

F.No.P-11026/20/2015-Pet (P&E)
Government of India
NITI Aayog
(Energy Vertical)

NITI Bhawan, Sansad Marg, New Delhi
Dated: January 28, 2022

OFFICE MEMORANDUM

Subject: Composition of “India Climate and Energy Modelling Forum (ICEMF)” and Terms of Reference (ToR)

In reference to this office communication of even number dated 08th October 2020 on the above mentioned subject, with partial modifications, the composition and ToR of India Energy Modelling Forum (IEMF) has been modified as per following:

To meet the “Panchamrit” commitments made during COP26, the scope of IEMF has been expanded to include climate and economic modelling. Accordingly, with the approval of the Competent Authority, the composition of IEMF has been broadened and re-named as “India Climate and Energy Modelling Forum (ICEMF)” The composition and ToR of ICEMF are described below:

1. The forum will aim at engaging researchers, knowledge partners, think tanks of national and international repute who deal in climate, energy and economic modelling and long term planning exercises. The forum will work in developing policy solutions to support decarbonisation, clean energy transition, net zero pathways, energy independence and energy security, including their economic linkages.
2. As part of the two-tier governing structure of the ICEMF, an **Inter-Ministerial Committee (IMC)** and a **Steering Committee (SC)** have been constituted.
3. The Inter-Ministerial Committee (IMC) to be headed by CEO, NITI Aayog comprising senior officials from relevant ministries and departments with the following composition.

Composition of IMC

- i. CEO, NITI Aayog..... Chairperson
- ii. Secretary, Ministry of Petroleum and Natural Gas (MoPNG)
- iii. Secretary, Ministry of Power (MoP)
- iv. Secretary, Ministry of New and Renewable Energy (MNRE)
- v. Secretary, Ministry of Coal (MoC)
- vi. Secretary, Ministry of Environment, Forest and Climate Change (MoEF&CC)
- vii. Secretary, Department of Science and Technology (DST)
- viii. Secretary, Ministry of Agriculture and Farmers’ Welfare
- ix. Secretary, Ministry of Housing and Urban Affairs
- x. Secretary, Ministry of Road Transport and Highways
- xi. Secretary, Ministry of Steel

- xii. Secretary, Ministry of Chemicals and Fertilizers
- xiii. Secretary, Department of Economic Affairs
- xiv. Additional Secretary (Energy), NITI Aayog
- xv. Convener, Adviser (Energy), NITI Aayog

Terms of Reference (ToR) of IMC

- i. To review the studies and modelling activities on a half yearly basis or as the need arises
- ii. To provide policy advice and direction for new areas of research
- iii. May co-opt members to support the IMC

4. The Steering Committee (SC) with the following composition and ToR.

The SC will be as per the following composition with NITI Aayog as the convener.

| | |
|---|---|
| Government | Representative of MoEF&CC, MNRE, MoSPI, MoPNG, MoP, MoC, MoRD, MoA&FW, MoHUA, DST, DAE, CEA, BEE, TIFAC, CCO, PPAC, NITI Aayog |
| Policy Research Organizations/ Think Tanks/ Funding Agencies | Prayas Energy Group, Shakti Sustainable Energy Foundation, CEEW, CSTEP, IRADe, TERI, GIZ, DFID, WRI, PNNL, IIASA, LBNL, World Bank, Vasudha Foundation |
| Industry | Representative of FICCI, CII |
| Academia | IIM Ahmedabad, Department of Energy Science and Engineering (IIT Bombay), Centre for Energy Studies (IIT Delhi), Centre for Energy Regulation, and Energy Analytics Lab (IIT Kanpur), IIT Roorkee, IIT Bhubaneshwar, NCAER, IEG, Faculty of Economics (University of Cambridge) |
| Convener | Adviser (Energy), NITI Aayog |

Terms of Reference (ToR) of Steering Committee (SC)

- i. The Steering Committee would short-list the policy issues to be taken up for study/research/ modelling and will be responsible for technical guidance throughout.
- ii. The Committee will be empowered to appoint specific Working Groups or Task Forces to carry out the specific studies in different areas identified by the Steering Committee or as advised by the IMC.
- iii. The Committee, based on consultation with the Working Groups (or Task Forces) and consensus arise in the SC, will explore the source of funding for various studies. The funder can directly provide funding to working group/task force.

- iv. The Committee would aid in development of common guidelines for data management based on consensus of its members.
 - v. The Committee would engage with Principal Secretary (Energy) or Nodal Department of states for understanding the local constraints and requirements, and provide necessary support to ICEMF.
 - vi. Additional members could be co-opted to the Steering Committee as and when needed for specified periods of time, based on the specific requirements by the Steering Committee
5. The **Secretariat** of the ICEMF would be housed in Energy Vertical, NITI Aayog, and would be responsible for performing the following functions:
- i. The Secretariat would convene the Inter-Ministerial Committee (IMC).
 - ii. The Secretariat would convene the Steering Committee (SC).
 - iii. The Secretariat will examine and maintain the comprehensive India Energy Dashboards (IED). If required, the Secretariat may collaborate with relevant partner(s).
 - iv. The Secretariat would be the interface between the IMC and the SC.



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To:

1. Secretary, Ministry of Petroleum and Natural Gas (MoPNG)
2. Secretary, Ministry of Power (MoP)
3. Secretary, Ministry of New and Renewable Energy (MNRE)
4. Secretary, Ministry of Coal (MoC)
5. Secretary, Ministry of Environment, Forest and Climate Change (MoEFCC)
6. Secretary, Department of Science and Technology (DST)
7. Secretary, Ministry of Agriculture and Farmers' Welfare
8. Secretary, Ministry of Housing and Urban Affairs
9. Secretary, Ministry of Road Transport and Highways
10. Secretary, Ministry of Steel

11. Secretary, Ministry of Chemicals and Fertilizers
12. Secretary, Department of Economic Affairs
13. Coal Controller Organisation
14. Petroleum Planning and Analysis Cell
15. Ministry of Rural Development
16. Ministry of Statistics and Programme Implementation
17. Department of Atomic Energy (DAE)
18. Central Electricity Authority
19. Bureau of Energy Efficiency
20. TIFAC
21. FICCI/ CII
22. IIM Ahmedabad/ IIT Bombay/ IIT Delhi/ IIT Kanpur/ IIT Roorkee/ IIT Bhubaneswar/ NCAER/ IEG/ University of Cambridge
23. CEEW/ CSTEP/ IRADe/ TERI/ WRI/ Prayas Energy Group/Shakti Sustainable Energy Foundation/ GIZ/DFID/PNNL/IIASA/ LBNL/ World Bank/ Vasudha Foundation

Copy to:

1. PS to Vice-Chairman, NITI Aayog
2. PS to Member (VKS)
3. PPS to CEO, NITI Aayog
4. Additional Secretary (Energy), NITI Aayog
5. Adviser (Energy), NITI Aayog