

Workshop on Clean Air for Blue Skies

Racing for Clean Air – Every Breath Matters

September 05-07, 2025

Background

Air pollution is the single greatest environmental health risk of our time causing around 8.1 million premature deaths annually from conditions such as stroke, heart disease, lung cancer, and acute respiratory infections. Without aggressive intervention, this number is projected to rise by over 50% by 2050 due to ambient air pollution.

This is a global crisis with far-reaching consequences. Air pollutants travel vast distances, affecting regions far from their source. In addition to harming human health, air pollution exacerbates climate change, causes economic losses, and reduces agricultural productivity.

Poor air quality is a challenge in the context of sustainable development for all countries, in particular in cities, urban and industrial areas in developing countries, with levels of air pollution that are higher than the limits set out by the Central pollution Control Board and the World Health Organization. We're Racing for Clean Air. By tackling air pollution proactively, we can achieve transformative change and secure healthy air for all.

About The Workshop

This workshop has been planned to create awareness among individuals, communities, industry operators, regulators and school children about the importance of clean air for health, productivity, economy and environment. The workshop will provide a platform to diverse group of industries, urban local bodies, academicians and researchers to share the latest innovations, best practices, and cost-effective strategies to mitigate the impacts of air pollution. The different industries will also present the innovative practices adopted by them for others to emulate.

About the Organizers

Sustainable Development Goal Committee, NIT Rourkela

The SDG Committee at NIT Rourkela is a dynamic platform committed to integrating the United Nations Sustainable Development Goals into the academic, research, and community outreach initiatives of the institute. Through interdisciplinary collaboration, awareness campaigns, and impactful projects, the committee fosters a culture of sustainability among students, faculty, and stakeholders. By aligning institutional efforts with global priorities such as climate action, quality education, and gender equality, the SDG Committee empowers the NITR community to become proactive agents of change for a more equitable and sustainable future. Notably, the diligent efforts and comprehensive reporting by the SDG Committee have significantly contributed to NIT

Rourkela securing the top position among all NITs in the QS World University Rankings for the last two consecutive years, whereas it ranks 19th nationally.

Regional Office – SPCB Rourkela

The Regional Office of the State Pollution Control Board (SPCB) in Rourkela plays a pivotal role in monitoring and regulating environmental standards across the region. Committed to safeguarding public health and ecological balance, the office actively enforces pollution control norms, conducts inspections, and facilitates compliance among industries and institutions. Through data-driven assessments, public awareness initiatives, and collaboration with local stakeholders, SPCB Rourkela ensures sustainable development while promoting transparency and accountability in environmental governance.

Rourkela Municipal Corporation

Rourkela Municipal Corporation (RMC) is the governing civic body responsible for the administration and development of Rourkela, a prominent industrial city in Odisha. Established in November 2014, RMC oversees essential urban services such as sanitation, road maintenance, street lighting, and waste management across the non-industrial zones of the city. Rourkela itself is known for its strategic location in the Sundargarh district, surrounded by hills and rivers, and is home to the Rourkela Steel Plant—one of the largest units of the Steel Authority of India Limited (SAIL). Rourkela Municipal Corporation (RMC) has been actively implementing a range of best practices to enhance urban governance, sanitation, and citizen engagement. Through platforms like SUJOG, RMC offers citizens access to online services including property tax payment, trade licenses, and building approvals, enhancing transparency and convenience in civic administration.

Themes

- Breathing Easy: The Right to Clean Air
- Health Impacts of Air Pollution
- Smart Air Quality Monitoring
- Management of Urban Air Pollution
- Cleaner Production for Cleaner Air
- Air Quality Modeling
- Leveraging technology for air quality management
- Air Pollution & Climate Change: A Twin Crisis
- Air Pollution and Agricultural Productivity
- The Economic Cost of Dirty Air
- Using AI and IoT to Improve Air Quality

Organized by



**Sustainable Development Goals Committee,
National Institute of Technology Rourkela**



**Regional Office, Odisha State Pollution Control
Board, Rourkela**



Rourkela Municipal Corporation, Rourkela

Supported by



**SDG Campus Club
NIT Rourkela**



**Youth Movement Federation
of India, Rourkela**

Organizing Committee

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