

20th World Congress on Environment Management and Climate Change

6 - 7 July 2018, Hotel Le Meridien, New Delhi (India)

Theme:

"Transformational Leadership for Promoting Climate Resilient Economic Growth"

Introduction

The Institute Of Directors (IOD), India organized its '20th annual World Congress on Environment Management and Climate Change' on 6-7 July, 2018 at Hotel Le Meridien, New Delhi. The main theme was **"Transformational Leadership for Promoting Climate Resilient Economic Growth"**. The famed Golden Peacock Awards for *Environment Management, Eco- Innovation, Occupational Health & Safety and Energy Efficiency* were also conferred on the winners, amongst Indian business and industry.

The Opening Session was graced by **Dr. Aruna Sharma IAS**, Secretary, Ministry of Steel, Government of India, **Mr. C. K. Mishra IAS**, Secretary, Ministry of Environment, Forest and Climate Change, Government of India and **Dr. Arun Kumar Panda IAS**, Secretary, Ministry of Micro, Small & Medium Enterprises, Government of India.

H.E. Ms. Nina Vaskunlahti, Ambassador, Embassy of Finland and **H.E. Ms. Joanna Kempfers**, High Commissioner, New Zealand High Commission were the Guests of Honour on the occasion.

It was a largely attended Congress, as over 500 experts, delegates and environmentalists from all over India and abroad attended the two day Congress. 17 countries were represented at the Congress

(USA, UK, UAE, Spain, Finland, New Zealand, Japan, Netherlands, Qatar, Singapore, Mauritius, Denmark, Australia, Canada, Germany, Pakistan and India). TIMES NOW were the TV Media Partner for the event.

Distinguished Fellowships (2018) of IOD were also conferred on following dignitaries for their outstanding contribution towards national growth and public service:

1. **Mrs. Rajashree Birla**, Chairperson, Aditya Birla Centre for Community Initiatives and Rural Development, Aditya Birla Group
2. **Dr. Anoop Kumar Mittal**, Chairman & Managing Director, NBCC (India) Limited
3. **Mr. K. S. Popli**, Chairman & Managing Director, Indian Renewable Energy Development Agency Limited (IREDA)

Inaugural Session - Day 01

Lt. Gen. J. S. Ahluwalia, PVSM (Retd.), President, Institute Of Directors in his Welcome Address said that climate change has dominated the development scene during the last few years and all issues relating to development are seen in the context of climate change. The 20th World Congress relates to sustainable economic growth. India's climate-friendly and climate-resilient actions and processes in the industry have reflected country's determination to reduce GHG emissions at a desirable fast pace, while still maintaining the rate of growth.

Lt. Gen. N. C. Marwah, PVSM, AVSM (Retd.), Member, National Disaster Management Authority in his Special Address focused on aspects and issues related with different types of disasters in India and the world. He said that due to rapid urbanization and climate change, 10% of disasters are occurring in India which consume 2 % of the GDP of the country. Quoting from World Bank Report on Climate Change in India, he said that ongoing climate change has serious socio-economic implications. "Disaster Risk Reduction (DRR) and Public Private Partnership (PPP) model is a strategic approach for



Lt. Gen. J. S. Ahluwalia, PVSM (Retd.)
President, Institute Of Directors delivering his Welcome Address.



Dr. Aruna Sharma IAS
Secretary, Ministry of Steel
Government of India



Mr. C. K. Mishra IAS
Secretary, Ministry of
Environment, Forest and
Climate Change
Government of India



Dr. Arun Kumar Panda IAS
Secretary, Ministry of Micro,
Small and Medium Enterprises
Government of India



H.E. Ms. Nina Vaskunlahti
Ambassador
Embassy of Finland



H.E. Ms. Joanna Kempfers
High Commissioner
New Zealand High Commission

disaster management”.

Dr. R. Seetharaman, Group CEO, Doha Bank, Qatar in his Special Address advocated the need for the developing Carbon Neutral World economy consistent with goals and objectives of sustainable development. He explained comparative situation of GHG emissions in USA, China and India and advised that economy and ecology should converge for the required eco-innovations which are needed on urgent basis for making sustainability a global reality. Green Banks have highly significant role to play by promoting higher percentage of renewable energy technologies (RETs), especially in a country like India. “Social commitment is required. Individuals and Institutions have to come together”.

H.E. Ms. Nina Vaskunlahti, Ambassador, Embassy of Finland in her Guest of Honour Address focused on ever increasing energy demand and supply across the globe and resulting consequences of climate change. She said it is being predicted that by 2050, there will not be any ice left in the Arctic Circle; and the climate change will also have serious implications for Himalayan region of India. She said that with 80% forest, 10% water and 10% land, Finland stands in a good

position with World Environmental Index. “India needs to have strict regulations and Environment rules to protect it's future”.

H.E. Ms. Joanna Kempfers, High Commissioner, New Zealand High Commission in her Guest of Honour Address pointed to the issue of ozone hole shown in Antarctica by scientists working on climate change and gave a comparative view of weather extremes of New Zealand and India. She said that New Zealand Government is going green in every possible sector. “Economy, Environment and Climate Change have become a economic challenge and economy has to be turned into a green economy”.

Dr. Arun Kumar Panda IAS, Secretary, Ministry of Micro, Small and Medium Enterprises, Government of India in his MSME Address enlightened in detail about the role of MSMEs in GDP, environmental management and climate change; and informed that MSMEs are facing challenges of credit and clean technologies. He recommended that large scale industries should support MSMEs in coping up with the credit and technological challenges. He explained a new Govt. scheme of Zero Effect Defect (ZED) for encouraging MSMEs to constantly upgrade their quality standards in products and processes.



From L to R:- Lt. Gen. N. C. Marwah, PVSM, AVSM (Retd.), H.E. Ms. Joanna Kempfers, Dr. Arun Kumar Panda IAS, Lt. Gen J S Ahluwalia, PVSM (reted.), & Dr. Aruna Sharma IAS



Release of Convention Souvenir by distinguished speakers during the Inaugural Session

From L to R:- Lt. Gen. N. C. Marwah, PVSM, AVSM (Retd.), H.E. Ms. Joanna Kempfers, Dr. Arun Kumar Panda IAS, Lt. Gen J S Ahluwalia, PVSM (reted.), Dr. Aruna Sharma IAS, H.E. Ms. Nina Vaskunlahti, Mr C. K. Mishra IAS and Dr. R. Seetharaman.



Release of Golden Peacock Award's Winners' Digest on Environment Management

From L to R:- Lt. Gen. N. C. Marwah, PVSM, AVSM (Retd.), H.E. Ms. Joanna Kempfers, Lt. Gen J. S. Ahluwalia, PVSM (reted.), Dr. Aruna Sharma IAS, H.E. Ms. Nina Vaskunlahti, Mr C. K. Mishra IAS and Dr. R. Seetharaman.



Presentation of Mementoes to Distinguished Speakers by President IOD

From L to R:- Lt. Gen. N. C. Marwah, PVSM, AVSM (Retd.), H.E. Ms. Joanna Kempfers, Lt. Gen J. S. Ahluwalia, PVSM (reted.), Dr. Aruna Sharma IAS, H.E. Ms. Nina Vaskunlahti, Mr C. K. Mishra IAS and Dr. R. Seetharaman.



Lt. Gen. N. C. Marwah
PVSM, AVSM (Retd.)
Member, National Disaster
Management Authority



Dr. R. Seetharaman
Group CEO
Doha Bank, Qatar



Mr. Ovais Sarmad
Assistant Secretary-General & Deputy Executive Secretary, United Nations Framework
Convention on Climate Change (UNFCCC) delivering his Special Address.

Mr. C. K. Mishra IAS, Secretary, Ministry of Environment, Forest and Climate Change, Government of India in his Theme Address deliberated on issues of developmental imperatives and their impacts on environment. He said that in India, the impact of climate change is critical not only for coastal regions but for other regions as well. Quoting the statement of Executive Director-UNEP on India on the theme - Plastic Pollution, on World Environment day (5th June 2018), he recommended government should provide appropriate platform for all categories of stakeholders for working collectively on challenges of climate change and environmental degradation. He appealed that we should invest CSR funds in enhancing environmental quality, and should collectively work for increasing green cover in the country. "Environment management is a science as well an art".

Dr. Aruna Sharma IAS, Secretary, Ministry of Steel, Government of India in her Industrial Strategy Address focused on serious public health threats, which arise due to plastic pollution. She said that "Environmental protection is a collective responsibility and every

citizen should take oath to protect the nature to sustain our future generation".

At the end of the Inaugural Session, the Congress Souvenir and the Golden Peacock Winners' Digest were released, followed by the presentation of **Golden Peacock Awards for Environment Management and Eco-Innovation**.

The next Plenary Session (II) was on the Sub-theme - "Transformational Board Leadership for Sustainability".

It was chaired by

Mr. Ovais Sarmad

Assistant Secretary-General & Deputy Executive Secretary, United Nations Framework Convention on Climate Change (UNFCCC), United Nations, New York.

The other panelists included:

Mr. Arun Balakrishnan

Chairman, IOD- Bengaluru Chapter, Founder Chairman & Independent Director, HPCL-Mittal Energy Ltd. (HMEL) & former Chairman & MD, HPCL

Mr. S. P. Shukla

Member - Group Executive Board, Group President - Aerospace, Defence & Steel, Mahindra & Mahindra



Plenary Session on 'Transformational Board Leadership for Sustainability'. From L to R:- Mr Sudhir Shenoy, Mr Arun Balakrishnan, Mr S. P. Shukla, Lt. Gen. Surinder Nath, PVSM, AVSM (ret.), Mr Ovais Sarmad, Prof. Colin Coulson-Thomas and Mr Bharat Salhotra. Session was chaired by Mr Ovais Sarmad.

Prof. Colin Coulson-Thomas

President, Institute of Management Services, UK

Mr. Bharat Salhotra

Vice President, Asia Pacific Region & Managing Director E-Bus, ALSTOM, India

Mr. Sudhir Shenoy

CEO, Dow Chemical International Private Ltd., India.

Mr. Sarmad elaborated the sub-theme and said that 2017 was the hottest year, as is being witnessed by increase in carbon emissions and reduction of ice in Antarctica region and went into details of GHGs reduction commitments under Paris Agreement. He said that 7100 companies are working on GHGs reduction programme and energy efficiency, especially by applying RETS, such as rooftop installations etc. "Innovations and solutions should focus upon aspects and issues requiring enhanced material, energy efficiencies & recycling".

Mr. Balakrishnan focused on reduction of carbon footprints due to consumption of large amount of petrochemicals. By giving the example of shipping industry, he explained the board's role in promoting high quality fuel, such as lesser or zero sulphur fuels and criticized surpassing of no pollution creation over maximizing profit. Boards should adopt and implement sustainability standards on life cycle basis from the design, manufacturing, sale and recycling phases.

Mr. Shukla explained sustainability initiatives of Mahindra and Mahindra Ltd and elaborated upon commitments across the organization towards their sustainability mission. He said, Mahindra & Mahindra was the first company to publish Business Responsibility Report amongst the entire corporate sector, ensuring implementation of sustainability concerns in all its processes & operations.

Prof. Coulson-Thomas stressed that climate risk is an important element of budget. He emphasized that we need transformations through new models of organisational leadership. He recommended that businesses should support eco-innovation under eco-entrepreneurship programmes and should promote sustainability enabling technologies.

Mr. Salhotra stated that sustainable mobility is key issue with the advancement of humanity. He said that ALSTOM has launched an

initiative to reduce energy consumption by 20% by 2030 in which 14% had already been achieved.

Mr. Shenoy spoke about key aspects and issues related with zero affluent discharge and briefed about NGT's order for the closure of all CETPs. He advised that attaining Sustainability should be the main aim of every board member of the organization. "Sustainability is not evolutionary, but revolutionary".

The next Plenary Session (III) was on the Sub-theme: Energy Security: Sustainable Energy Options.

It was chaired by:

Mr. J. Robert Garverick

Minister- Counselor for Economic, Environment, Science and Technology Affairs, U.S. Embassy New Delhi.

The other panelists included:

Mr. Saurabh Kumar

Managing Director, Energy Efficiency Services Ltd. (EESL)

Mr. Vikram Kailas

Vice Chairman & MD, Mytrah Energy (India)

Mr. Sunil Jain

CEO, Hero Future Energies.

Mr. Garverick stated that USA and India seek to have energy and fuel partnership. He deliberated upon application of RETs, their existing and future potential in achieving energy conservation and energy efficiency and presented yearly pattern of energy utilization in USA; role of India in controlling world energy utilization, as well as role and potential of US-India strategic partnership.

Mr. Kumar stressed that clean energy should be our mission. He explained that efficient products face three barriers – high cost, lack of information, and consumers not being aware of the performance of energy efficient equipment. Citing about UJALA programme, he said that EESL is making sure that all the three barriers are addressed. CFL bulbs are being replaced by LED bulbs to reduce the consumption of energy. EESL is also working towards electric vehicles; high efficiency



Mr. J. Robert Garverick

Minister- Counselor for Economic, Environment, Science and Technology Affairs, U.S. Embassy New Delhi delivering his Special Address.



Mr. Sunil Jain
CEO

Hero Future Energies Pvt. Ltd.



Mr. Vikram Kailas

Vice Chairman & MD
Mytrah Energy (India) Pvt. Ltd.



Mr. Saurabh Kumar
Managing Director
Energy Efficiency Services Ltd.
(EESL)



Plenary Session on 'Energy Security: Sustainable Energy Options', From L to R:- Mr Saurabh Kumar, Mr J Robert Garverick, Mr Sunil Jain and Mr Vikram Kailas. Session was chaired by Mr J Robert Garverick.

air conditioners with low energy consumption, etc.

Mr. Kailas explained that carbon emissions are reduced as we move forward to design and implement RETs for power generation and other energy requirement. He said that we need newer reliable power sources as the renewable energy sources are unpredictable. He recommended that there is a need to integrate RETs with distribution networks and design and laying of cross-border RETs power transmission lines, development of regional alliances for supplying power to neighboring countries from solar and wind power generation.

Mr. Jain stated that India is focusing on accelerating use of clean energy to 40% by 2030. He gave out the road map of sustainable energy plan. The Government's goal of achieving 175 GW power production by 2022 has been enhanced to 225 GW shows Government's confidence in supporting organisations.

Thereafter, a **Memorandum of Understanding (MoU) was signed between the Institute Of Directors, India and Export Promotion Council of EOU & SEZ.**

Mr. Manoj K. Raut

CEO & Director, IOD

and

Dr. Vinay Sharma

Chairman, Export Promotion Council of EOU & SEZ were the signatories for this MoU on behalf of the two organisations.

The next Plenary Session (IV) was on the sub-theme Business and Sustainability Development Goals (SDGs).

It was chaired by:

Dr. Rasha Omar

Country Director (India), International Fund for Agriculture Development (IFAD).

The other panelists included:

Ms. Mohini Daljeet Singh

Chief Executive, Max India Foundation

Mr. Tim Rutten

Business Director AMEA, DSM Sinochem Pharmaceuticals, Netherlands



Institute Of Directors signs MoU with Export Promotion Council for EOUs & SEZs (EPCES): Mr. Manoj K. Raut, CEO, IOD, India and Dr. Vinay Sharma, Chairman, EPCES signing on behalf of the two organisations.



Officials of IOD and EPCES during the MoU signing ceremony.

Dr. Waddah S. Ghanem

Executive Director, EHSSQ & Corporate Affairs, Emirates National Oil Company Limited (ENOC) LLC, UAE

Mr. Manu Kapur

CEO- Textiles, GHCL Ltd.

Dr. Omar explained the mandate of IFAD and further deliberated in detail about approach and methods being adopted and practiced by businesses across the world for achieving sustainable development goals. She shared the details of seventeen sustainable development goals like poverty, shared prosperity, livelihood, solution of climate change problems and how IFAD is contributing in achieving these goals. She informed that businesses have US\$ 12 Trillion worth opportunities for archiving sustainable development goals. Over 9000 companies have already signed UN 10 principals on climate change under UN Global Compact Programme.



Dr. Rasha Omar
Country Director India
International Fund for Agriculture Development (IFAD)



Ms. Mohini Daljeet Singh
Chief Executive
Max India Foundation



Mr. Tim Rutten
Business Director AMEA
DSM Sinochem
Pharmaceuticals, Netherlands

Ms. Singh stated that 9 out of 17 SDGs goals are directly connected to environment and Industry, and businesses should realize that if business is not sustainable it won't be able to rise or make profit. Whatsoever business we are in, we have to think about sustainable development. She spoke about Max India's environmental sustainability programmes and projects, specially in waste management, sanitation and water management. "There can be no health, without healthy environment".

Mr. Rutten explained about the threats that Anti Microbial Resistance (AMR) drugs pose to humanity. A staggering 10 million people will be killed annually by resistant bacteria by 2050. AMR is accelerated and spread by human behavior, such as poor sanitation, insufficient measures to prevent and control infection, the misuse of antibiotics and pharmaceutical pollution of the environment. He emphasized that "Industry should take responsibility to support Sustainable Development Goals".

Dr. Ghanem stressed that value maximization and social responsibilities are important. There is a lot more to be done for stakeholders. Social responsibilities are important. He further said that ENOC business units are committed towards long standing collaborations and CSR partnerships that focus on three primary

components to achieve social, environmental and economic wellbeing, by forging and maintaining promising partnerships with government authorities; businesses; NGOs and communities. "Sustainability is both an opportunity and risk also".

Mr. Kapur stressed that environmental degradation and climate change are not just threats to the Earth; they are also threats to human survival. He further deliberated that clean environment for sustainable development is of prime concern and an important business objective. He gave out the Environment Mantra i.e. Reuse-repair-recycle- refurbish- reduce- recoup.

The next Plenary Session (V) was on the Sub-theme "Environmental Governance: Strategies and Policies".

It was chaired by

Dr. C. V. Dharma Rao

Joint Secretary and DDG, National Mission for Clean Ganga and Adviser, National Water Mission, Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India.



Plenary Session on 'Business and Sustainability Development Goals (SDGs)'. From L to R:- Dr. Vivek K. Agnihotri IAS (retd.), Mr Manu Kapur, Dr. Waddah S. Ghanem, Dr. Rasha Omar, Ms. Mohini Daljeet Singh and Mr Tim Rutten. Session was chaired by Dr Rasha Omar.



Plenary Session on 'Environmental Governance: Strategies and Policies'. From L to R:- Mr R. G. Rajan, Mr Sho Miura, Dr. Teresa Barres Benlloch, Dr. C.V. Dharma Rao, Mr K. R. Raghunath, Mr Vikesh Walia and Lt. Gen. J S Ahluwalia, PVSM (retd.). Session was chaired by Dr. C. V. Dharma Rao.

The other panelists included:

Dr. Teresa Barres Benlloch

Counsellor for Agriculture & Fisheries, Food and Environment,
Embassy of Spain, New Delhi

Mr. K. R. Raghunath

Managing Director, KIS Group, Singapore

Mr. Sho Miura

Second Secretary (Environment), Economic Section, Embassy of
Japan, New Delhi.

Dr. Rao stressed on the importance of water and gave a brief explanation regarding minimization of water wastage. He explained how we waste more than 100 liters of water in our day-to-day household activity and if handled cautiously, we will be able to save it.

Dr. Banlloch explained Spanish strategy of circular economy. She stated that Spanish Government has developed a roadmap for transition to a green sustainable economy, with low carbon economy. Public partnership is the key element in this policy.

Mr. Raghunath introduced the KIS Group and gave a presentation of their bio-gas plant in Indonesia. He said that with 10,000M3 bio-gas plant, KIS is able to save 10,000 liters of diesel. Also, bio-gas is used instead of diesel for steam and power generation. He gave a brief

explanation about how Government has introduced policies for saving water for household usage. There is reward for saving water and penalty for wasting it.

Mr. Miura introduced Japan's Blue SKY Initiative. He explained briefly how Japan was able to tackle the problem of air pollution by recycling the biomass that caused the air pollution. He said that technology plays a key factor. He also proposed the Haryana Government to partner with Japan to recycle the agriculture waste rather than burning for protection against the air pollution caused by it.

The next Plenary Session (VI) was on the sub-theme: Combating Climate Change: At the Edge of a New Frontier.

The Session was chaired by

Mr. R. G. Rajan

Chairman, IOD Mumbai Region and former CMD, Rashtriya Chemicals & Fertilizers and Chairman, SCOPE.

The other panelists included:

Mr. B. Kalyan Chakravarthy, IAS

Director General, Environment Protection Training & Research Institute (EPTRI)

Ms. Rashmi Urdhwaresh

Director, Automotive Research Association of India (ARAI)



Dr. C. V. Dharma Rao interacting with participants during Q&A session. Mr. Sho Miura, Dr. Teresa Barres Benlloch and Mr. K. R. Raghunath can also be seen.



Mr. B. Kalyan Chakravarthy, IAS
Director General
Environment Protection Training & Research
Institute (EPTRI)



Plenary Session on 'Combating Climate Change: At the Edge of a New Frontier'. From L to R:- Mr. Arun Balakrishnan, Mr. Devin Narang, Mr. Anal V Singh, Mrs. Rashmi Urdhwareshe, Mr. R. G. Rajan, Mr. B. Kalyan Chakravarthy IAS and Mr. Naveen Kumar Bansal. Session was chaired by Mr. R G Rajan.

Mr. Naveen Kumar Bansal

Director (Oil Refining and Marketing), Federation of Indian Petroleum Industry

Mr. Devin Narang

Managing Director (India), Sindicatum Sustainable Resources

Mr. Anal V. Singh

Plant Head, Tata Motors Limited.

Mr. Rajan stressed that to combat climate change, scientific and sustainable efforts are required. He briefly explained carbon emissions sources in India along with the present power generation and further briefed about planning for power generation in India from RETs and problems being faced in arranging the required finance.

Mr. Chakravarthy explained in detail about Paris Climate Agreement and the share of CO₂ emissions to be developed by the Telangana State. He also discussed key aspects and issues related with present situations of carbon market, mechanism of carbon taxation and recommended that all institutions should work together for climate change. The social media should play active role by creating and generating awareness.

Ms. Urdhwareshe said that automobile is a highly regulated industry and also the most criticized sector. Individual transportation needs to give way to a better public and integrated transport system. She asked

private sector to help Government and assist various Ministries in developing skills and also help to innovate more in the Automobile industry.

Mr. Bansal informed that oil & gas sector fulfils 51% of energy requirement. He informed that gas based economy will bring significant reductions in GHGs by implementing initiatives like doorstep delivery of LNG and finally explained key features and achievements of Project Uday Ganga, PEACE Camping for Gas Use, National Bio-fuel Policy-2018 & Pradhan Mantri Ujala Yojna.

Mr. Narang explained the symbiotic type of journey being led by RETs and fossil fuels in India and further deliberated in detail about issues & problems associated with storage of electricity, generated from RETs besides investing trillions of dollars in R & D in this area.

Mr. Singh said that water scarcity is a big problem because we are not able to manage the 40% water available. He discussed India's commitments for Paris Agreement on Climate Change and informed about environmental, health & safety (EHS) measures being implemented at Tata Motors. "Climate change is an evolutionary change, not a revolutionary change".

The concluding function of the first day was the '**Golden Peacock Awards Nite**'.

Dr. Vivek K. Agnihotri IAS (Retd.), Director General, Golden Peacock



Golden Peacock Awards Presentation ceremony. From L to R:- Lt. Gen. J S Ahluwalia, PVSM (retd.), Mrs. Meenakshi Lekhi, Justice (Dr.) Arijit Pasayat and Dr. R. Seetharaman



Mrs. Meenakshi Lekhi

Hon'ble Member Parliament for New Delhi, India delivering her Guest of Honour address



Justice (Dr.) Arijit Pasayat

Co-Chairman, Institute Of Directors & former Judge, Supreme Court of India delivering his Chairman Address.

Awards Secretariat, IOD and former Secretary-General, Rajya Sabha (Parliament of India) welcomed all the delegates to the Awards Nite and explained aims and objectives of Golden Peacock Awards.

Lt. Gen. J.S. Ahluwalia welcomed the awardees and the guests, and presented an overview of the Institution of the Golden Peacock Awards.

Dr. R. Seetharaman, Group CEO, Doha Bank, Qatar during his special remarks, briefly deliberated upon issues related with climate change and food security, as well energy mix use pattern of the country besides suggesting convergence of economy and ecology via globally interconnected economic systems.

Justice (Dr.) Arijit Pasayat, Co-Chairman, Institute Of Directors & former Judge, Supreme Court of India during his Chairman's Address, enlightened that Right to Life is not merely physical existence of life, but the Right to Clean Air and Right to Clean Water are integral part of it. He expressed serious concerns about the rate at which

environment is being destroyed and drew serious attention of one & all towards impacts of mindless deforestation. He congratulated all the Award winners.

Mrs. Meenakshi Lekhi, Hon'ble Member of Parliament from New Delhi in her Guest of Honour Address quoted famous political philosopher John Stuart Mill "there will be time, when people will not like to become rich". She raised serious issue of recycling of wastes, specially plastic waste. She congratulated the winners of the Golden Peacock Awards and requested them to keep the good work going.

Thereafter, the **IOD's Distinguished Fellowship – 2018** were conferred upon

Mrs. Rajashree Birla

Chairperson, Aditya Birla Centre for Community Initiatives and Rural Development, Aditya Birla Group

Dr. Anoop Kumar Mittal

Chairman & Managing Director, NBCC (India) Limited



Mrs. Rajashree Birla

Chairperson, Aditya Birla Centre for Community Initiatives and Rural Development, Aditya Birla Group conferred with IOD Distinguished Fellowship 2018.



Dr. Anoop Kumar Mittal

Chairman & MD, NBCC (India) Ltd. conferred with IOD Distinguished Fellowship 2018.



Mr K. S. Popli

Chairman & MD, Indian Renewable Energy Development Agency Ltd. (IREDA) conferred with IOD Distinguished Fellowship 2018.



Mr. K. R. Raghunath
Managing Director
KIS Group, Singapore



Dr. Sanjeev Chaturvedi
Director
National Institute for Micro, Small and Medium Enterprises
(ni-msme)

Mr. K. S. Popli

Chairman & Managing Director, Indian Renewable Energy Development Agency Limited (IREDA) for their exceptional contribution towards national growth and public causes.

The Golden Peacock Awards Nite was followed by Dinner.

DAY 02

The second day's Session (VIII) commenced with case study presentations on Success Stories on Effective Implementation of Occupational Health & Safety.

It was chaired by

Mr. K. R. Raghunath

Managing Director, KIS Group, Singapore.

The following **Golden Peacock Award** winning companies made their brief presentation, through their experts:

- Mahle Filter Systems (India) Private Limited, Parwanoo
- HeidelbergCement India Limited, Diamond Cements, Damoh
- Gulbrandsen Chemicals Private Limited, Vadodara
- UPL Limited, Unit 02, Ankleshwar
- Orient Electric Limited, Faridabad

- Bosch Limited, Jaipur
- Mondelez India Foods Private Limited, Induri
- GAIL (India) Limited, Gas Processing Unit, Gandhar
- Capacite Infraprojects Limited, Mumbai
- Honeywell Technology Solutions Lab Private Limited, Madurai
- Indian Oil Corporation Limited, Durgapur LPG Bottling Plant
- Castrol India Limited, Raigad
- Cipla Limited, Bengaluru
- Vidarbha Industries Power Limited, Nagpur
- Greenko Budhil Hydro Power Private Limited, Chamba
- Clean Wind Power Ratlam, (SPV of HERO Future Energies), Hero Group, New Delhi
- Shapoorji Pallonji & Company Pvt. Ltd., One Indiabulls BLU, Mumbai
- Nokia Solutions and Networks India Private Limited, Gurgaon



Dr. Ajay Mathur
Director General, TERI - The Energy & Resources Institute,
and Member, Prime Minister's Council on Climate Change



Lt. Gen. J S Ahluwalia
President, IOD presenting memento to Dr Ajay Mathur. Mr Manish Sinha can also be seen.

The next Plenary Session (IX) was on the sub-theme “Strategies for Mitigating India's Climate Change Impact and Building Energy Efficiencies”.

It was chaired by

Dr. Ajay Mathur

Director General, TERI - The Energy & Resources Institute, and Member, Prime Minister's Council on Climate Change.

The other panelists included:

Dr. Sanjeev Chaturvedi

Director, National Institute for Micro, Small and Medium Enterprises (ni-msme)

Mr. Manish Sinha

MD, Dun & Bradstreet India

Mr. Avinash Kumar

Director - Programme & Policy, WaterAid India.

Dr. Mathur said that we are still unable to pay for energy and electricity imposed hydrocarbons which affect our GDP. We need to double our energy by 2030 and also we need to increase our output with lesser import. He explained the challenges India is facing in terms of energy growth like converting fossil fuel use to zero carbon fuel, decarbonisation of electricity by conversion of solar electricity to electricity at night. He said, more R & D efforts are required for creating technological innovation in aviation sector and told about energy efficiency measures requiring more innovations.

Dr. Chaturvedi discussed about people's perceptions on water quality issues. He said that public initiative is required for water conservation thoroughly. He requested the policy makers must design and implement two types of water supply pipelines, one for drinking water supply and other for other purposes. “Water is the key issue for human existence”.

Mr. Sinha gave a comparative view of GHG emissions among carbon importers & carbon exporters. He recommended that all operation should prepare Environmental Impact Assessment Reports and concluded that Human Development Index (HDI) is a reflection of quality of life and environment in a country, higher the HDI, higher will be the quality of life & environment.



Mrs. Veena Swarup
former Director HR
Engineers India Ltd.



Prof. Colin Coulson-Thomas
President
Institute of Management Services, UK

Mr. Kumar discussed about water management issues and expressed his serious concerns and millions of people still lack access to safe drinking water. He further recommended community based water management practices for ensuring safe access to water requirements by giving example of Gram Vikas Sabhas in Orissa.

The next Plenary session (X) was a case study presentation on Success Stories on Effective Implementation of Energy Efficiency and Eco-Innovation.

It was chaired by

Ms. Veena Swarup

former Director – HR, Engineers India Limited.

The following Golden Peacock Award winning companies made their presentations, through their experts:

- Mahindra Research Valley, Chengalpattu
- Indian Railways Organisation for Alternative Fuels, New Delhi
- Reliance Industries Limited, Mumbai
- Tata Motors Limited, Pantnagar
- Spicer India Private Limited, Dharwad
- The Ramco Cements Limited, Ariyalur
- National Fertilizers Limited, Nangal Unit
- Hindustan Petroleum Corporation Limited, Mumbai Refinery
- NTPC Limited, Ramagundam Super Thermal Power Station
- JK Tyre & Industries Limited, Kankroli Tyre Plant
- RSWM Limited, Kharigram

The last plenary session (XI) of the Congress was a case study presentation on Success Stories on Environment Management.

It was chaired by

Prof. Colin Coulson-Thomas

President, Institute of Management Services, UK.

The following Golden Peacock Award winning companies made their presentations, through their experts:

- Maruti Suzuki India Limited, Gurgaon
- UltraTech Cement Limited, Ready Mix Concrete Division, Mumbai
- PI Industries Limited, Panoli



Institute Of Directors signs MoU with Institute of Management Services, UK.
Mr. Manoj K Raut, CEO, IOD, India and Prof Colin Coulson-Thomas, President, IMS, UK signing on behalf of the two organisations.



Lt. Gen. J S Ahluwalia, President, IOD, presenting Membership Certificate of IOD to Prof. Colin Coulson-Thomas, President, Institute of Management Services, UK.

- L&T Hydrocarbon Engineering Limited, Offshore BV, Mumbai
- Indian Renewable Energy Development Agency Limited, New Delhi
- IBM India Private Limited, Bangalore
- Wipro Limited, Bangalore
- National Aluminium Company Limited, Smelter Plant, Angul
- Oil and Natural Gas Corporation Limited, Hazira Plant
- Sembcorp Energy India Limited, Nellore

All the plenary sessions of the congress were followed by audience interaction.

In the Valedictory Session, a **Memorandum of Understanding (MOU) was signed between Institute Of Directors, India and The Institute of Management Services, UK.**

Mr. Manoj K. Raut
CEO & Director, IOD

Prof. Colin Coulson-Thomas
President, The Institute of Management Services, UK were the **signatories for this MoU on behalf of the two organisations.**

Lt. Gen. J. S. Ahluwalia, President, IOD while delivering the closing remarks, expressed his heartfelt thanks to all for participating in 20th World Congress on Environment Management and Climate Change and making it a grand success and said that we all will certainly meet again in 21st World Congress on Environment Management and Climate Change.

Special thanks were proposed to Oil & Natural Gas Corporation Limited (ONGC) for being the Platinum Partner for the event. Doha Bank (Qatar) was also thanked for being the Banking Partner.

Special Thanks were also proposed to PI Industries Limited, National Projects Construction Corporation Limited (NPCC) and Energy Efficiency Services Ltd (EESL) for being the Silver Partners as well as DSM Sinochem Pharmaceuticals (DSP), KIS Group (Singapore), NI-MSME for being the Bronze Partners for the event. Mahanagar Gas Limited (MGL), Max India Foundation, Indraprastha Gas Limited (IGL) and U.P. Pollution Control Board were also thanked for being the Associate Partners and helping the Congress to be a success.

A Vote of Thanks was proposed for 'TIMES NOW', for being Media Partner and covering the event extensively.

Thanks were conveyed to the Le Meridien Hotel authorities for making excellent arrangements for the Congress.

Compiled by:
Mr. Pradeep Chaturvedi
Vice President, IOD

Supported by:
Manish Prabhakar
Manager-Brand & Projects

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Silver Partners



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Associate Partners





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FELLOW 2018

IOD Distinguished Fellow

Mrs. Rajashree Birla

Chairperson, Aditya Birla Centre for Community Initiatives and Rural Development
Aditya Birla Group

Mrs. Rajashree Birla spearheads the Aditya Birla Centre for Community Initiatives and Rural Development, the Group's apex body responsible for development projects. She oversees the Group's social and welfare driven work across 40 companies. She is Director on the Board of all the major Aditya Birla Group of Companies, both in India and overseas.

She is a humanitarian par excellence, and compassion is her only currency. Born in Bikaner and graduated from the Loreto College at Kolkata.

Mrs. Birla is the Chairperson of the FICCI – Aditya Birla CSR Centre for Excellence, heads the "Sangit Kala Kendra", and is on the Board of Asia Pacific Committee as well as Habitat's Global Committee.

The "Economic Times Corporate Citizen of the Year" was bestowed upon her in 2001 and again in November 2012. She received the "Rajiv Gandhi Award for Eminence in Social Field" and FICCI – FLO Golden Laurel Award, in 2009. She received "The CEO India CSR Leader 2014" and the Fine Arts Society's "FAS Stree Ratna Award 2014". She was named "The Torch Bearer of Humanitarian Service" and "Serving Humanity Award" by Rotary International in January 2018.

The IOD's coveted "Global Golden Peacock Award for CSR" was presented to Mrs. Birla by Dr. Ola Ullsten, the Former Prime Minister of Sweden in Portugal in 2010. The Government of India bestowed the "Padma Bhushan" Award in 2011 on Mrs. Rajashree Birla in the area of "Social Work".

The Institute of Directors has great pleasure to confer the 'IOD's Distinguished Fellowship – 2018' on her.



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IOD Distinguished Fellow

Dr. Anoop Kumar Mittal

Chairman-cum-Managing Director
NBCC (India) Limited

Dr. Anoop Kumar Mittal is one of the India's most highly-respected civil engineer. In a career spanning 35 years, he has been an embodiment of Quality in Civil Engineering, Consultancy and Project implementation. He is currently the Chairman of National Building Construction Company (NBCC), a Schedule 'A' Navratna PSU. He also holds several additional prestigious positions like the co-Chair of National Council on PSEs; Chairman of National Council, ASSOCHAM; Chairman of BRICCS (CCI); Sr. Vice President of Indian Buildings Congress etc.

He pioneered the concept of redevelopment of public land, based on a unique financial model, which emphasizes on 'zero financial burden' on the Exchequer.. The Govt. has entrusted mega redevelopment schemes, for over Rs.40,000 crore to NBCC.

Dr. Mittal has strengthened NBCC's foreign footprint through agreements with companies in Oman, Botswana, Malaysia, Mauritius, Maldives et al. NBCC has started construction of the Supreme Court building and Housing in Mauritius. '

On the 'World Environment Day -2018', Dr. Mittal pledged in the presence of Prime Minister Hon'ble Narendra Modi Ji that 'NBCC will lead by example ensuring total adoption of environment-friendly and sustainable technologies, setting new standards for the sector'.

Dr. Mittal has won several national and international accolades, from the Most Promising CEO Award to World's Best Leader title including the 'Swachh Bharat Ratna Award' & 'SCOPE Leadership Excellence Award'.

The Institute of Directors has great pleasure to confer the 'IOD's Distinguished Fellowship – 2018' on him. ■



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IOD Distinguished Fellow

Mr. Kuljit Singh Popli

Chairman & Managing Director
Indian Renewable Energy Development Agency Limited (IREDA)

Mr. Kuljit Singh Popli is the Chairman & Managing Director of IREDA which is a pioneering developmental financial institution dedicated to financing renewable energy and energy efficiency in India.

Under his leadership, IREDA has been positioned on an exponential growth trajectory as the most credible and important institution in the Renewable Energy space in India. He has been instrumental in bringing out several new and innovative financial products/ schemes, to help meet the financing requirements of the renewable sector. IREDA has also been doing notable work under CSR and Sustainable Development.

Mr. Popli has rich experience of working for over 36 years in India's Power Sector, with National Hydroelectric Power Corporation (NHPC) and Power Finance Corporation (PFC).

He is on the management boards of several organizations of national importance, and also an official member of various high-level official committees in the field of Renewable Energy & Energy Efficiency. He is Country Representative, for International Solar Alliance.

The contributions made by Mr Popli to IREDA, his profession and society at large have been well recognized through several top honours received by him and IREDA

Mr. Popli is a leading technocrat, an Engineer with added expertise in Finance and Law.

The Institute of Directors has great pleasure to confer the 'IOD's Distinguished Fellowship – 2018' on him.

SUMMARY OF RECOMMENDATIONS

The biggest impact of corporates could be their contribution to manage global warming. Directors should ask the challenging questions that those with vested interests choose to ignore. They should look beyond rhetoric at implications and realities. They should prepare for the consequences of climate change, including natural disasters.

1

Effective directors do not take anything for granted. They are open to possibilities and look beyond ideas. One cannot copyright an idea, only a particular and tangible expression of it. The directors should assist in controlling the risk and promote innovations.

2

Assumptions should be challenged and expectations should be questioned. The directors should have the courage to reinvent and lead companies in the new direction. They should promote adoption of new and more sustainable business models and life styles. Resilience in activities should be supported so that the societies can face sudden and potentially disruptive events.

3

Directors need to be self-aware. They should not view the sharing of economy as a threat to future output growth. Alternatively, they should view it as an arena of opportunity in which with the right business models could build a new sustainable global business that is more valuable than the current one.

4

Boards need to be faster and more flexible in responding to challenges and opportunities. Those who are involved in futuristic vision and who read the road ahead often say that the humanity is running out of road. The cost, disruption and pain of delaying the business, economic and social transformations are likely to rise exponentially and the actions are to be taken right now.

5

Boards need to give more attention to relevant UN -17 Sustainable Development Goals, especially those that can be changed. Directors need to think circular economy and consider the life cycle impacts of corporate offerings. Sustainability discussions need to embrace supply chain. More thoughts should be given to how technology can address pollution and climate change issues.

6

India is becoming more involved in international discussions and is now getting to influence them. Collaboration and cross border partnerships should be encouraged and wherever necessary India should provide backup support in terms of institutional mechanism, competence building, skills development and technology transfer so as to promote climate resilient development.

7

Companies should play their part in engaging with young people and children in schools to make them aware of environment and climate change issues and life style choices. School and college going students must be taught and made aware about production and consumption choices that are sustainable.

8

Disaster risk reduction needs wide spread main streaming and should be promoted at all levels by the government and private sector through public-private partnership with actions conforming to national action plan for disaster risk reduction.

9

Economy and ecology should converge for the required eco-innovations which are needed on urgent basis for making global sustainability a reality. Eco-innovation should focus on applications requiring material management, energy efficiency and recycling.

10

A balance should be maintained between business profitability and sustainability. The concern for sustainability should be integrated in basic designs of products and processes and business entities should strictly comply with the environmental laws.

11

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