

## 10<sup>th</sup> World PetroCoal Congress-2020

15-17 February 2020 at Convention Centre-NDCC, Parliament Street, New Delhi, India

Theme : ***Petroleum-Coal-Gas: Innovation and Technology for a Sustainable Future***

Organised by **Energy And Environment Foundation**

Supported by **Ministry of Petroleum & Natural Gas, Government of India**  
**Ministry of Coal, Government of India**  
**Ministry of Science & Technology, Government of India**  
**NITI Aayog**



The 10<sup>th</sup> World PetroCoal Congress-2020 was organised at New Delhi, India, during February 15-17, 2020, with the participation of 355 national and international delegates from Austria, Australia, Brazil, Canada, India, Italy, Japan, Singapore, UK, USA. The Conference brought together leading international and domestic players, policy makers, government officials and technocrats on a common platform. The theme of the 10<sup>th</sup> World PetroCoal Congress, “**Petroleum-Coal-Gas: Innovation and Technology for a Sustainable Future**”, provided an appropriate platform for taking stock of new fossil fuels, cleaner use of existing fuels and the need for closer networking among the various agencies handling different fuels for synergising their operations and strategies to achieve higher value addition to secure and depleting resources, enhancing benefits to society, and encouraging better environmental management.

The 10<sup>th</sup> World PetroCoal Congress 2020 was inaugurated by **Mr. Dharmendra Pradhan**, Hon'ble Union Minister of Petroleum & Natural Gas and Minister of Steel, Government of India on 15<sup>th</sup> February 2020 and highlighted the importance of petroleum & coal sectors for greater cost efficiency and effective risk management by deploying state-of-the-art technologies. The industry must create a supporting framework to drive innovation & create new business models. The Government continues to follow the mantra of 'Reform, Perform and Transform' in energy sector through proactive and far-reaching policies and market reforms in E&P, refining, marketing, natural gas, global co-operation and alternative fuels like ethanol and bio-diesel. Our target to transform India into a \$5 trillion economy by 2024 requires major energy transition involving all sources of energy. Speaking on the inaugural function **Mr. Anil Kumar Jain**, Hon'ble Secretary Ministry of Coal, Government of India gave emphasis on reducing the entry barriers in coal mining which will have a spin effect on the GDP growth and the economy. **Dr. Plinio Nastari**, President DATAGRO and Representative at Brazil's CNPE Brazil emphasized on Advanced Biofuel and 1G/2G Ethanol in India. **Mr. Anil Razdan**, Chairman, Energy And Environment Foundation gave emphasis on the synergy for energy for a sustainable development, **Mr. S. K. Srivastava**, Former Secretary Ministry of Coal, Government of India highlighted the importance of energy security and sustainability. **Dr. Anil K. Garg**, President, World PetroCoal Congress emphasised the importance of global cooperation in exploration, production and cleaner use of the fossil fuels, ensuring cleaner options in Petroleum, Coal & Gas Sectors for the greener plant.

At the inaugural ceremony of the congress, **Mr. Dharmendra Pradhan**, Hon'ble Union Minister of Petroleum & Natural Gas and Minister of Steel, Government of India gave away the prestigious “**Energy And Environment Foundation Global Excellence Awards 2020**” in the **Environment, Biofuel, Petroleum, Coal and Gas Sectors**. Energy And Environment Foundation conferred the Excellence Award to

**Mr. Nobuo Tanaka** Former Executive Director, International Energy Agency and Chairman of The Sasakawa Peace Foundation Japan for providing transformational leadership, institution building and for their **excellent contribution** in **Environment Sector**. **Dr. SSV Ramakumar** Director (R&D), Indian Oil Corporation Limited was conferred the Global Award in Biofuel Sector for demonstrating excellence, creativity, research and innovation. In Coal Sector **Mr. Gopal Singh** Chairman-cum-Managing Director Central Coalfields Limited were awarded for their outstanding contribution in Coal Sector especially for promoting clean coal technologies and sustainability. **Dr. B. S. Negi** Former Member, Petroleum & Natural Gas Regulatory Board was conferred the Global Award in Gas Sector for excellence, creativity, business acumen and innovation.

The concurrent conference sessions were comprised of Plenary Session on “**Fossil Fuels and Environment**”, “**Greening of Coal: Global & Indian Scenario**” and “**Natural Gas: Fuelling the Future**”, keynote sessions on “**Clean Coal Technologies, Coal Gasification and Coal-to-Liquid Conversion**”, “**Unconventional Hydrocarbons: Shale Gas, CBM & Gas Hydrates**”, “**Innovations: Industry Initiatives for Sustainability & Climate Change**”, “**Technology, Innovation and Investment for a Net-Zero Emission Fuel**” and “**Future Energy Landscape: New Fuel Markets and Global Opportunities**” were highlights of the Congress. Interesting, interactive panel discussions on “**Skill Development & Capacity Building in Energy Sector**” environmentally friendly solutions for Coal handling and loss prevention was also discussed. All distinguished participants interacted and viewed various technologies and products on display.

The Conference served as a platform and an important gateway for worldwide energy companies to access the Indian market to foster partnerships and collaborations with local players.

The Congress was supported by Ministries of Petroleum & Natural Gas, Ministry of Coal, Department of Science & Technology, Government of India, NITI Aayog and sponsored by **Coal India Limited, ONGC, IndianOil Corporation, NTPC Limited, GAIL (India) Limited, Oil India Limited, Adani and ACB (India) Limited**. Large number of professional associations, media partners supported this international Congress. PwC - PricewaterhouseCoopers was the Knowledge Partner of the Conference.

#### **The following resolution was adopted in the Congress:**

- HELE power systems through ultra-supercritical (USC)/advanced USC power plants fitted with modern emission control devices and CCS/CCUS technologies will be the future for coal combustion. Coal-to-gas, coal-to-liquid and coal-to-chemicals should be the new thrust areas for the coal industry. Appropriate financing should be organized through clean energy cesses.
- Disruptive new technologies are emerging both for power generation and automotive fuels. The recent drop in the tariff of renewable energy and storage technologies will heighten the need to clean up existing fossil fuel technologies for their own sustainability.
- The emergence of new biofuels will help in decarbonisation of the global economy. These technologies need to be encouraged in the developing countries.
- Cheaper finance for clean energy projects will make them viable commercially. Otherwise they will not be able to compete with the established energy and fuel industry.
- To overcome hardship of small and decentralized projects, appropriate finance portfolio models are necessary, particularly in developing countries.
- A merit criteria be developed for the desirable energy establishments of the future so that special concessional credit is available for new ventures. Research & Development in such areas has to be actively encouraged by the Governments.
- Biofuels could create more jobs across geographies than traditional fuels.
- Integrated energy systems will need to be developed depending upon resource availability and skilled manpower. An authentic data base of resources, natural as well as human, will be essential for effective planning and coordination.
- Technology transfer to developing and emerging economies will facilitate a smoother, faster and less painful energy transition.
- Energy storage and balancing projects will need to be actively promoted.
- For all energy projects, the complete value chain, including the environmental as well as food chain will need more innovative management.

Energy And Environment Foundation invites the **global energy community to assemble again at New Delhi, India in 15<sup>th</sup> to 17<sup>th</sup> February 2021 for the 11<sup>th</sup> World PetroCoal Congress-2021.**

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