

Minutes of Third IETP Meeting

Date: Monday, April 8, 2019

Time: 3 pm to 6 pm

Venue: Shakti Sustainable Energy Foundation Office, Munirka, New Delhi

Attendees:

- Shakti Sustainable Energy Foundation (Shakti):
 - Mr. Krishan Dhawan
 - Mr. Chinmaya Acharya
 - Mr. Pustav Joshi
 - Mr. Vivek Sen
 - Ms. Disha Agarwal
 - Ms. Elisha George
 - Mr. Jaideep Saraswat
- Center for Study of Science, Technology and Policy (CSTEP):
 - Dr. Anshu Bharadwaj
 - Ms. Poornima Kumar (remotely)
- Swiss Agency for Development and Cooperation (SDC):
 - Ms. Marylaure Crettaz, Head, Swiss Cooperation Office India, Embassy of Switzerland
 - Dr. Anand Shukla, Senior Thematic Advisor at SDC, Embassy of Switzerland

Core Group members:

- Mr. Pankaj Batra, Former Chairperson, Central Electricity Authority
- Dr. Arunabha Ghosh, CEO, Council on Energy, Environment and Water (remotely)
- Dr. Satish Kumar, President and Executive Director, Alliance for an Energy Efficient Economy
- Prof. Ayodhya Tiwari, ETH Zurich (remotely)
- Dr. Anup Bandivadekar, Program Director, International Council on Clean Transportation
- Mr. Shalabh Tandon, Regional Head of Operations, International Finance Corporation
- Dr. Indradip Mitra, representing Dr. Winfried Damm, GiZ
- Mr. Vishnu P. Sudarsan and Mr. Kartikeya G.S., representing Mr. Amit Kapur, J. Sagar Associates
- Mr. S. K. Soonee, Advisor, Power System Operation Corporation Limited (remotely)

Core Group members and special invitees not present:

- Dr. Geeta Gouri, Former Member, Competition Commission of India
- Dr. R. R. Sonde, Thermax
- Prof. Geetam Tiwari, Indian Institute of Technology, Delhi
- Mr. Chetan Maini, SunMobility

- Mr. Dipak Dasgupta, The Energy and Resources Institute

Meeting Proceedings:

The primary objective of the third meeting of the IETP was to finalize research themes to be taken up further. Prior to this meeting, the Core Group participated in a survey that captured their preferences and inputs on the list of ideas that had been generated during previous meetings.

The key proceedings are as follows:

- The Secretariat briefly presented the shortlisted topics – energy efficient air conditioning, industrial process heating/cooling, decentralised energy generation and consumption, and innovations on contracting structures for thermal power plants.
- There was consensus among members that *energy efficient air conditioning* would be better explored as *space cooling*.
- The group agreed that the titles of each project should be rearticulated to reflect the objectives of IETP better.
- *Innovations on contracting structures for thermal power plants* can be broadened to include reformative actions that could support large-scale integration of renewable energy. This would include assessing the role of grid-scale storage, alternate flexibility options and better contracting structures.
- The group agreed that it would be worthwhile to include a justification of each idea through back-of-the-envelope calculations that showed their outcomes, impact and game-changing potential.
- Trigeneration was discussed as an opportunity for research under the industrial process heating/cooling idea.
- Based on the objectives of IETP and its future potential, geoengineering can be included in the list of ideas that will be further researched.
- Each shortlisted idea would require a set of mentors to guide the research. The role of mentors would be to provide inputs on the proposal (including the scope, activities, approach and methodology) and advise the research team over the course of the project.
- Based on their expertise, members of the Core Group were also requested to brief the IETP on specific ideas during subsequent meetings.

Next steps:

- The Secretariat will send revised concept notes and ToR documents of the shortlisted topics for review by the IETP Core Group.
- Members of the Core Group are requested to volunteer as mentors for the final research projects.
- Dr Arunabha Ghosh has offered to discuss geoengineering at the next IETP meeting.

