



**Research Unit**  
Press Information Bureau  
Ministry of Information and Broadcasting  
Government of India



## G20 Series #87

### India's G20 Presidency

#### 4<sup>th</sup> Energy Transitions Working Group (ETWG) meeting

(Goa– July 19 - 20, 2023)

(Ministry of Information & Broadcasting)

August 18, 2023

*“India is one of the strongest voices in the world for energy transition and for developing new resources of energy. Unprecedented possibilities are emerging in India that is moving with a resolution of a Viksit Bharat.”*

[- Prime Minister Narendra Modi](#)

The 4<sup>th</sup> Energy Transitions Working Group Meeting (ETWG) under India's G20 Presidency was held in Goa from July 19 - 20, 2023. The two-day meeting witnessed proactive engagement from over 115 delegates representing G20 member countries and nine invitee countries. The 4<sup>th</sup> ETWG Meeting was chaired by the Secretary, Ministry of Power, Govt. of India, Shri Pankaj Agarwal, who serves as the ETWG Chair.

The discussions centered on critical challenges related to climate change, sustainability, energy security, equitable energy access, and financing, in the context of global energy transitions. The meeting emphasized the urgent need for feasible, collaborative, and accountable policy actions to accelerate global energy transitions while ensuring universal energy access and just, affordable, and inclusive energy transitions in line with achieving Sustainable Development Goals (SDGs).

The key highlight of the 4<sup>th</sup> ETWG meeting was detailed discussions on the draft Ministerial Communique. The Meeting was complemented by various side events such as –

#### **‘Enabling policies to accelerate e-mobility’**

A one-day conference titled "**Policy Support & Enablers to Accelerate India's Electric Mobility**", organized by NITI Aayog and supported by WRI India and Asian Development Bank was held on the sidelines of the 4<sup>th</sup> Energy Transition Working Group (ETWG) meeting under India's G20 Presidency. The conference served as a crucial platform to convene national and international stakeholders, engaging in meaningful discussions and exploring viable financing, regulatory, and policy avenues to catalyse India's decarbonization trajectory and advance the growth of electric mobility in the country.



NITI Aayog Vice Chairman Shri Suman Bery, Chief Minister of Goa Dr. Pramod Sawant, India's G20 Sherpa Shri. Amitabh Kant and other prominent dignitaries were present on the occasion.

The conference featured in-depth discussions revolving around key themes, such as '**Develop Vibrant EV Ecosystem in States**' and

**'National Electric Bus Programme.'** Moreover, high-level dialogues and G20 talks centered on Electric Vehicle Finance Innovations and the Future Electric Mobility Landscape, which offered valuable insights for stakeholders to navigate the evolving electric mobility ecosystem.

Chief Minister of Goa, Dr. Pramod Sawant, made a significant announcement during the event, showcasing Goa's commitment to eco-friendly transportation. Starting in 2024, all new tourist vehicles in the state will be mandated to be electric, signifying a significant leap in Goa's journey toward sustainable mobility. Additionally, permit holders overseeing multiple vehicles, including rental cars and bikes in Goa have pledged to electrify 30% of their fleet through retrofitting by June 2024, contributing to the state's electrification efforts.



### ['Promoting solar energy for universal energy access'](#)

The Ministry of New and Renewable Energy (MNRE), Government of India, in association with the International Solar Alliance, released a **Roadmap of Solar Energy for Universal Energy Access**. A workshop and panel discussion were held, where energy access issues and solutions were deliberated upon. The workshop and panel discussion can be watched [here](#).

Addressing the workshop, the **Secretary, Ministry of New and Renewable Energy, Government of India, Shri Bhupinder Singh Bhalla**, highlighted: *"The challenge to provide Universal Energy Access cuts across other global energy transition issues and hence, unless we make rapid strides towards providing reliable, sustainable, and affordable*



energy access to all, our progress in other areas will get hampered. India has made ambitious commitments as part of our transition towards clean energy. We are planning to achieve 50 percent cumulative electric power installed capacity from non-fossil fuel-based energy resources by 2030. Through this report on 'Roadmap of Solar Energy for Universal Energy Access', developed under India's G20 presidency in 2023, we aim to showcase how solar energy, in its various configurations, can play a key role in achieving electricity access and in providing socio-economic benefits in countries around the world."

Check out the Roadmap of Solar Energy for Universal Energy Access [here](#).

### 'DRE applications for achieving SDG7 goals'



What is the role of Decentralized Renewable Energy (DRE) in achieving Sustainable Development Goal 7, that of ensuring access to affordable, reliable, sustainable, and modern energy for all? This was the question explored at a side event held in Goa, as part of the fourth and final Energy Transitions Working Group meeting under India's G20 Presidency.

Addressing the inaugural session of the side-event, the **Secretary, Ministry of New and Renewable Energy (MNRE), Government of India, Shri Bhupinder Singh Bhalla**, said: "Universal energy access has been the core facet of the global energy transition and the G20 is highlighting it. For this, Decentralised Renewable Energy (DRE) must be at the center of just and inclusive global energy transitions. But no one can act alone and countries need to cooperate here. With strong growth in renewable energy and faster adoption of DRE applications, India is at the forefront of the clean energy transition."



The side-event, hosted by the Ministry of New & Renewable Energy, with support from the Council on Energy, Environment and Water (CEEW) and the Solar Energy Corporation of India Limited (SECI), focused on the role of Decentralized Renewable Energy (DRE) in bridging the energy access gap — both as an alternative and as complementary to centralised grid systems.

The other two side events held were ‘Drive for advancing knowledge and solutions through aggregation in energy efficiency’ and ‘Powering progress in Global South – accessible and affordable clean energy for all.’

### 14th Clean Energy Ministerial and 8th Mission Innovation Meeting

On the sidelines of the ETWG meeting, the 14<sup>th</sup> Clean Energy Ministerial and 8<sup>th</sup> Mission Innovation Meeting commenced with great enthusiasm and active participation from more than 34 member countries. The event began with a warm welcome from the Government of India, followed by special addresses by other CEM Troika members (USA and Brazil) and remarks from CEM and MI Secretariats. The theme for this year was "Advancing Clean Energy Together."



Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr. Jitendra Singh addressed the Clean Energy Ministerial (CEM -14) 8th Mission Innovation (MI-8) in virtual mode. He called for affordable Clean Energy solutions and said in order to achieve this goal, strong Public Private Partnership is the need of

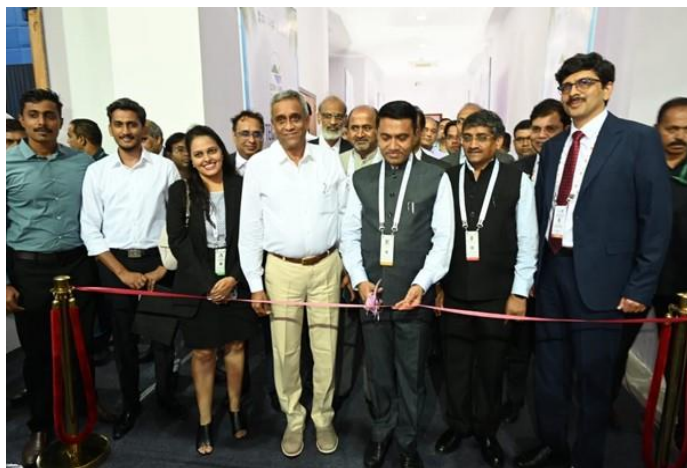
the hour. He also reiterated Prime Minister Narendra Modi's commitment to this cause.

Dr. Jitendra Singh recalled that the Clean Energy International Incubation Centre known as CEIIC is a first of its kind International Incubation Centre jointly established by DBT/BIRAC, Tata Trust & Tata Power in 2018 under Mission Innovation multilateral program. He said, this reflects strong Public Private Partnership commitment from Govt of India for promoting clean energy solutions.

The CEM witnessed an impressive attendance of more than 800 individuals, including CEM work-stream coordinators, international agencies, researchers, policy experts, industry professionals, and more. Additionally, the event featured about 30 side events organised by over 50 partners. These side events focused on various themes such as energy efficiency, clean fuels, clean power, mobility and industry decarbonisation.



CEM14/ MI8 also featured a public-facing Technology and Cultural showcase demonstrating cutting-edge advances in clean energy from India and around the world. The Technology and Cultural Showcase was inaugurated by the Chief Minister of Goa Dr. Pramod Sawant.



The Technology Showcase featured new and emerging technologies like Electric Vehicles, Hydrogen, and other clean technologies from across the world. Technology showcase was organized under three parts,

1. Vehicle and Charging Infrastructure Showcase (by [SIAM](#), [TERI](#), [CALSTART](#), and [Drive to Zero](#)),
2. Mission Innovation (by [Department of Science and Technology](#)),
3. Clean Tech Start-up ([TERI](#)).

The following sessions and events held during the CEM14/ MI8 are as follows:

1. **'Financing Carbon Capture, Usage and Storage'**: The session aimed to bring together commercial banks, multilateral development banks, governments, and industry representatives. The main focus of this event was to explore strategies and ideas on how to make the financing of carbon management projects more attractive.
2. **'Global Carbon Management Challenge'**: The event highlighted key success factors for implementation that included workable incentivising policy frameworks, suitable financial frameworks and timely appraisal of geological CO2 storage opportunities.
3. **'Hydrogen – the Nordic Rally to the Valley and Nordic Green Sailing'**: This session was organised by Nordic Green Valley and it focused on how closer cooperation and knowledge sharing between the Nordic and other countries can speed up rapid innovation and deployment of Hydrogen Valleys.
4. **'Clean fuels'**: This session deliberated on concerns related to the sustainable production and use of biomass feed-stocks to slow the needed expansion of appropriate uses of biomass to produce renewable fuels, chemicals, and materials.
5. **'Collaboration for Advancing Global Action on Sustainable Cooling'**: This session highlighted



sustainable cooling as a priority topic of discussion while encouraging global action.

6. **‘Gigatonne Opportunity Initiative event’**: A coalition of private and public stakeholders agreed to collaborate to deliver solutions on the gigatonne scale and present strategies to relevant stakeholders at COP28. This call to action comes from the UNFCCC Global Innovation Hub, which also participated in the event.
7. **‘Energy compacts’**: India's dedication to a clean energy future and its commitment to SDG7 were highlighted through various ambitious Energy Compacts established by government partners, private sector stakeholders, and multi-sector collaborations.

The possibilities of diverse carbon removal technologies in aiding the pursuit of net-zero emissions were also part of the discussion.

On the sidelines of the 4<sup>th</sup> ETWG Meeting, G20 India delegates deliberated on **'Drive for Advancing Knowledge & Solutions Through Aggregation in energy efficiency (DAKSHTA)'**.



**India proposed the launch of the Green Hydrogen Innovation Centre and the Global Biofuel Alliance.**

### **References:**

[4<sup>th</sup> Energy Transitions Working Group \(ETWG\) meeting under India's G20 Presidency to be held in Goa on July 19-20, 2023](#)

[4<sup>th</sup> Energy Transitions Working Group \(ETWG\) meeting under India's G20 Presidency to be held in Goa on July 19-20, 2023](#)

[NITI Aayog organizes Conference on E-Mobility on the sidelines of the 4th G20 Energy Transitions Working Group Meeting](#)

[Union Minister for Science and Technology Dr Jitendra Singh calls for affordable Clean Energy solutions and says, in order to achieve this goal, strong Public Private Partnership is the need of the hour](#)

[14<sup>th</sup> Clean Energy Ministerial and 8th Mission Innovation Meeting begin in Goa on the sidelines of the 4th Energy Transitions Working Group \(ETWG\)](#)

[Final Energy Transitions Working Group Meeting under India's G20 Presidency Concludes](#)

[Distributed Renewable Energy can help achieve SDG 7 – access to affordable & sustainable energy for all: G20 Energy Transitions Working Group Side-event](#)

[Achieving Universal Energy Access by 2030, as outlined in Sustainable Development Goal 7, requires Increased Efforts on Solar Mini-grids](#)

### **Twitter Links:**

[Under #G20, the #ETWG has been serving as a critical platform for discussions focused on achieving a sustainable global economy since 2018.](#)

[Enhancing universal access to sustainable energy!](#)

### **Video Links:**

[Press Briefing on 4th Energy Transitions Working Group Meeting in Goa](#)

[Workshop on Solar Energy for Universal Energy Access](#)

[Role of Decentralised Renewable Energy to Achieve SDG](#)

**NR/HP/RK/KG**