

Summary of the NTP on “Renewable Energy Strategies with Focus on Electric Vehicles and Other Emerging Green Energy Technologies”

From 25th to 28th August 2025

International Centre for Environment Audit & Sustainable Development (iCED) organised a National Training Programme on “Renewable Energy Strategies with Focus on Electric Vehicles and Other Emerging Green Energy Technologies” from 25th to 28th August 2025 at its own campus. A total of 23 participants from 08 field offices including 07 IA&AS officers participated in the training programme.



Group photo of NTP on “Renewable Energy Strategies with Focus on Electric Vehicles and Other Emerging Green Energy Technologies”

Dr. Abhishek Gupta, Director General of iCED in his inaugural speech, highlighted the necessity of the energy transition in India's renewable energy space. He highlighted that audit of renewable energy strategies has gained significance in view of India's Nationally Determined Contributions (NDCs) for climate action, submitted under the Paris Agreement, wherein it was committed to reduce the emissions intensity of its GDP by 45% by 2030. He emphasised that these training programme will provide a comprehensive understanding of the policy framework and the initiatives being taken by Government to promote the adoption of renewable energy and other green technologies in field of transportation in particularly, electrical vehicle and other modes like railways , urban mobility mediums etc.

During this five-day training programme, Faculties and Experts from IA&AD and various reputed organizations like TERI, Railway Board (New Delhi), Malaviya

National Institute of Technology (MNIT) Jaipur, WRI India and IIT-Delhi delivered sessions. The session-wise details are outlined below: -

SL	Session & Date	Faculty	Session
1.	Session I & II 25th August 2025	Shri Shirish Garud, Consultant, Electricity and Renewables Group, TERI, New Delhi	Renewable Energy: Emerging Trends, Key Challenges, Government Policies in reference to SDG-07
2.	Session III & IV 25th August 2025	Dr. Jaideep Gupta, Addl. Member Railway Electrification (RE), Railway Board, New Delhi	Indian Railways' Mission Net Zero 2030: Leveraging Green Energy Technologies and Electrification
3.	Session I & II 26th August 2025	Dr. Sanjay Mathur, Associate Professor, MNIT Jaipur	Energy Efficiency and Conservation
4.	Session III & IV 26th August 2025	Shri Arun Krishnan, Program Director, Climate Economics & Finance, WRI India	Roadmap to Atmanirbhar Bharat in e-Mobility: Aligning with India's Green Mobility Goals
5.	Session I & II 27th August 2025	Shri Sharif Qamar, Associate Director, Transport and Urban Governance, TERI	Decarbonizing Transportation: The Role of Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles (FAME) and other govt. policies
6.	Session I & II 28th August 2025	Dr. Kapil Pareek, Assistant Professor, Department of Center for Energy & Environment, MNIT, Jaipur	Green Hydrogen: Unleashing the Potential for Sustainable Energy Generation
7.	Session III & IV 28th August 2025	Dr. Geetam Tiwari, Professor, IIT Delhi	Greening the Transportation Sector in the Indian Cities
8.	Session III & IV 29th August 2025	Shri Pravir Pandey, ADAI (Railways), O/o C&AG of India, New Delhi	Audit Strategies for Greener Transport Programs of Indian Railways
			India's international commitments towards Decarbonisation - Realignment of Audit



Study Trip at Jaipur Railway Junction during NTP on “Renewable Energy Strategies with Focus on Electric Vehicles and Other Emerging Green Energy Technologies”

As part of the programme, a study tour was organized to the North Western Railway, Jaipur to demonstrate the practical aspects of railway electrification. Participants gained valuable insights into the implementation processes and operational challenges associated with railway electrification projects in Indian Railways. During the pre-valedictory session, 4 group presentations were made by the participants on topics as below:

1. Auditing the implementation of Renewable energy initiatives in Railways
2. Auditing the effectiveness of FAME -II scheme for promotion of Electric Vehicles in India
3. Audit of National Green Hydrogen Mission
4. Auditing the implementation of strategies for promotion of Electric Vehicles in India

The presentations were structured to address components such as risk factors, audit objectives, audit criteria, scope, and key lines of enquiry for auditing each topic. These group presentations were co-facilitated by Shri Teg Singh, Principal Director, Railway Commercial, New Delhi, Shri Mohd. Parwez Alam, AG (A&E), Uttarakhand; and Shri Hari Prakash, AG (Audit), Manipur and reviewed by Dr. Abhishek Gupta, Director General, iCED. and feedback were conveyed to the groups to make this exercise resulting into development of possible audit frameworks which could be used in future audits.

In recognition of insightful contributions by participants, they were suggested to develop their presentation into a comprehensive auditing framework for its practical application in future auditing exercises.

During valediction, comprehensive feedback was collected from participants on various aspects of the course, including its design, duration, content, delivery by the resource persons, and the facilities provided at iCED. The average participant rating was 9.17 out of 10, which is highly encouraging.

In his valedictory address, Dr Abhishek Gupta, Director General, iCED highlighted that the programme had significantly broadened participants' perspectives on Renewable Energy and provided valuable insights to strengthen Environmental Audit practices. He expressed confidence that the knowledge gained would not only accelerate the participants' learning but also enable them to apply these insights more systematically and effectively in their professional roles.

He also extended his gratitude to all participants and faculty members for their active engagement and valuable contributions.
