to appreciate the unique role the brand plays in peoples' lives and how the brand can be useful in a crisis. Brands have to look for opportunities to lead by example and do the right thing where it makes sense for the organisation's business.

Make a positive contribution

People want to see the brands they connect with to use the power at their disposal to make a positive contribution to society. Knowing that the organisation cares to the extent of taking assertive action to help people increase the “brand connect”.

Behaviour

“Orders! When what's needed is imagination.”- Albert Camus,

‘The Plague.’ Some organisations are overwhelmed and freeze, some find their resolve. The response is the brand.

Treat the customer as a human being

Organisations have to treat customers as human beings and accord primacy to the relationship over selling. Brands which adapt rather than continue with the “business as usual” attitude are more likely to get a positive response which could translate into increased sales.

Control the narrative

It is essential to put a message before others interpret the story of the organisation and provide a full explanation of the organisation’s approach to dealing with the crisis. This approach then has to translate in concrete, timely and wholehearted action. It is important to be seen as owning the strategy of overcoming the crisis.

Act in the best interests of the organisation

Supporting customers should become the guiding principle for actions of the organisation. The long term benefit of being seen to be present and visible will far outweigh the short term reverses suffered during the crisis.

Credibility

The actions of the organisations should be credible as brands strive to forge and strengthen relationships with customers and with society in general. Honesty, humility and transparency should underpin these actions.

Understand shifts in customers’ preferences

The upheaval caused by the crisis



causes shifts in the customers’ emotional and behavioural preferences. Understanding these changes in an insightful manner and developing or tweaking existing products and services can help sustain profitability during a crisis.

Offering steep discounts, for example, is often a short term strategy in such circumstances and erodes brand value. It is far more profitable, in the long run, to emphasise products that are appropriate to the circumstances at full price with compelling messaging.

Be likeable

Peter Shankman, serial entrepreneur and best selling author puts it very succinctly when he says “stop chasing likes and do things that are likeable.” Customers approach because they have a problem. Empathy without selling is more likely to generate an emotional connect which could lead to future sales.

Innovation

A crisis demands innovation. It is a time when organisations should take a hard look at all their processes and come out with better ways of doing the

same things. It is not necessary to aim for perfection at the first go but to just do what needs to be done and bring about improvements along the way.

Technology

Times of crisis usher in technological change and accelerate the pace of change. The scale of adoption of technology by the people is forced by the circumstances. Brands then have to deal with more evolved and technologically aware customers. Owning and investing in refining the entire customer engagement cycle, anticipating and acting on the need for smart personalisation and the delivering enhanced value goes a long way in enriching customer experience and building long-term relationships.

Communication

“Frankly to manufacture thought is like a masterpiece by a weaver wrought.” - Goethe

The initial response

The initial response of the organisation is of paramount importance. Protecting and living upto brand values during a crisis starts with the initial response. The

timing and tone of the response is critical. It needs to be prompt, concise, empathetic and transparent. Messages reflecting empathy and support serve the important purpose of maintaining brand relevance and upholding the reputation of the brand.

Creating connection

Organisational corporate communication needs to invest in building connections with customers. Messages that are personal, devoid of clichés and offer value beyond the product, help build strong connections. The tone of communication should be laced with empathy, understanding and even humour. Uplifting, educational and communication embodying brand values pay off during and after a crisis.

Adapting the message

Crises disrupt normalcy. Organisations have to adapt and tailor the message according to the changed circumstances.

While the common thread running across the entire spectrum of corporate communications has to be the brand values and what the brand reflects and stands for, the specific content of the message has to take into account the needs of the target audience, the pain points faced by them, the cultural changes wrought by the crisis and the competitive landscape.

Humanise the message

Organisations have to remember that they serve human beings. The target audience comprises employees, customers and prospects. The content of the communication has to offer advice, support and understanding, anything else is likely to be ignored.

A crisis demands innovation. It is a time when organisations should take a hard look at all their processes and come out with better ways of doing the same things. It is not necessary to aim for perfection at the first go but to just do what needs to be done and bring about improvements along the way.

Be purposeful

Purposeful content is a key component in brand communication strategy. It is important to communicate purpose genuinely and give people a reason to listen beyond the sales pitch.

Companies need to be seen and to be heard. Spotlighting thought leaders who share valuable information and provide relevant tips for facing the crisis is also a good communication strategy.

Using social media

Social media is an immersive and continuous presence in our lives. Twitter is a powerful platform in crisis communication and for communicating with stakeholders.

Instagram is useful for sharing real life moments and for

humanising the brand. The use of influencers is also a powerful strategy to communicate with customers on a wide range of issues and concerns. Influencer campaigns provide a stronger connect at a personal level as the stories have a real life feel and are delivered in a problem solving perspective. Influencers with a large number of followers and an understanding of what works in the digital space are a powerful channel of communication for brands.

In tier II and III cities Facebook is the preferred social media platform. It is, therefore, important to tailor the message to the characteristics of each social media platform, and the audience it serves.

It is, however, important to realise that neither is crisis a marketing strategy nor should a brand be seen to be opportunistic. People look up to leaders and institutions for guidance, reassurance and information and that is what brands must provide.

Social media also provides opportunities to listen to the conversations that people are having and to identify concerns. These concerns can then be meaningfully addressed in corporate communication across all media channels.

Brands that move fast towards taking the measures necessary to reach out to their customers directly in their time of need, prioritise their safety, inspire confidence and provide a rich and stimulating customer experience, backed by a technologically driven infrastructure will earn the long term loyalty of customers. ■

Lessons Learnt from the 2nd Wave of COVID-19

and Strengthening Our Preparedness for the 3rd Wave



Dr. Sandeep Sharma*

After having a devastating impact, the second wave of COVID-19 is subsiding in India. But the trauma caused by the devastation due to the second wave has made us realise the importance of following COVID appropriate behaviour.

Experts have suggested that if people do not follow COVID appropriate behaviour, the third wave may be 'inevitable' and hit us in a few weeks. The rapid spread of Delta and Delta plus variants have also triggered concern among people.

However, a collaborative survey by the World Health Organization (WHO) and the All India Institute of Medical Sciences (AIIMS) says that children won't be harmed disproportionately as compared to adults if a third wave strikes.

The health ministry has come out with treatment guidelines for children with COVID infection and has maintained that there is no indication that children will be more or severely affected in the 3rd wave.

Scientists predict that a 3rd wave of COVID-19 is inevitable and it is up to us to delay it and limit its impact. Repeated waves will

continue but key question is whether these waves are manageable or not. Our preparation strategy must be to remain two steps ahead of the pandemic as the behaviour of this virus is unpredictable.

Knowledge is power and, in a pandemic, knowing what to do can save lives. Right knowledge at right time can mean the difference between health & suffering and between life & death.

Learnings from Second Wave of COVID-19

- Shortage of oxygen/ventilator beds in Hospitals due to sudden surge in COVID cases.
- Shortage of medical oxygen supply (Oxygen cylinders and concentrators).
- Shortage of essential medicines for COVID-19 treatment.
- Delay in COVID testing and getting reports.
- Delay in getting consultation from COVID specialist.

In India now the delta plus variant of concern of novel coronavirus is gradually increasing day by day. Delta plus is a variant of

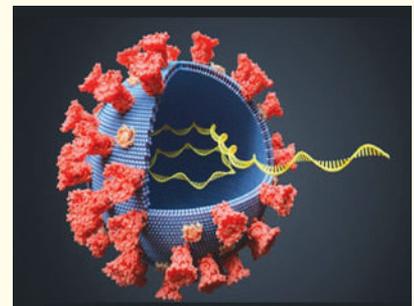
concern because of its:

- Increased transmissibility.
- Stronger binding to receptors of lung cells.
- Potential reduction in monoclonal antibody response.

Most of the cases are from Maharashtra, MP, Kerala, Tamil Nadu and more than 11 states in India. These states have been advised to take immediate containment measures in the identified districts and clusters including:

- Preventing crowds
- Widespread testing
- Prompt Tracing and
- Vaccine coverage on priority

Vaccination is among the few ways we have, to defeat the virus. We need to increase the pace of vaccination so that we do not allow virus to evolve and create new variants.



* Dr. Sandeep Sharma, M.B.B.S., M.S., Associate Fellow of Industrial Health (Central Labour Institute, Mumbai), General Manager H,S&E-Medical, Corporate Office, IndianOil Corporation Limited.

More than 32 Crore doses of COVID vaccine has been administered since the roll out of the vaccination drive in India on January 16. Nearly 25 Crore people have been vaccinated with first dose and over 5 Crore people have received 2 doses of vaccine. In the new phase of vaccination from June 21 Government of India aims to administer 1 Crore vaccine doses per day as per the availability of the vaccine, so that a large part of population can be covered by vaccine.

At This Particular Point of Time

- We cannot take COVID-19 lightly as India still have a sizable susceptible population and
- The threat of potentially deadly variants of concern is still not clear.

While COVID-19 numbers are on a decline it is time to amplify the message, stressing the need for:

- Masking.
- Personal hygiene.
- Physical distancing.
- Avoiding moderate or large gatherings and
- Vaccination till the situation gets completely back to normal.

Masking is not a choice now, it is a necessity, it is our responsibility towards our family, our fellow colleagues at workplace, the community, and the country as a whole. Wearing a mask should not be an imposition but a habit that will eventually help us and others around us.

These are scientifically proven measures that can reduce infections and reduce transmission.

At G7 summit recently held in UK WHO attributed second wave of COVID-19 in India to :

- Premature opening of the society.
- Relaxation of public health measures.
- Emergence of new variants.
- Unequal vaccine distribution to those who are most vulnerable.

In fact, by increased mobility and social mixing of population we have given the virus more opportunities to transmit & mutate. All these factors created a dangerous combination to increase the viral transmission.

WHO Message is

- To stay very vigilant.
- Put everything in place we can do at reducing transmission.

As advised by WHO Director General, Dr. Tedros the best approach in India to control the pandemic is :

- To not let your guards down.
- Follow the comprehensive approach for a strong public health measures with vaccinations.

Four Strategies to Control the Pandemic :

- Slowing or stopping the spread of the virus by : Testing and isolating infected people. We need to escalate Rapid Antigen Testing frequency to screen the susceptible population, identify and isolate the infected cases.
- Reducing opportunities for transmission (e.g. via social distancing, school closures, reduced workforce in offices,

preventing mass gathering, etc).

- Changing the duration of infectiousness (e.g., through antiviral treatment).
- Reducing the number of susceptible individuals (e.g., by vaccination).

The main objective of these mitigation strategies is :

- To minimize morbidity & associated mortality.
- Avoiding an epidemic peak that overwhelms healthcare services.
- Keeping the effects on the economy within manageable levels.
- Flattening the epidemic curve (To wait for vaccine development and scale up vaccine manufacture and antiviral therapies).

Risk Assessment of Workplace for COVID-19 :

Our preparedness and actions to mitigate COVID-19 need to be based on risk assessment of the workplaces with a comprehensive checklist :

1. Local Community infection levels

The most important risk factor is the level of infection in the local community.

Control measures – Mass Rapid testing for COVID-19, physical distancing, hygiene, masks.

2. Individual Vulnerability

Analyse what is the employee's individual vulnerability risk, considering their demographic and clinical risk factors due to co-morbidities.

3. Vaccination

Complete vaccination must be ensured as vaccines are effective in preventing infection, hospitalization, death, and transmission of the infection.

4. Workplace transmission risk

Minimize workplace transmission risks by ensuring physical distance & sanitization. Risks associated with public transport use must be taken care.

5. Proper Ventilation

Proper ventilation must be ensured at the workplaces.

6. Workers' concerns and expectations

If employees returning to work, have any concerns, can steps be taken to address these? Organizational and workplace hygiene measures need to be strengthened to reduce risk associated with apprehension, fears of workplace transmission and psychological symptoms among returning employees.

7. Post COVID symptoms

Acknowledge & support workers who have had COVID-19 illness as they can experience symptoms that last weeks or months after recovery.

Action points for strengthening our preparedness

Augmentation of existing health care infrastructure and provision of trained medical and para medical staff in these facilities to manage any future surge in COVID-19 cases.

Establish COVID care health centres with sufficient medical oxygen supply.

Facilities must have the capacity to provide enough oxygen cylinders and concentrators to meet any surge in requirement of medical oxygen supply.

Ensure smooth uninterrupted supply of essential medicines like steroids, anticoagulants, antiviral drugs & other symptomatic medicines related to COVID treatment.

Rapid antigen testing kits, self-test kits for COVID-19 (CoviSelf) for mass screening and testing COVID specialist doctors shall be engaged to provide teleconsultation for management of COVID cases.

Empower first line responders in the organizations with latest COVID management guidelines.

Special precautions that needs to be taken during this phase of COVID Pandemic:

Basic challenge at present is to break the chain of transmission by improving our COVID appropriate behaviours. Hence, we need to :

- Avoid crowded place.
- Avoid unnecessary travel.
- Wear double masks when going out.
- Keep wearing your mask in public places.
- Living rooms must be well ventilated.
- Sanitization of frequently touched surfaces.
- Avoid unmasking situations like eating in restaurants.
- Give prompt attention to your symptoms and get tested & treated as soon as possible.
- At home Self-Health monitoring is a must. Regularly monitor your :
 - Temperature.
 - Oxygen saturation.
 - Respiratory rate.

- Blood pressure if you are hypertensive.

- Blood Sugar if you are diabetic.

- Do six-minute walk test to check any dip in oxygen saturation.
- Take Multi Vitamins.
- Drink lots of water & keep yourself hydrated.
- Do saline gargles 2-3 times every day.
- Build confidence in COVID-19 vaccination.

We need to implement a testing framework which ensures that timely test results are available to guide the actions to minimize morbidity, mortality and disease spread.

The path that SARS-CoV-2 might take to become an endemic virus is challenging to predict, but society does have some control over it.

In the next year or two, we can reduce transmission with control measures until enough people have been vaccinated either to achieve immunity or to drastically reduce the severity of infections. That would significantly reduce deaths and severe disease.

But if we abandon strategies to reduce spread and let the virus reign unchecked then “the darkest days of the pandemic are still ahead of us”.

Disclaimer

The information shared, is solely intended, for the benefit of young industrial physicians & is contributed from the archives of what we have learnt from the views, thoughts, and opinions expressed by our great teachers.

Any updates in the present context may please be verified ■

Strategic Approach to Modern Organization in Petroleum Industry:

Value Shop, Chain & Network for Cost Leadership & Differentiation



Sandeep
Chief Manager
Non - Domestic Sales
HPCL

Dynamic external environment always forces modern organization to remain responsive to external environment for retaining and sustaining competitive edge. In 1980s in his seminal work Michael Eugene Porter writes that “Competitive advantage grows out of value a firm is able to create for its buyers that exceeds the firm's cost of creating it. Value is what buyers are willing to pay, and superior value stems from offering lower prices than competitors for equivalent benefits or providing unique benefits that more than offset a higher price. There are two basic types of competitive advantage: cost leadership and differentiation.”

Therefore as per Michael Porter there are just two generic strategies for competitive advantages 1. Cost Leadership 2. Differentiation. Organizations develop competitive advantage with either of these strategies or combination of these strategies only. In 1985 Porter developed Value Chain model which refers to flow of all the linear activities in transformation of input into final marketable output. How the organizations develop cost

leadership or differentiation is reflected by studying their value chain which shall establish the mode of creation of cost leadership or differentiation.

However, with emergence of knowledge economy and service industry the concept of linear value chain is losing relevance. In 1998 Charles B. Stabell and Øystein D. Fjeldstad of Norwegian School in their paper “Configuring Value For Competitive Advantage: On Chains, Shops, And Networks” propounded the concept of chain, shop and network for attaining strategic advantage. The concept of value network has come to be more popularized in different forms as strategy for creation of value. Rafal Ramirez also wrote about “Value co-production” through networking in his paper in 1999.

The assertion of Michael Porter with respect to cost leadership or differentiation being only strategies has not nevertheless lost its relevance even with value shop and value network.

The concept of network has on the other hand redefined the concept of industry itself; now differentiation also not only tends to encompass the differentiation of

products in similar industry but also includes differentiation by encompassing multiplicity of industries. For instance “iPhone” by Apple could be example which combined mobile phone, camera, music instrument and computer to create a differentiation in mobile phone industry and command a price premium that was previously unthinkable.

Value network as a management concept has also evolved into networking of customers for creation of value, networking of value chain for creation of value and networking of customers and suppliers to create the value. These can be exemplified in following examples.

- Value network by linking best manufacturers of components e.g. Toyota.
- Value network by linking customers in telecom industry.
- Value network by linking suppliers and customers with linked needs. Make my trip, Policy Bazar etc.
- Value network by linking customers and scattered suppliers UBER/OLA & Amazon etc.
- Banking & Insurance industry by combining customers with complimentary needs.

Modern business will continue to throw unique challenges in a highly dynamic external environment. It is for management to develop the depth of knowledge, sagacity, response mechanism, organizational culture and infrastructure to capture the signals and respond to them continuously and continually and create cost leadership and/or differentiation in their offerings for strategic advantage of organization.

The companies in petroleum industry too can benefit from understanding, awareness and application of these concepts. Value Shop concepts remind the organizations to develop “Core Competence”(C.K. Prahalad & Gary Hamel) in core areas like upstream & keep track of emerging external environment which requires diagnostic approach to emerging environment and challenges such environment poses. Therefore, value shop is continuous and continual diagnostic process to prepare the organization for changes to be responded to and develop a diagnosis to get either cost advantage or differentiation.

Chain, Shop & Network in Petroleum Industry

Petroleum industry is unique because at different streams of value chain all three concepts apply to it in substantially varying degree. For instance value shop at exploration stage, value chain at refining stage and value network at distribution stage.

Network creates value by following generic functions

- It improves efficiency and reduces cost by better capacity utilization as UBER/OLA did

Petroleum industry is on the verge of paradigm shift and transformation in view of emerging technological changes in renewables. The process may be time consuming, but direction of transition is indubitable. The management of these companies has to navigate the companies towards transformation of consumer energy preference which shall again be dictated by cost consideration and differentiation in satisfying energy needs.

by reduction of inefficiency with better capacity utilization of cars in round trips and reduced costs and then improved offering by differentiation with newer air conditioned cars.

- It provides differentiation with higher specialization by utilization of core competencies available outside organizations.
- It takes advantage of entrepreneurial spirit of individuals driven by passion through collaboration.

In its product offering wherever the organizations do not have

core competence to create cost leadership or differentiation, the organization should network in supply chain for collaborative relationships.

- These generic value creation processes if replicated in petroleum industry by networking can create value for organization by :

- Networking with organization in similar activities improves capacity utilization e.g. business agreements like hospitality agreement of oil marketing companies for sharing operational infrastructure improve capacity utilization and improve profitability of each installation.

- To create differentiation in services and improve footfalls, networking with organizations offering different products or services is desirable.

- To get the strategic advantage in cost and differentiation core competence in complete value chain is the key, Indian companies should network with companies like Aramco, Rosneft etc. for crude supplies, and companies like Schlumberger for exploration.

- For new fields like shale oil/gas technology the small startups with proven record in technologically advanced country like USA should be identified and equity stake in such companies may be taken for collaborative action.

Conclusion

Petroleum industry is on the verge of paradigm shift and transformation in view of emerging technological changes in renewables. The process may be time consuming, but direction

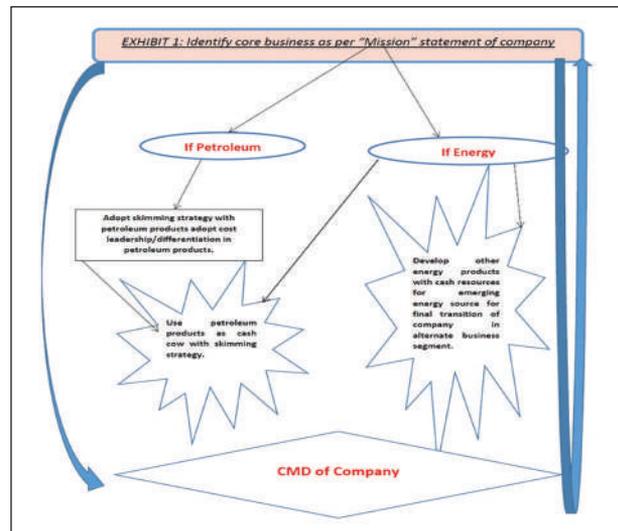
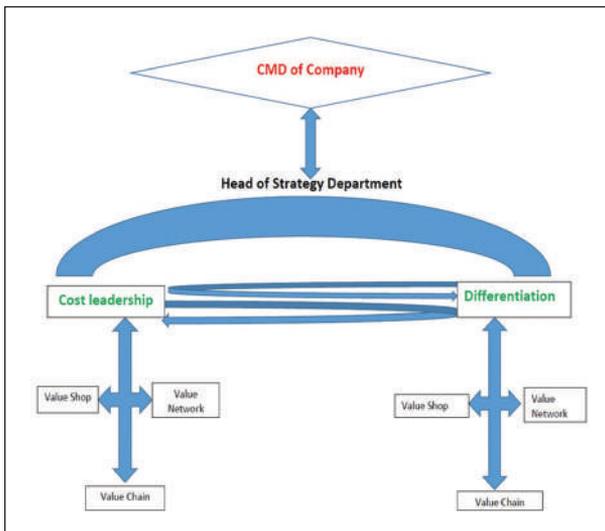


of transition is indubitable. The management of these companies has to navigate the companies towards transformation of consumer energy preference which shall again be dictated by cost consideration and differentiation

in satisfying energy needs. The petroleum companies need to structure their strategy departments with conscious and active objectives to create cost leadership and differentiation in their core business and transition to

future to develop core competencies for getting advantage of cost and differentiation in developing energy sources.

Accordingly, the strategic structure as per Exhibit 1 is suggested



Yoga: A Miracle for Healthy Heart and World Peace



Dr. H.K. Chopra*

Exercise is beneficial in natural environment

Your exercise session contains three phases: warm up phase, exercise phase and cool down phase. The warm up phase is for five to ten minutes. This helps to make transition from anaerobic to aerobic metabolism. During this time you gradually increase your heart rate and blood pressure and body temperature to help to avoid injuries and muscles soreness. Start your warm up with gentle stretching of muscle you plan to use. For example the leg muscles if you are not going to walk. This followed by exercise phase of 20 to 30 minutes of aerobic exercise of your choice. This followed by cool-down phase of five to ten minutes. Cool-down phase is at least as important as warm up phase. During aerobic exercise, your blood vessels begin to dilate in order to supply more blood to your muscles. The cool down phase allows time for your blood vessels and your heart to resume their normal state.

Mechanism of Benefits of Exercise

By heart friendly exercises there is a liberation of endogenous opiates called endorphin, which gives a feeling of tranquility in mind. It also helps in skeleton muscles relaxation thereby dilating blood vessels including capillaries thus increasing the microcirculation. It also enhances the developments of collaterals in heart, brain and elsewhere in the body, thus helping in enhancing the circulation. It increases the levels of various vasodilators such as prostaglandins I, nitric oxides and reduce the levels of prostaglandins F2 alpha and norepinephrine. It prevents clotting and enhances hypocoagulation state by increasing the levels of tissue plasminogen activator, preventing aggregation and adhesion of platelets. It also increases the deformability of red blood cells, thus help enhancing microcirculation.

Increases good cholesterol such as high-density lipoprotein (HDL) and decreases bad cholesterol

such as total cholesterol, low-density lipoprotein (LDL) and very low-density lipoprotein (VLDL) and triglycerides, thus preventing hardening of the arteries. It improves the joints flexibility, bone density, muscle tone, skin elasticity, metabolism, liberation of various hormones including cortisol, growth hormone, thyroid hormones, insulin, glucagon, sex hormones etc. Approximately 100 calories are burned off per mile, whether the mile is covered by brisk walk (wagging) or jogging. Those who exercise, they live longer. It has been reported by Dr. Ralph Paffenbarger of Stanford University. Exercising for 30 minutes a day is enough just to live longer if we chose to do more exercise then do it because you enjoy it is not necessary requirement to live longer.

Health and Fitness are not the same

Exercise will make you fit, but fitness and health are not synonymous. Exercise alone is not

*Sr. Consultant Cardiologist, Medanta Moolchand Heart Institute, New Delhi, President, World Wellness Foundation, WWF WHA, Country Head, American Heart Association

First part of this article was published in June 2021 issue.



enough to make you healthy. In order to achieve perfect health exercise is essential part of comprehensive lifestyle program. "Fitness" refers to your level of conditioning and training effect. The best and the simplest way to assess your fitness is to know that how long does it take for your heart rate to return to normal after vigorous exercise. The sooner your pulse returns to its usual resting rate, the more fit you are. Another measure of your fitness is your resting pulse rate – slower is the resting pulse rate, more fit you are. You can also measure your fitness by knowing how long and how far you can exercise.

Pre Requisites for Exercise Protocol

The exercise protocol has to be individualistic depending on the mind body type of an individual such as vat, pit and kaph dominance and age of individual and the status of the heart, and any such disability such as obesity or osteoarthritis or osteoporosis

or neuromuscular disorders etc. The formula, which is, commonly used for the exercise protocol in normal individual is to advocate exercises in such a manner that they can achieve 85% of maximum heart rate at peak exercise. This can be calculated by $220 - \text{age}$ of the individual for example if a man is 40 years old then his predicted maximum heart rate will be 180 and he may achieve 85% of 180 that is heart rate of 154 per minute. Before subjecting any individual to treadmill exercise or any such strenuous exercise we should ascertain the effort tolerance and evaluate the limitation rendered by any disability such as osteoarthritis, peripheral vascular disease, obesity, chronic obstructive airway disease or any such neuromuscular disorder. The exercise should be in an environment with optimum temperature and not extremes of cold or extremes of heat, with no pollution. The ambiance of natural environment such as an open park with lush green environment and no noise pollution enliven prana,

tejas and ojas. The individual who have heart ailments or hypertension or diabetes or had any such interventions such as pacemaker implantation or AICD (automatic intra cardiac device) implantation, after valve replacement or CABG or PTCA with/without stenting should have there exercise protocol recommended by the doctor concern. Exercise such as walking, bicycling are excellent for most of the people.

Benefits of Exercise

The benefits of regular moderate exercise cannot be over emphasized. Moderate regular exercise has both immediate and long term benefits for promoting healthy mind and body relationship. The health and endurance of our heart and lungs are built up by repeated regular aerobic exercises (heart friendly) of moderate intensity. This involves rhythmic contraction of large muscle groups during which the circulatory and respiratory systems maintain blood and oxygen

delivery to the exercising muscles, including the muscles of the heart. The heart friendly exercise such as walking, jogging, swimming and bicycling, dancing and skipping are the best exercise for the muscles, joints and heart. These exercises don't build muscles mass unlike heart unfriendly exercises (anaerobic) such as push-ups and weight lifting which build muscles. It has been shown recently by various research workers that moderate regular exercise can release most powerful morphin like brain chemicals known as endorphins which are responsible for feeling of happiness, well-being and tranquility of mind. Moderate regular exercise also reduces bad cholesterol such as low density lipoproteins (LDL), triglycerides, total cholesterol, improves cholesterol/HDL ratio, increases good cholesterol such as HDL (high density of lipoproteins), reduce peripheral vascular resistance, improves microcirculation, reduces blood coagulability by increasing the levels of endogenous tissue plasminogen activators and prostaglandins such as PGI and reducing prostaglandin F2 alpha. Moderate regular exercise increases the cardiac output (the amount of blood pumped by the heart each contraction).

26 Benefits of regular exercise:

- Healthy Heart – Reduces the risk of heart attack.
- Reduce Blood Pressure.
- Decrease formation of blood clots.
- Healthy Brain – Reduces the risk of strokes.
- Healthy Lung – Improve the lung compliance.
- Healthy Bones – Prevent

osteoporosis.

- Healthy Muscles – By improving muscle tone.
- Healthy Joints – By improving flexibility.
- Healthy Mind – By improving feeling of well-being, self confidence, enhancing the will power, tranquility of mind with dynamism.
- Healthy cholesterol – By increasing Good Cholesterol - HDL (High Density Lipoprotein) and decreasing Bad Cholesterol LDL (Low Density Lipoprotein) and TG (Triglycerides).
- Healthy sex – improves sexual performance, by improving circulation in the pelvic region and increase feeling of vitality.
- Healthy appetite.
- Perfect digestion.
- Perfect sleep.
- Prevents, reverses and regresses aging.
- Enhances fitness.
- Enhances stress management potential.
- Improves relationships with friends and family.
- Enhances productivity.
- Enhances physical, mental, social, spiritual and environmental well-being.
- Improves endurance.
- Improves stamina.
- Enhances the neovascularization.
- Enhances collateral circulation.
- Enhances the number of mitochondria.
- Reduces Body fat.

Hazards of not exercising

There is a nice ancient saying

“Use it or lose it”. This holds true for our physical body and as well as our mental capacities. Exercise has direct impact on our physical or mental health. It was well documented in one of the study of London that heart attacks are more amongst bus drivers as compared to bus conductors, postmasters as compared to postman. The incident of heart attack is reduce by 50% by those who exercise regularly and mortality reduce by 30% were engaged in regular moderate exercise program. Sedentary habits and lack of exercise give rise to a new emerging syndrome throughout the world called as – Metabolic syndrome, Cardiac Metabolic syndrome (syndrome X), Insulin Resistance Syndrome, Reaven's syndrome, Deadly Quartet Syndrome, Civilization Syndrome, New World Syndrome, CHAOS Syndrome as per ATP III and WHO, this syndrome has high mobility and mortality due to faulty lifestyle specially lack of exercise and faulty eating habits. This syndrome is characterize by Pot Belly where abdominal girth is more than 40" in men and more than 36" in women, levels of triglycerides are more than 150 mg%, HDL less than 50 mg%, in women and less than 40 mg% in men Glucose intolerance and hypertension. It may also be associated with increased levels of uric acid, polycystic ovaries, Insulin Resistance and Endothelial dysfunction etc. When healthy men were assigned to bed rest for few weeks as an experiment, it was noticed that they suffered rapid deterioration of their cardiovascular and respiratory functions.

21 risks of not exercising:

- Obesity.

- Premature Heart attacks.
- Premature High blood pressure.
- Premature Diabetes.
- Premature strokes (paralysis).
- High bad cholesterol such as high LDL, TG etc.
- Low good cholesterol (HDL).
- Polycystic ovaries.
- Osteoporosis (low bone density, increasing tendency for bone fracture).
- Osteoarthritis (joints stiffness).
- Muscles stiffness.
- Ligaments stiffness.
- Lack of vitality.
- Tendency for deep vein thrombosis (DVT), which can lead to a potentially lethal disease – pulmonary embolism.
- Insulin Resistance.
- Glucose intolerance.
- Abnormalities in Carbohydrate fat and lipid metabolism.
- Increase tendency towards potentially fatal cardiac metabolic syndrome.
- Premature atherosclerosis (Hardening of the arteries)
- Impotency.
- Low productivity, more depression, low self-esteem etc.

Hazards of unaccustomed exercise

Unaccustomed Exercise or Excessive physical training is Hazardous as it gives rise to higher incidence of arthritis, hypertension, heart attacks and sudden cardiac death. In USA professional athletes don't live as long as an average American. The life expectancy on an average in football player is somewhere in

late fifties as compared to average American which in the late seventies. Sudden deaths are well documented while doing strenuous exercise or unaccustomed exercise. Dr. Paul Thompson reported that one death per year occurred in every 7,620 joggers. Death rate during jogging was estimated seven times more than during sedentary activities. The risk of sudden death was particularly high for men who were unaccustomed to physical activity. Moderate exercise, like walking helps protect against the risk of sudden cardiac death or risk of injury. Over exercising create lots of health hazard. Unaccustomed exercise such as starting jogging protocol for the first time after the age thirty, pushing a car, participating in vigorous exercise program, changing wheels of a car, exercising in extremes of weather are hazardous. The recommendation is one should exercise in a moderate manner right from the childhood, boy or girl, man or woman, young or old, everyone should exercise according to the need and recommendations and not in an unaccustomed manner. Optimum exercise may help you to be healthier, happier and more dynamic in life.

Exercise in 18 special situations

- **Exercise and smoking** – Smoking after exercise or exercise after smoking both are harmful. Smoking reduces blood's oxygen carrying capacity and narrows coronary arteries, which supply blood to the heart. Thus may lead to angina (chest pain) or may precipitate heart attack.
- **Exercise and alcohol** – Alcohol after exercise or exercise after alcohol consumption are

hazardous. It may precipitate heart arrhythmias or accelerate hypertension.

- **Exercise and hot weather** – Extremely hot weather greatly reduces your exercise tolerance and may produce heat cramps, dehydration and heat stroke. This is to when it is humid because humidity makes your body difficult to cool itself as sweating, evaporates less readily. It is therefore recommended to exercise for a very short duration with less intensity and allow your body more time to warm and cool down and drink more fluids preferably water before during and after exercise to ensure efficient body's cooling system.
- **Exercise and cold weather** – In cold weather the arteries (blood channels) narrows thereby increase workload on the heart, it may precipitate angina (heart pain), heart attack or accelerate hypertension. Cold weather may also cause frostbite or hypothermia. You must wear a hat and gloves to protect yourself.
- **After illness** – Avoid exercising when you are ill especially when you have fever. Exercise may exacerbate the illness. Start exercises only when you are completely recovered.
- **Exercise and high altitude** – Higher you go, less oxygen is available to breathe. Individuals with incipient coronary artery disease may experience angina (chest pain) while exercise at high altitude. It is therefore recommended to decrease both intensity and duration of exercise at high altitude. If you want to exercise above 8 thousand feet please consult your doctor first.
- **Exercise after meals** – Heavy

meal diverts blood toward the stomach for digestion of the food. If you exercise after heavy meal it may precipitate angina, as the blood supply to the heart is already less. It is therefore recommended not to exercise after meals.

- **Exercise and fatigue** – Don't over exercise upto the level of fatigue. It may adversely strain your heart.
- **Injuries and other warning signs** – Exercise with awareness listen to your body before/ during after exercise. If you experience dizziness, giddiness, blackout, unexplained inappropriate heavy sweating, unusual shortness of breath or choking, feeling of palpitation or "Missed Beats", chest pain or pain in the arms, jaw or back during exercise then take rest and consult your doctor.
- **Exercise after heart attack**, PTCA, CABG, Pacemaker implantation, AICD implantation. A cardiologist should recommend exercise protocol. Similarly exercise after orthopedic injury or paralysis should be recommended by the specialist concern.
- **Exercise and medication** – Exercise when the drug levels are constant and at their peak levels to avoid undue strain over the heart.
- **Exercise and diabetes** – Physical activity has insulin like effect on the body. Therefore one should be aware of hypoglycemic symptoms (low blood sugar) during exercise and immediately afterwards. These hypoglycemic symptoms may be dizziness, hunger and weakness. Therefore it is recommended that you should

monitor your blood sugar before and after activity and modify your insulin dose accordingly. Avoid exercising at times of peak insulin response.

- **Exercise and hypertension** – Although exercise raise your blood pressure while you exercise, however regular exercise lower your blood pressure rest of a time. Regular exercise helps prevent high blood pressure. Blood pressure medications some times alter individual's blood pressure response to exercise.
- **Blood pressure and COPD** – Individuals with COPD (chronic obstructive pulmonary disease) should be screened by lung specialist before beginning an exercise program.
- **Exercise and arthritis** – If you have osteoarthritis, avoid any exercise that produces excessive stress on your affected joints. However exercise is important to increase and maintain flexibility, range of motion and strength in a joint. You can do only aerobic exercises and break it into smaller segments.
- **Peripheral vascular disease** – Individuals who have peripheral vascular disease must have daily activities because they develop leg pains (claudication) during exercise. Regular aerobic exercise will often help to increase the time they can exercise before getting claudication. You may do aerobic exercise for 20 – 30 minutes such as cycling, swimming or walking at a slow pace.
- **Exercise and spine problem** – If you have cervical spondylosis or cervical disc prolapse then don't indulge in vigorous neck movement exercise or

strenuous flexion and extension exercises of neck. It may aggravate giddiness. Yoga postures cannot be practiced by every individual. Therefore, skilled yoga teacher from a yoga academy should be utilized for health friendly yoga postures on individual basis. Indiscriminate use of yoga posture may be hazardous. One should use thin pillows. If you have lumbar spondylosis or lumbar disc prolapse then do not indulge in jogging or forward or backward or sideward spine movement exercises. Do not travel in any vehicle which produces jerky moment and strain in the spine.

- **Exercise and knee problem** – If you have significant osteoarthritis of the knee joint then cycling is a good exercise for you and avoid strenuous knee exercises.

The Yoga asanas are excellent form of stretching exercises, which tones up the muscles. The bending and stretching provides a kind of internal massage, which improves the functioning of vital organs and also produce the feeling of tranquility of mind. Besides Yoga asanas, regular meditation, dietary optimization with more fruits, vegetables, nuts, milk and milk products, regular massage with optimize oil are excellent for health and longevity.

Live longer and live younger with regular yogic practices and create productivity, development and world peace.

"Path of Yoga, is Path to Healthy Heart

Path to Healthy heart, is Path to Moksha and Nirvana". ■

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

Mr. Shubh Ratna

GM (Tech.& HR)

Mob: 9873398242

Email: shubhratna@scopeonline.in

Mr. Nitin Kulshrestha

Dy. Manager (Tech. & HR)

Mob: 9313989067

Email: nitin@scopeonline.in

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

Mr. Shubh Ratna

GM (Tech. & HR)

Mob: 9873398242

Email: shubhratna@scopeonline.in

Mr. Gopal Krishna Bharti

Asst. Manager (Tech.) SCOPE Minar,

Mob: 9717564689

Email: scope.convention@scopeonline.in

gopal@scopeonline.in

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.



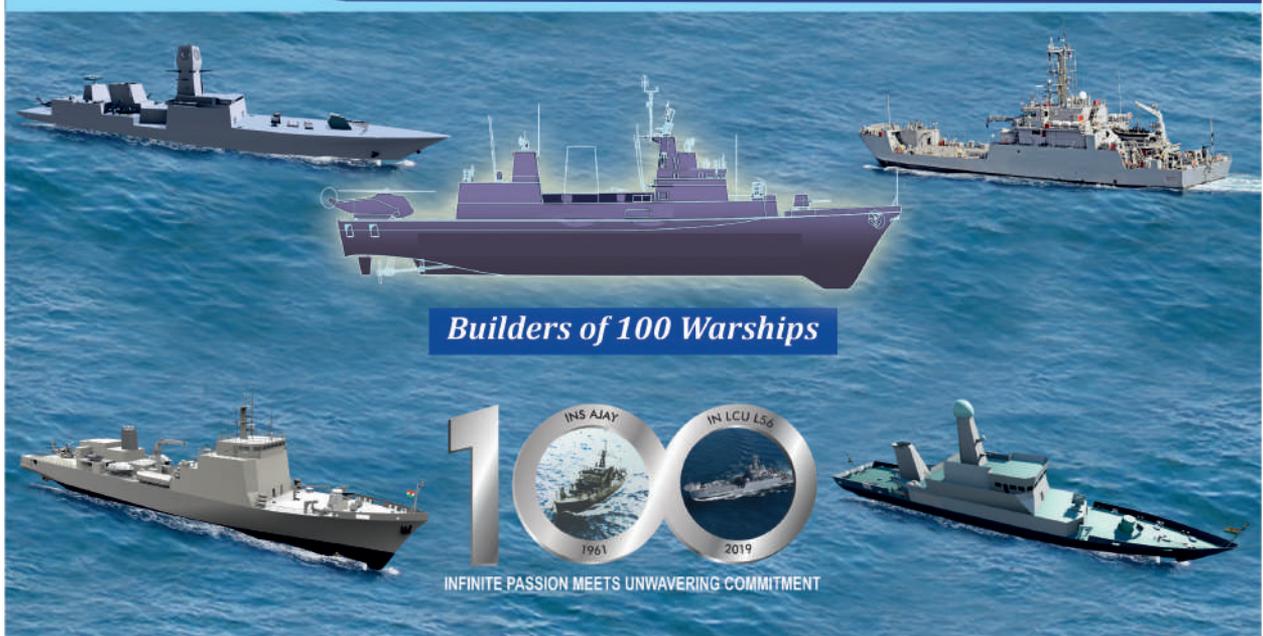
गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
Garden Reach Shipbuilders & Engineers Ltd.



(A Govt. of India Undertaking)

43/46, Garden Reach Road, Kolkata-700 024

Tel : +91-33-2469 8100 to 8113, Fax : +91-33-2469 8150, Website : www.grse.in



Builders of 100 Warships

100
 INFINITE PASSION MEETS UNWAVERING COMMITMENT

WARSHIPS

Stealth Frigates • ASW Corvettes • Missile Corvettes • Landing Ships • Survey Vessels
 Landing Craft Utility • Offshore Patrol Vessels • ASWSWC • Fast Attack Crafts

ENGINEERING PRODUCTS

Pre-Fabricated Steel Bridges • Railless Helo Traversing System
 • Boat Davits • Capstans • Anchor Windlass

For Further Information Please Contact

Deputy General Manager (CP & CC)

Tel: 033-2469 1177, Ext. : 311 ★ Fax: 033-2489 3424 ★ E-mail: SenRoy.Swagata@grse.co.in



In Pursuit of Excellence & Quality in Shipbuilding

IREDA organizes webinar on World Environment Day



Mr. Pradip Kumar Das, CMD, IREDA (on left top) addressing the webinar in the presence of other dignitaries

As a part of World Environment Day celebration, Indian Renewable Energy Development Agency Ltd. (IREDA) organized a webinar on 'Digital Platform for Bioenergy Supply Chain' for all its employees. The session was conducted by Mr. Suhas Baxi, Co-Founder, BiofuelCircle.com- an online marketplace for biomass and biofuels, engaged in creating a reliable and sustainable supply chain for bioenergy.

Mr. Suhas Baxi emphasized on challenges and opportunities faced by the Bioenergy sector. He further introduced all IREDA officials to the cloud based digital ecosystem developed for bioenergy supply chain that connects Rural & Industrial economies. The platform allows to discover,

buy, sell, transport, settle transactions for biomass and biofuel using Web / Mobile Application. The webinar was also joined by senior officials from MNRE, SECI, PRESPL and BiofuelCircle.

Addressing the participants, Lt. Col. Monish Ahuja (Retd.), MD, PRESPL said that PRESPL has been working closely with IREDA for the past 5-6 years. He further added that PRESPL is committed to creating a transparent platform for bio sector stakeholders. MNRE and GIZ have concluded a study on Biofuel platform.

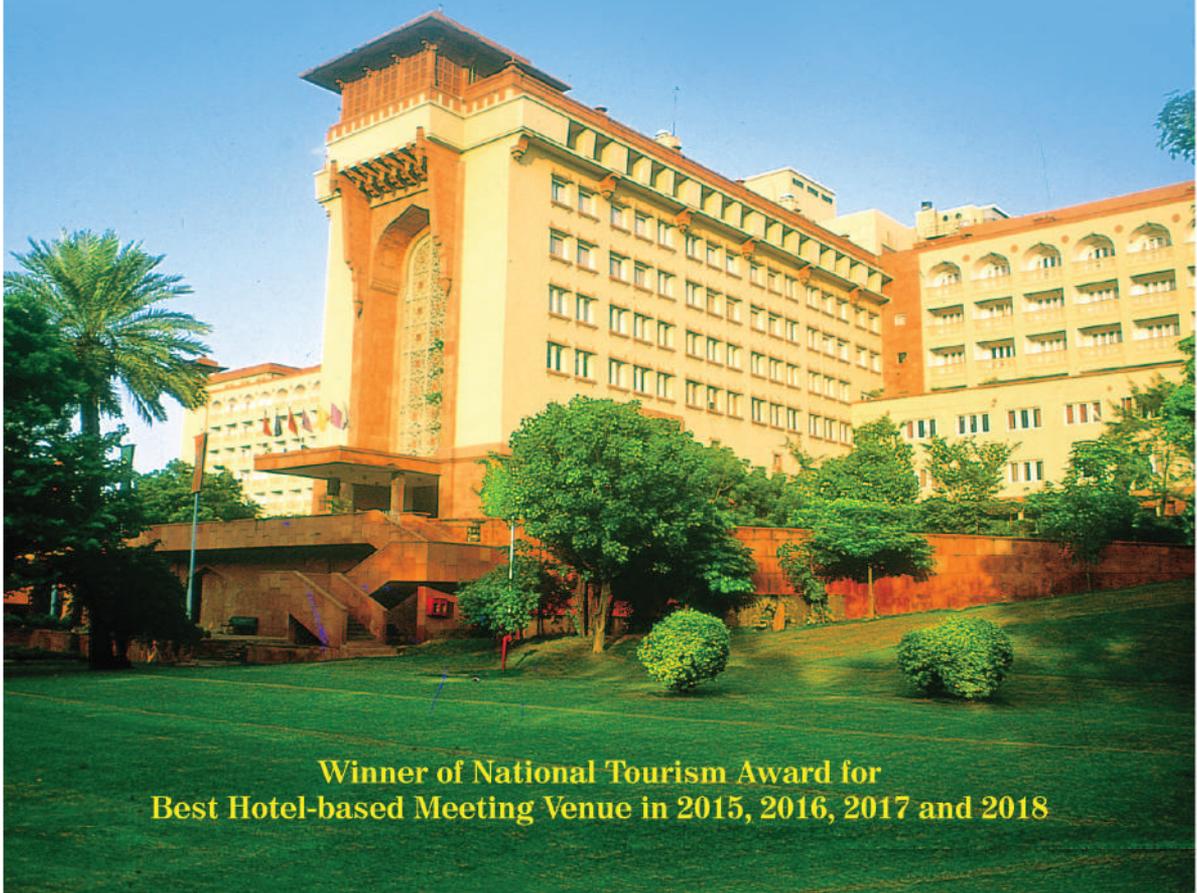
On the occasion of World Environment Day, Mr. Pradip Kumar Das, CMD, IREDA extended his wishes to all the participants and reaffirm that IREDA is committed for sustainable development of the country through

financing the Renewable Energy and Energy Efficiency projects. Further, he underlined that India's Bio-Energy sector is experiencing a transition from unorganized to organized sector and IREDA will try to fulfil the financing requirement of the sector. Mr. Das also highlighted that IREDA has introduced several innovative financing schemes and products in last one year to improve the business environment for clean energy sector and the company will continue to play the leading role for development of RE sector. Mr. Chintan Shah, Director (Technical), IREDA appreciated BiofuelCircle for creating India's first online Marketplace for Biofuels and Biomass and mentioned that such initiatives are the need of the hour. ■



Make your experience unforgettable with
Hotel The Ashok
(a perfect blend of heritage and luxury)

Preferred destination for Meetings, Exhibitions, Conferences & Social Functions



**Winner of National Tourism Award for
Best Hotel-based Meeting Venue in 2015, 2016, 2017 and 2018**



India Tourism Development Corporation Ltd.

(One stop solution for all your travel, tourism and hospitality needs)

Visit us at www.itdc.co.in or email us at sales@itdc.co.in



BEML starts manufacturing **Oxygen Generating Units**

**** An effort towards managing the 2nd wave of the pandemic ****



BEML Officials who were involved in commissioning.

BEML has always been at the forefront when it comes to dealing with national crisis. The COVID-19 pandemic has adversely affected every sphere of life. In the wake of this 2nd wave of COVID pandemic and to mitigate the oxygen shortages in the country for COVID patients, BEML has successfully started manufacturing 960 LPM Medical Oxygen Plants at its KGF complex in record time under a ToT agreement with M/s. Defence Bio-Engineering & Electro Medical Laboratory (DEBEL), Bengaluru under DRDO.

The first set of Medical Oxygen Plant has been rolled out and is being delivered to Koppal Institute of Medical Sciences, Koppal. BEML has received orders for 100 nos. from M/s DEBEL in May 21, under 'PM CARES' Fund and the same is expected to be supplied by end July 2021.

In co-ordination with District Level Medical Authorities, BEML

is also establishing a 960 LPM Capacity Medical Oxygen Plant in one of the designated hospitals in Karnataka, under CSR.

BEML's Initiatives to Fight COVID

BEML is making dedicated efforts to extend all possible assistance to the Govt. bodies, Medical units and front-line workers apart from taking care of employees and their families in combating this pandemic. The Company contributed Rs. 50 lakhs to DRDO towards opening of a 500 bedded Hospital for COVID Patients.

To provide immediate medical attention, the Company has set up COVID Care Centers at its KGF and Bangalore Complexes. Fever Clinic have also been established for examining the suspected COVID cases at KGF Complex. To boost the government's effort in vaccination, BEML has conducted Vaccination camps at BEML's KGF, Bangalore

& Mysore Complexes through Medical staffs in coordination with DHOs for the employees, their dependent family members, retired employees, contract workers and others. So far total 3174 employees, executives and contract workers have been vaccinated through this drive, which is more than 55% of the staffs in the age group of 45 years and above. The vaccination for the employees of below 45 years of age also has been started.



Oxygen Generating Unit.

Various initiatives such as distribution of Food, medicines, masks, food provisions etc. and massive awareness campaigns are organized with the involvement of stakeholders and local authorities to demonstrate its commitment towards employees and local public. The Company has tied up with many Major Hospitals including testing Labs across the country. Particularly, majority of the High standard Hospitals available in Bangalore are recognized by the Company to provide critical medical care to its employees and dependents. ■



When we make steel strong,
We make the nation strong.

MOIL-India's Largest Manganese Ore Producer



MOIL LIMITED
(A Government of India Enterprise)
Adding **Strength** to Steel

" Moil Bhavan" , 14 A, Katol Road, Nagpur-440 013 Ph. : 0712 - 2806100 Web : www.moil.nic.in



Power Finance Corporation logs highest ever net profit of Rs 8,444 cr for FY 21, up 49% on Y-o-Y basis

Power Finance Corporation (PFC) has recorded highest ever net profit of Rs. 8,444 cr for FY 21, up 49% on Y-o-Y basis.

Standalone

- Highest Annual PAT of Rs. 8,444 cr.
- 49% jump in standalone Profit after tax from FY '20 . PAT at Rs. 8,444 cr. for FY'21. vs Rs. 5,655 cr. in FY '20.
- 28% increase in Net Interest Income from FY'20–Net Interest Income at Rs. 12,951 cr. for FY'21 vs. Rs. 10,097 cr. in FY '20.
- Dividend of Rs. 2 declared per share. Thus, in FY 21, PFC has given a total dividend of Rs. 10 per share i.e. 100%.
- Aided by profit growth, PFC's net worth for FY 21 is up by 16% to Rs.52,393 cr. and has crossed the fifty thousand mark.
- 25% Stressed Book Resolved in FY 21:
 - Gross NPA ratio saw a sharp reduction of 238 bps from FY'20. The current GNPA ratio is at 5.70% against 8.08% in FY'20.
 - Lowest Net NPA levels in past 4 years. Net NPA ratio saw a sharp reduction of 171 bps from FY'20. The current Net NPA

ratio is at 2.09% against 3.80% in FY'20.

- The Capital Adequacy Ratio of the Company has also improved sequentially to 18.83% as on 31st March 2021. The capital adequacy is at a comfortable level with sufficient cushion over & above the prescribed regulatory limits.

Consolidated

FY'21 Vs FY'20

- 66% increase in consolidated Profit after tax from FY'20 - PAT at Rs. 15,716 cr. for FY'21 vs. Rs.9,477cr. for FY'20.
- Loan Asset book grows at 12% - Loan asset book for FY 21 at Rs. 7,45,189 cr. vs. Rs. 6,67,330 cr. in FY'20.
- Reduction in consolidated net NPA ratio to 1.91% in FY 21 from 3.57% in FY'20 due to resolution of stressed assets.
- Reduction in consolidated Gross NPA ratio to 5.29% in FY 21 from 7.36% in FY'20 due to resolution of stressed assets.

Liquidity support to Discoms under Aatma Nirbhar Bharat Abhiyaan

- Under the Aatma Nirbhar Discoms liquidity support

announced by the GoI, PFC & its subsidiary REC combined together, have so far sanctioned Rs. 1,34,782 cr. and disbursed Rs. 78,855 cr.

Management Comments

- Mr. R.S. Dhillon, CMD Remarks - PFC's CMD commented that I am extremely pleased with our FY 21 results despite the many headwinds faced during the year. The impressive performance in FY 21 as is evident from the highest ever profit, underlines the inherent strengths of PFC in handling adverse economic events. Going forward also, we are committed to deliver long-term value to our shareholders.
- Ms. Parminder Chopra, Director (Finance) Remarks - PFC's Director (Finance) commented that I am happy to say that PFC has stayed profitable in each quarter of the FY 21 despite the COVID pandemic. Even in an incredibly challenging year, PFC has delivered remarkable results & remains well capitalized, well provisioned & highly liquid with a strong balance sheet. Given, PFC's strong fundamentals, we remain optimistic on delivering such performance in future also. ■

<p>Citizen 1</p> 	<p>Citizen 2</p> 
<p>Citizen 3</p> 	<p>Citizen 15</p> 
<p>Citizen 1</p> <p>Oh this city is so dirty!</p>  <p>Don't be the 1st to start Littering</p>	
<p>Stop littering and keep public places clean</p> <p>Issued in public interest by</p> 	



PSEs CSR Activities

OIL supports augmentation of health infrastructure under its CSR to fight second wave of COVID-19 pandemic



Mr. Satish Chandra Mishra, CMD, OIL handing over cheque to Dr. Himanta Biswas Sarma, Chief Minister of Assam in the presence of dignitaries.

Oil India Limited (OIL) has contributed in a big way in the fight against COVID 19 by supporting in augmentation of health infrastructure due to surge of second wave of the pandemic. OIL once again rises to the occasion to combat COVID 19 by contributing Rs 5 crore under CSR to Chief Minister's Relief Fund, Assam. The amount also includes voluntary contribution of one day's salary by the employees of the company to support the government in combating this crisis. The cheque was ceremoniously handed over to Dr. Himanta Biswa Sarma, Chief Minister of Assam by Mr. Sushil Chandra Mishra, CMD, OIL in the presence of Mr. Chandra Mohan Patowary, Minister, Industries and Commerce, Ms. Ajanta Neog, Minister, Finance, Mr. Atul Bora, Minister, Agriculture and Veterinary, Mr. S. K. Barua, MD, NRL, Mr. Harish Madhav, Director (Finance), OIL, Mr. Prasanta Borkakoty, RCE, OIL and other senior officials of OIL and Government of Assam at the Assam Administrative Staff College, Guwahati.

Chief Minister, Dr Sarma, lauded OIL for its contribution towards the drive to fight against the pandemic of COVID-19. While thanking OIL's employees for contributing one day's salary to CM relief

Fund, Dr. Sarma further stated that OIL is not only energizing Assam's growth trajectory, but they are also contributing to ensure state's good health in the time of COVID-19 crisis. He also added that he is very confident that OIL and Assam Government partnership on various areas will help in the development of the state and the petroleum industry in Assam. While ensuring continuous supply of energy to the nation, OIL also contributed towards various state governments to fight against the pandemic. OIL has invested around Rs 52 crore (inclusive of Rs 5 crore to CM Relief Fund, Assam) towards augmentation of health infrastructure during the second wave of the pandemic.

Amid the escalating scare of the pandemic, OIL maintained its operations round the clock to ensure uninterrupted supply of crude oil and natural gas. As an industry under essential service, OIL with the help of Department of Health & Family Welfare ensured that all its employees across its various offices in India are vaccinated. The company also facilitated the Government in conducting testing as well as vaccination camps with the help of the company's team of paramedics and doctors. Continuing its essential operations, the company has also ensured compliance of the government protocols like maintaining social distancing, personal hygiene, work-from-home, etc.

NLCIL extends Support to District Administration, Cuddalore, Hands over 10 BLS Ambulances to meet COVID Exigencies

Continuing its efforts to render every possible support to the District Authorities, through various measures to meet the COVID-19 challenge, NLCIL, Neyveli handed over 10 nos of Basic Life Support (BLS) Ambulances to the District Administration, Cuddalore, Tamil Nadu. At the request of the District Administration, Cuddalore, these hired Ambulances have been made available, for a period of three months, on a round-the-clock basis, to meet



Mr. Rakesh Kumar, CMD, NLCIL and Mr. P. Jagatheeswaran, RDO, Cuddalore, flagging off the Ambulances presented by NLCIL to the District Administration. Also seen are Mr. R. Vikraman, Mr. N.N.M. Rao, Mr. Prabhakar Chowki, Mr. Shaji John, Mr. Jaikumar Srinivasan, Functional Directors of NLCIL, Mr. N. Sadish Babu, Exe. Director (HR) and senior officials.

the present surge of COVID cases. The measure is part of NLC's CSR efforts entailing a cost of Rs 59 lakhs. In a simple function held at Corporate Office of NLCIL at Neyveli, Mr. Rakesh Kumar, CMD/ NLCIL handed over the keys of the ambulances to Mr. P. Jagatheeswaran, RDO, Cuddalore and flagged them off in the presence of Mr. R. Vikraman, Director (HR), Mr. Nadella Naga Maheswar Rao, Director (P&P), Mr. Prabhakar Chowki, Director (Mines), Mr. Shaji John, Director (Power), Mr. Jaikumar Srinivasan, Director (Finance), Mr. L. Chandrasekar, CVO, Mr. N. Sadish Babu, ED/HR, Mr. V. Ramachandran, GM/CSR and Mr. P.P. Jose, DGM/Transport, NLCIL. ■

POWERGRID provides Critical Infrastructure Support during **COVID-19 Pandemic**

Power Grid Corporation of India Limited (POWERGRID), is proactively working towards supporting and contributing in India's fight against COVID-19 by extending help to various states across the country.

Through its dedicated effort of contributing towards better healthcare facilities, POWERGRID has provided Cold Chain equipment (181 Ice Lined Refrigerators & 130 Deep Freezers) costing around Rs. 2.66 crore to the states of Punjab, Sikkim, Mizoram and UT of Ladakh under CSR. Two Insulated Vans have also been provided for facilitating COVID-19 vaccination drive in remote areas of Leh, Ladakh. For oxygen support, POWERGRID is going to establish Oxygen Generation Plants at Tau Devi Lal Stadium, Gurugram (Haryana) having capacity of 2 x 50 Nm³ per hour and at Jaisalmer (Rajasthan) having capacity of

50 Nm³ per hour. Adopting a holistic approach to confront the pandemic, a catheterisation laboratory is being set up to diagnose and treat cardiac issues by Government Rajaji Hospital, Madurai through financial assistance provided by POWERGRID which will benefit the people of Tamil Nadu.

POWERGRID helps to Restore Power to Diu after Tauktae Cyclone

Power Grid Corporation of India Limited (POWERGRID), was assigned the task of restoring 220 kV Timbdi-Dhokadva and Savarkundla - Dhokadva Transmission Lines feeding power to Diu following extensive damage due to Tauktae cyclone. POWERGRID took up the restoration on a war footing and a team of about 600 personnel including expert manpower from POWERGRID worked round-the-clock for early restoration of

the lines in which about 33 towers collapsed besides suffering other damage. POWERGRID used the Emergency Restoration System to set up eleven towers and also constructed 10 new towers restoring the 220 kV Timbdi-Dhokadva line recently. With commissioning of this line fifteen 66 kV Sub-stations of GETCO could be energized to provide reliable power supply to Diu and nearby areas. Work for restoration of the Savarkundla-Dhokadva line is currently under progress.

The Ministry of Power in a tweet said, "It's a matter of great pleasure that with the kind support of MoP, POWERGRID and all concerned, 220 kV Dhokadva substation has been charged through 220 kV Timbdi - Dhokadva line and load taken recently." POWERGRID is at the forefront in helping state utilities across the country in restoration of power transmission lines affected by natural calamities. ■



HPCL becomes first company to bring Ethanol Blended Petrol in Ladakh

In a first, HPCL brings Ethanol Blended Petrol (Gasohol) in its Leh Depot, situated at an altitude of 11500 feet in Ladakh Region. Conquering the fuel requirement at such high altitude/low temperature and duly backed by robust quality checks, HPCL has become the first Oil Marketing Company in the country to launch Ethanol Blended Petrol in Ladakh region.

HPCL's Leh depot, which was commissioned in 2018 with a total tankage of 4450 KL, is a crucial POL depot in the northernmost part of the country as it caters to the local demand and requirements of the Indian Armed Forces deployed along the borders. The depot has enough capacity to cater to the entire region during the harsh winter months, when supply to the region is not possible due to road blockages.

HPCL was also the first Oil Marketing Company of the country to start selling Ethanol blended Petrol from its Retail outlets situated in Jammu & Kashmir Region. Ethanol has become one of the major priorities of 21st century India. Focus on ethanol is

helping the cause of a better environment and is also bringing in a positive impact on the lives of farmers. Government of India has resolved to meet the target of 20 percent ethanol blending in petrol by 2025. These initiatives of HPCL will boost the efforts of our country in achieving the target of 20% ethanol blending in Petrol by 2025.

HPCL exhibits resilience - Posts Rs. 10,664 Crore profit for FY 2020-21

HPCL as an organization made every effort to serve the nation in these tumultuous times by ensuring uninterrupted supplies of essential commodities like cooking gas and transport fuels across length and breadth of the country while ensuring safety of its workforce. In this background, HPCL exhibited resilience and agility to deal with the ever-evolving and transient business landscape.

During FY 20-21, HPCL has recorded its highest ever Profit after tax (PAT) of Rs. 10,664 Crore and the Gross sales was Rs. 2,69,243. Enhanced profitability was a result of robust operational



Leh Depot

performance, improvement in refinery margins helped by inventory gains and favorable exchange rate variations. For the year 2020-21, HPCL has proposed a final dividend of Rs. 22.75 per share. The combined GRM for HPCL Refineries for FY 20-21 works out to US\$ 3.86 /bbl while the combined GRM for the quarter Jan – Mar 2021 is US\$ 8.11/bbl.

HPCL commissioned 2,158 new retail outlets which is the highest in a year taking the number of total retail outlets to 18,634. HPCL also commissioned 112 new LPG distributorships taking number of total LPG distributors to 6,192 as of 31st March, 2021.

Towards ensuring availability of alternate fuels and offering more choices to customers, CNG dispensing facilities were provided at 203 retail outlets, taking total number of outlets dispensing CNG to 674 as of March 2021.

HPCL R & D centre at Bengaluru received 44 patents during the year for the new products, technologies developed by it. HPCL is also working with 27 start-ups in various areas of its operations. ■

Ethanol in Leh.



NTPC extends support to protect the society at large from the spread of Coronavirus

NTPC has not only ensured uninterrupted power supply to the country during the second wave of COVID-19 but also has reached out to the society and has made significant effort to combat the spread of COVID-19 by enhancing medical infrastructure in different parts of the country.

While there was acute shortage of Oxygen beds across the country, NTPC came forward and developed more than 600 Oxygen beds and 1200 isolation beds in its different projects and surroundings on war footing basis in a span of one week which proved to be life saviour for many including the general public. NTPC has been working in close coordination with the state and district administration and has augmented medical infrastructure even at remote locations. Amidst the surge in COVID-19 cases specially in Delhi and NCR, NTPC stepped up its efforts and created 200 oxygen supported beds and 140 isolation beds in NCR alone which came as a big relief to COVID patients. This infrastructure in NCR which has been set up at Dadri, Noida and Badarpur has the facility of Oxygen support, COVID testing, invasive and non-invasive ventilators besides 24X7 nursing and medical care. This has been created at a cost of Rs 30 Crores. NTPC has engaged more than 40 doctors, hundreds of paramedical and supporting staff and 07 round the clock Oxygen supported Ambulances to manage

this facility. A 500 bedded hospital at a cost of Rs. 400 Crores, with state-of-the-art facility constructed by NTPC in Sundargarh, Odisha in a record time has been converted into a COVID hospital during the pandemic which is catering to lakhs of people of that area. Apart from providing various medical equipment, NTPC has augmented the facility by providing 20 ventilators which helped in treating numerous critical patients. Further, considering the demand of critical care, NTPC is providing additional 40 ventilators to this hospital. NTPC Darlipali is also providing assistance for setting up 30 ICU beds in Jharsuguda.

During the ongoing crisis, various NTPC projects has provided more than 2000 Industrial cylinders to district administrations which are being converted and used as Medical Oxygen cylinders. Sensing the expected rise in demand for oxygen, which is the only life saving gas for COVID patients, NTPC is playing a major role in creating infrastructure of Oxygen generation across the country by setting up more than 2 dozens of Oxygen Generation plants with some of them having the facility of bottling and refilling Oxygen cylinders. Out of these, 09 PSA type plants and 02 bottling plants are being set up in NCR only which will start operating from this month itself in phased wise manner. A 600 LPM PSA type Oxygen plant is being set up at CHC, Chhabra, Dist



Baran, Rajasthan at a cost of nearly one Crore for which purchase order has already been placed. The other projects of NTPC which are setting up Oxygen plants in their respective district or locality are Rihand, Unchahar in UP, Vindhyachal, Gadarwara, Khargone in MP and Darlipali in Odisha. A total of more than Rs 12 Crore is being spent by NTPC in setting up these Oxygen Generation plants.

NTPC has done its best to inoculate its employees, their dependents and other stakeholders across all NTPC plants. Till date, NTPC has vaccinated more than 70,000 people across its operations which include employees, their dependents and community people as well. Mass vaccination camps have been organised at various locations. Further, NTPC is not only targeting to vaccinate 100% of its employees, family members and associates but also has the plan to vaccinate people living in the surrounding. NTPC Darlipali is procuring 10,000 vaccines for people of its surroundings. ■



MCL celebrates World Environment Day-2021

Need to increase green cover, protect mother earth: CMD, MCL



Mr. P. K. Sinha, CMD, MCL & other senior officials on the occasion of World Environment Day.

Mr P. K. Sinha, CMD, Mahanadi Coalfields Limited (MCL) emphasised on all inclusive approach to protect the environment and increase the green cover on mother earth, as company planned for plantation of 2.7 lakh trees over 150 hectare of land in Odisha during the current financial year 2021-22.

On the occasion of World Environment Day-2021, which marks the beginning of the United Nations Decade (2021 – 2030) on Ecosystem Restoration, the CMD unfurled environment flag at company headquarters and administered an oath to senior officers present at the venue as well as others connected virtually from the

project areas in Angul, Jharsuguda and Sundergarh districts.

“With the world beginning to emerge from the COVID-19 pandemic, there is increasing recognition that healing from the pandemic is linked to healing the planet,” Mr. Sinha said in his message. Asserting that ecosystem restoration can help protect and improve livelihoods, regulate disease, reduce risk of natural disasters and contribute to the achievement of the Sustainable Development Goals by 2030, Mr. Sinha said MCL committed to protect the environment and conserve natural resources by adhering to best practices in a sustainable manner.

Mr. O. P. Singh, Director (Technical/Operations), Mr. K. R. Vasudevan, Mr. Keshav Rao, Mr. Baban Singh, Director (Tech/Projects & Planning) and Mr. P. K. Patel, Chief Vigilance Officer also joined the CMD in a plantation drive while similar activities were undertaken in the Areas.

He congratulated operations teams at MCL for achieving a rare feat of producing a record 94% percent coal i.e. more than 139 million tonne through environment-friendly mining technology Surface Miners and supplying 79% i.e. 115 million tonne dry fuel to power plants via eco-friendly rail-mode.

MCL CMD lays foundation stone for a Green annex-building

Mr. P. K. Sinha, CMD, laid the foundation stone for a Green building at Mahanadi Coalfields Limited (MCL) headquarters which will have a solar rooftop and rain water harvesting.



Mr. P. K. Sinha, CMD, MCL laying the foundation stone for a green building at MCL Headquarters with other senior officials.

The sustainable annex-building, which will be an extended part of existing HQs building, would be constructed at a cost of Rs 25.92 crore. The project, expected to be completed by October 2022, would accommodate 207 officials. After the traditional foundation stone laying ceremony, the CMD, along with Mr. O. P. Singh, Director (Technical/Operations), Mr. K. R. Vasudevan, Director (Finance), Mr. Keshav Rao, Director (Personnel), Mr. Baban Singh, Director (Technical/Projects & Planning) and Mr. P. K. Patel, Chief Vigilance of Officer, planted sapling in the premises of the upcoming complex. ■

REC declares its Annual Financial Results for Q4 and 12M FY21; Records its Highest Ever Yearly Profit at Rs. 8,362 Cr.

The Board of Directors of REC Limited approved the audited standalone and consolidated financial results for Q4 & 12M FY21.

Operational and Financial Highlights – FY21 vs FY20 (Standalone)

- **Sanctions** - Rs. 1,54,821 crore vs. Rs. 1,10,908 crore, up 40%
- **Disbursements** - Rs. 92,987 crore vs. Rs. 75,667 crore, up 23%
- **Total Income** – Rs. 35,410 crore vs. Rs. 29,829 crore, up 19%
- **Net Profit** – Rs. 8,362 crore vs. Rs. 4,886 crore, up 71%

With healthy operational performance during the quarter, the company has clocked quarterly profit of Rs. 2,070 crore during Q4 FY21, as against Rs. 436 crore during Q4 FY20. This translates to Earnings Per Share (EPS)

(non-annualized) of Rs. 10.48 for the quarter ended 31st March 2021 as against Rs. 2.21 per share during the same quarter last year.

The loan book has grown from Rs. 3.22 lakh crores as on 31st March 2020 to Rs. 3.77 lakh crores as on 31st March 2021. Aided by the profits, the Net Worth of the Company as at 31st March 2021 has reached Rs. 43,426 crore with book value at Rs. 220 per share. The Capital Adequacy Ratio of the Company has also improved-sequentially to 19.72% as on 31st March 2021 which will aid the future growth for the Company.

With sustained trend of improving asset quality, the Net Credit-impaired assets have reduced to 1.71% as on 31st March 2021, as against 3.32% as on 31st March 2020. The Provisioning Coverage Ratio of the Company has also improved to 64.59% as on 31st March 2021, as against 49.65% as on 31st March 2020.

REC's subsidiary RECPDCL hands over two (2) SPVs of Transmission Projects to M/s Power Grid Corporation of India Limited

REC Power Distribution Company Limited (RECPDCL), handed over two projects specific Special Purpose Vehicles (SPVs) 'Fatehgarh Bhadla Transco Limited' & 'Sikar New Transmission Limited' to M/s Power Grid Corporation of India Limited in the presence of CEO & Jt. CEO, RECPDCL and officials from Power Grid Corporation of India Limited. The selection of M/s Power Grid Corporation of India Limited was carried out through Tariff Based Competitive Bidding (TBCB) for selection of Transmission Developers in line with the Standard Bidding Documents and Guidelines thereof as notified by Ministry of Power, Government of India. ■

PERSONALIA



Mr. Deb Kalyan Mohanty

Director (Commercial) assumes additional charge as CMD of Rashtriya Ispat Nigam Limited.



Mr. Swapan Kumar Gorai

Director (Finance) assumes additional charge as CMD of KIOCL Limited.



Mr. Samiran Dutta

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



Mr. Kadatur Ranganathan Vasudevan

Director (Finance), MCL assumes additional charge as Director (Finance) of Central Coalfields Limited.



PSEs Ink MoU

HPCL – HLFL Tie-up for Credit to Drive Track Plus Customers



HPCL has entered into a strategic tie-up with M/s Hinduja Leyland Finance Ltd (HLFL) for fuel financing to the valued DTPlus (DTP) customers. HLFL is one of the largest asset financing NBFCs and has strong footprint across India. This new product has been developed as a one-stop solution for entire fuel needs of customer i.e. from loan approval to recharge. The journey developed for the customers is entirely digital and will provide instant loan for fuel using AI Based algorithms. HPCL is the first OMC to sign an MoU with them for the same.

HPCL-HLFL tie-up is our next step in making fuel finance available to 4.5 Lakh Drive Track Plus customers. Salient Features of the tie up are given hereunder:

- Customer on-boarding and transactions will be totally on card-less platform.
- HLFL shall provide fuel credit to their customers, which shall be utilised thru DTP Loyalty Program.
- HLFL will assess the credit worthiness of the customer and extend fuel credit.
- Customers can recharge their CCMS account using either DTP log or using HLF Insta Fuel Mobile app. The app is currently available in three languages English, Hindi & Tamil and HLFL has plans to extend it to another 6 Indian Languages.

NSIC renews its MoU with Kotak Mahindra Bank



The National Small Industries Corporation Ltd. (NSIC) has renewed its MoU with Kotak Mahindra Bank recently under its Bank Credit Facilitation Scheme. The MoU was signed in the presence of Mr. Gaurang Dixit, Director (Finance), NSIC and Mr. Akhil Jain, Senior Vice President, Kotak Mahindra Bank. The renewal of MoU has been a sustained joint endeavour by NSIC and Bank both to handhold the MSMEs in meeting their credit needs.

REC to set up 1000 LPM Oxygen Generation Plant and other medical facilities at Base Hospital, Pithoragarh, Uttarakhand

MoA has been signed by REC with Chief Medical Officer, Pithoragarh, Uttarakhand to set up 1000 LPM PSA Oxygen Generation Plant; Procurement of 22 oxygen concentrators and 200 fowler beds with wheels also part of the MoA, thus the initiative will also increase the bed capacity of the hospital from 250 to 450

REC Limited signed the MoA recently, committing financial assistance to the tune of Rs. 1.85 crore under its CSR initiative. As part of the project, 1000 liters per minute oxygen generation plant will be

Contd... to # 54

Defence Secretary inducts HAL manufactured ALH Mk-III Helicopters Into Indian Coast Guard



Dr. Ajay Kumar, Secretary (Defence) and other dignitaries during the induction of ALH Mk-III Helicopters into Indian Coast Guard.

In a major boost to the ALH Mk-III indigenous Coast Guard programme, three Advanced Light Helicopter (ALHs) manufactured by HAL were inducted into the stables of Indian Coast Guard by Dr. Ajay Kumar, Defence Secretary recently. These helicopters which are part of ALH Mk-III programme will be positioned in Bhubaneswar, Porbandar, Chennai and Kochi and will be part of different Coast Guard Aviation Squadrons.

A virtual program was held simultaneously at the Indian Coast

Guard (ICG) Headquarters in Delhi and at Helicopter MRO Division of HAL in Bengaluru. The Director General, Indian Coast Guard, Mr. K. Natarajan, PTM, TM and Mr. R. Madhavan, CMD, HAL, were present on the occasion.

Speaking on the occasion Dr. Ajay Kumar said "The state of the art Helicopters with advanced sensors will enable ICG to take up challenging tasks. This is for the first time Performance Based Logistics is being introduced in Indian Aviation sector which is

a modern management practice and will increase operational and maintenance efficiency. The sophisticated helicopters being handed over recently will be a game changer for the operational capability of ICG in the times to come". Mr. K. Natarajan said ICG has been a torch bearer in promoting and inducting indigenous products since formative years of the service. Induction of ALH Mk-III is a testimony to the ICG's commitment towards "Atma Nirbhar Bharat". HAL has been the most trusted partner in the growth of ICG aviation fleet delivering multi role and highly capable platforms.

Speaking on the occasion, Mr. R. Madhavan said with this contract, HAL is embarking on a new journey of Performance Based Logistics (PBL). The PBL will assure desired levels of availability of ALH Mk-III fleet of ICG for six and half years, a unique feature of this contract and a first of its kind in HAL. ■

Contd... from # 53

set up at Base Hospital, Pithoragarh, Uttarakhand. Along with that, 22 oxygen concentrators and 200 fowler beds with wheels will also be provided to the hospital, increasing its bed capacity from 250 to 450. The initiative is aimed at strengthening the COVID care facility at the hospital to provide necessary medical care to the local community.

REC Foundation has been continuously working towards improving the health systems in the country. Earlier this month, the Foundation provided financial assistance of Rs. 2.21 crore towards the Installation of 1700 liters per minute oxygen generator plant (full assembly) and 150 kVA generator plant at Dalvi Hospital, Pune. The project has been

implemented by Pune Municipal Corporation and is providing uninterrupted oxygen supply in the hospital.

Another project supported by the foundation, Pandit Ram Sumer Shukla Smriti Govt. Medical College in Rudrapur, Udham Singh Nagar, Uttarakhand has been converted into a COVID treatment center. The center has a 300-bed hospital including a 36 bed ICU ward and facilities such as an isolation center, testing center, etc. The project has strengthened the medical infrastructure in the district and has increased the local administration's response to the pandemic in providing relevant medical treatment and services on time. ■



PSEs celebrate International Yoga Day

IREDA celebrates 7th International Day of Yoga

Indian Renewable Energy Development Agency Ltd. (IREDA) celebrated the 7th International Day of Yoga. Employees of the company performed Yoga asanas under the guidance of a professional Yogacharya. The session was conducted in two modules of asanas and breathing exercises which are customised for workplaces. Officials posted at branch offices and other locations attended the program through virtual platform in compliance of COVID protocol of social and physical distancing norms.



Mr. Pradip Kumar Das, CMD, IREDA & other employees on the occasion of 7th International Yoga Day.

Taking part in the programme, CMD, IREDA Mr. Pradip Kumar Das called upon all IREDANs to include Yoga and meditation in their lives so as to cultivate a positive environment at workplace. He emphasised that practice of Yoga and meditation should be on daily basis. Mr. Das said that Yoga and meditation are grounded in spirituality and benefit both mind and body. He shared his first-hand experiences of Yoga and meditation for last four decades. Mr. Das underlined that regular practising of Yoga and meditation can make everyone more satisfied and happier.

Mr. Shubh Chintak Kishore, a renowned Chartered Accountant and a Yoga practitioner since more than 56 years, addressed IREDANs on how to include Yoga and meditation in their daily lives. In his interactive session, Mr. Kishore taught techniques of 'Sahaj Marg' (natural and easy path) of meditation, which he said, helped to find peace and inner calmness, in a fast-paced world.

Earlier in the morning, IREDA employees also performed Yoga with their family members at home following the theme of International Day of Yoga 2021- 'Yoga at Home and Yoga with Family'.

International Yoga Day celebrated in NLCIL with Enthusiasm



Yoga Demonstration at the Learning & Development Center, organised by NLCIL in commemoration of International Yoga Day. The LED wall in the background shows the live pictures of CMD and Functional Directors those who joined the programme through Virtual Mode.

Post-COVID Recovery Programmes Highlight of the Week Long Celebrations

As India holds its pride in the world with the 'International Yoga Day 2021' being observed, NLC

India Limited marked the occasion with enthusiastic and whole-hearted participation by its employees and their families across Neyveli and its other Units. The focus of the week long Yoga events, starting on 17th June 2021, organised by the Company in its build-up to this significant day, has been holistic wellness of the COVID-recovered participants under the over – arching theme of “Yoga for Well-being”. Placing due emphasis on the importance of health education and the role of traditional Indian practices in achieving the same, NLCIL has been running a dedicated Ayurvedic Health Care Service and along with the Company’s Learning & Development Centre, has been organising regular training programmes on Yogic Science. With professional collaboration of NGOs like Isha Foundation, Art of Living and the SKY - World Temple of Consciousness, NLCIL has been successful in popularising Yoga practices and has been organising a series of Yoga Camps and programmes in its Neyveli Township, for the benefit of its employees, family members as well as the general public. The programmes covered during the week included hourly yoga sessions covering Immunity Boosting Breathing Exercises, simple Yogasanas and meditation for healthy living. ‘Nadha Yoga’ program was also arranged for the employees for practising Oli (sound) Meditation.

On the final day, (21-06-2021) Yoga Demonstration Programme was organised in Neyveli township, wherein Yoga trainers along with students demonstrated various Yogasana by following all COVID-19 protocol. Around 5000 employees and their dependents, including senior officials benefitted from the programme which was live streamed across various Social Media platforms as well as the NLCIL Intranet. CMD and Functional Directors of NLCIL also joined the programme through Virtual Mode.

MCL celebrates International Day of Yoga-2021

International Day of Yoga - 2021 was celebrated

at Mahanadi Coalfields Limited (MCL) with miners practicing yogic aasnas at their places of living with their family members. Leading the celebrations of IYD-2021, Mr. P. K. Sinha, CMD joined from Singrauli while Mr. O. P. Singh, Director (Technical/Operations), Mr. K. R. Vasudevan, Director (Finance), Mr. Keshav Rao, Director (Personnel) and Mr. Baban Singh, Director (Technical/Project & Planning) practiced yoga at their respective residences. Area General Manager, HoDs and employees also participated in celebrations by practicing yoga at their places of living in Angul, Jharsuguda and Sundergarh districts of Odisha.

POWERGRID observes International Day of Yoga across its Establishments Pan India

Power Grid Corporation of India Limited (POWERGRID), observed the 7th International Day of Yoga 2021 on June 21, adhering to all COVID related health protocols and safety norms. With the central theme of ‘Be With Yoga, Be At Home’, as per the guidelines issued by Ministry of AYUSH, employees from various establishments of POWERGRID across the country, virtually participated in the Yoga session, from their home along with family members. A number of Yoga related workshops, yoga talks, related events/activities were also conducted to enhance awareness about importance of yoga. During the session, yoga experts demonstrated various Asanas and gave insights regarding benefits of Yoga. On this occasion, POWERGRID senior officials, employees and their family members wholeheartedly practiced Yoga to adopt healthy lifestyle with great fervour and enthusiasm. The Common Yoga Protocol (CYP) issued by Ministry of Ayush was duly followed. ■



"SOLAR ENERGY IS SURE, PURE AND SECURE"

*-Hon'ble Prime Minister, Shri Narendra Modi during the
inauguration of Rewa Ultra Mega Solar project*

Promoting Green Energy since last 34 years

Rs.
96,784 cr.
Sanctioned

Rs.
63,741 cr.
Disbursed

17,586 MW
Supported RE
Capacity

2750
RE projects
Financed



We finance:

-  **Solar**
-  **Wind**
-  **Hydro**
-  **Biomass Power**
-  **Waste to Energy**
-  **Energy Efficiency**
-  **Bio-fuel / Alternate fuels**
-  **New & Emerging RE Technologies**
-  **Bagasse & Industrial Cogeneration**
-  **Hybrid Projects with RE Technologies**

Corporate Office : 3rd Floor, August Kranti Bhawan, Bhikaiji Cama Place, New Delhi - 110 066
Tel: +91 11 26717400 - 26717412

Registered Office: Core-4A, 1st Floor, East Court, India Habitat Centre, Lodhi Road, New Delhi - 110 003
Tel: +91 11 24682206 - 24682219

RINL-Vizag Steel... aiding Atma Nirbhara Bharat



सही से मास्क पहनें | हाथ धोएँ बार बार | निभाएँ दो गज की दूरी

कोरोना से बचें
जब तक दवाई नहीं
तब तक ढिलाई नहीं

Associated with projects of national importance



RINL - Vizag Steel is proud to be associated with ATAL Tunnel the longest highway tunnel at a height of 10,000 ft. Supplied major share of TMT requirements (8500 MT of Vizag Steel TMT Rebars)

AIRPORTS

Bangalore, Kochi, Delhi, Hyderabad, Mumbai & Chandigarh

METRO RAIL

Delhi, Hyderabad, Kolkata, Chennai, Jaipur, Mumbai, Kochi & Nagpur, Pune

NUCLEAR POWER PLANTS

Kudamkulam, Kaiga, Tarapore

THERMAL POWER PLANTS

Dhabol, Rajpura

NATIONAL HIGHWAYS

Yamuna Expressway, Ahmedabad-Vadodara Expressway, Eastern Freight Corridor, Mumbai-Pune Express way

HYDRO-ELECTRIC POWER PROJECTS

Alakananda, Sardar Sarovar

Bandra-Worli Sea Link Bridge, Mumbai

Visakhapatnam Port Trust

उत्पाद श्रेणियाँ व उपयोग PRODUCT MIX & APPLICATIONS



WIRE RODS

5.5mm - 20mm

Wire drawing, Bright bars, Fasteners etc.



ROUNDS

16 - 95mm

Fasteners, Forging, Re-rolling, Railways, Construction

20-45mm both Straight & Coil form
45-95mm straight length



VIZAG TMT REBARS

8mm - 36mm

Construction - Reinforcement



BILLETS / BLOOMS

65mm, 77mm, 90 mm / 150mm, 200mm

Bright bars, Forging, Re-rolling, General Engineering purposes



VIZAG UKKU STRUCTURALS

Angles 75 x 75 x 6 - 110 x 110 x 10mm
Channels 100 x 50 - 200 x 75mm
Beams 125 x 70 - 150 x 75mm
Flats 80 x 12 - 100 x 20mm

Construction, Fabrication, Auto Leaf Springs

f @RINL VIZAG STEEL @RINL_VSP r.i.n.l

www.vizagsteel.com

राष्ट्रीय इस्पात निगम लिमिटेड
(भारत सरकार का उद्यम)

विशाखपट्टणम इस्पात संयंत्र

ISO 9001:2015, ISO 14001, ISO 50001, ISO 27001 & OHSAS 18001 Certified Company