UNIVERSITY OF BIRMINGHAM | THE INSTITUTE FOR GLOBAL INNOVATION

JUICE Joint UK-India Clean Energy Centre

Diesel generators and alternative technologies: Energy, Environment and Policy in India

29th July 2021

About the workshop

Overview: Diesel Generators (Gensets, DGs) are used extensively for a variety of applications in residential, agriculture, commercial as well as industrial sectors. DGs are very attractive for power backup due to their ease of transportation, installation and operation, as well as easy availability of diesel fuel. However, DGs contribute to the environmental problems (air and noise pollution) with accompanying risks to human and ecological.

There are various alternatives to DGs, including renewable energy systems including solar photovoltaics (PV) and wind generation, substituting DGs with PV and battery energy storage systems or even blending diesel with biofuels. However, despite the substantial developments in alternative technologies, DGs still represent a major component of India's power generation and backup systems.

This workshop brings together experts from academia, industry, policy, and research organizations to discuss the barriers to the uptake of alternative technologies in DGs and effective implementation strategies. The workshop will discuss the prospects for deployment of alternative DG technologies, and the required policies and business models to support them.

- The workshop will be held on Zoom (online) and participants can join through registering via given Zoom links below. After registering, you will receive a confirmation email containing information about joining the workshop.
- Please send us an email at a.singh.2@bham.ac.uk (Dr Ajit Singh) or a.p.joshi@bham.ac.uk (Dr Amruta Joshi), if you have any queries.

Schedule and program

UK Time	*Join on Zoom (Register in advance to join this workshop)* *Registration Link: https://bham-ac-uk.zoom.us/meeting/register/tZIlc-Ggpz8vHdb0cZxmJo_EV5BosH8uYPQs* *After registering, you will receive a confirmation email containing information about joining the workshop.*	
08-50-09:00	**Virtual Arrival – Informal Discussions**	*Chair* - Prof Francis Pope
09:00-09:05	Opening Statements and overview of workshop	Dr Jonathan Radcliffe
Session 1: Introductory talks on Diesel generators, alternatives and air pollution		
09:05– 09:25	University of Birmingham	Dr Jonathan Radcliffe
09:25– 09:45	IIT Delhi	Prof Mukesh Khare
09:45– 10:00	Brief discussion	All speakers
Session 2: Technology assessments		
10:00– 10:20	Cummins India	Dr Anuradda Ganesh
10:20– 11:05	Break-out group discussion 1	2 groups (All panelists)
11:05– 11:15	**Tea Break**	
Session 3: Implementation		
11:15– 11:35	Policy	TBC
11:35– 12:20	Break-out group discussion 2	2 groups (All panelists)
12:20– 12:25	Closing statement	Dr Jonathan Radcliffe

Panel members:

Name	Organization
Dr. Arunabha Ghosh	Council on Energy, Environment and Water (CEEW)
Balawant Joshi	IDAM Infrastructure Advisory Private Limited
Prof. Bhim Singh	IIT Delhi
Chandra Bhushan	International Forum for Environment, Sustainability & Technology (iFOREST)
Gordon Allison	DustScan AQ
Hemant Mallya	Council on Energy, Environment and Water (CEEW)
Dr Pallavi Pant	Health Effects Institute, USA
Paul Andrews	Oaktec
Prof. Pratibha Sharma	IIT Bombay
Dr. Prabodh Bajpai	IIT Kharagpur
Prarthana Borah	Clean Air Asia
Dr. Rahul Walawalkar	India Energy Storage Alliance (IESA)
Prof. Rangan Banerjee	IIT Bombay
Dr. Rashi Gupta	Vision Mechatronics Pvt Ltd
Dr. Som Mondal	TERI - The Energy and Resources Institute