

Venue and accommodation

The hostel accommodation for the participants would be in the TERI RETREAT/TERI University. Both the training complexes are a demonstration of sustainable, green, and productive habitat created through application of scientific methods and technique. They both showcase the concept of modern green buildings. Both complexes have state of the art laboratory, library, well-equipped IT resource centre, and other facilities.



About TERI

TERI is an autonomous, not-for-profit, research institute committed to every aspect of sustainable development. Its work ranges from providing environment-friendly innovative solutions to rural energy problems to tackling global climate change issues. TERI's vision statement captures this – 'We will work towards global sustainable development, creating innovative solutions for a better tomorrow'. It is headquartered at New Delhi, with regional centres in Goa, Bengaluru, Guwahati, Mukteshwar, and field sites located in different parts of India. TERI has established a presence in Malaysia and Japan, apart from affiliations with institutes in Washington, DC (USA), London (UK), Dubai (UAE) and knowledge partnerships with institutes in Africa.

About DST

India is one of the top-ranking countries in the field of basic research. Indian Science has come to be regarded as one of the most powerful instruments of growth and development, especially in the emerging scenario and competitive economy. In the wake of the recent developments and the new demands that are being placed on the S&T system, it is necessary for us to embark on some major science projects which will not only have relevance to national needs but will also be relevant for understanding global issues requiring S&T intervention. The Department of Science and Technology plays a pivotal role in promotion of S&T in the country. The Department has been widely engaged in activities pertaining to promotion of high-end basic research and development of cutting-edge technologies to service the technological requirements of the society through development of appropriate skills and technologies.

For further information, contact

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TRAINING PROGRAMME ON ENERGY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT



SUPPORTED BY
Department of Science & Technology
Ministry of External Affairs
Government of India



The Energy and Resources Institute



The Energy and Resources Institute (TERI) is offering a course on Energy, Environment and Sustainable Development for the academic year 2013-14 supported by Department of Science and Technology and Ministry of External Affairs, Government of India.

Dates/Modules offered

- Policy and Regulation of Renewable Energy (Week 1)
- Integrated Approach Towards Sustainable Development and Role of Biotechnology (Week 2)
- Climate Change and Sustainability (Week 3)

Advantages of attending the courses

- Increased understanding of various dimensions of climate change and policies, energy-efficient technologies, biotechnology, renewable energy and energy efficiency, resource governance, , integrated approaches to sustainable development.
- Dissemination of practical knowledge to the participants and facilitation of an understanding of the pillars of sustainable development through field visits.
- Wider exposure to India, as the course lectures are complemented by study tours.
- The courses are designed to meet the needs of early/ mid-career government/non-governmental officials.



Eligibility

Bachelor's degree with science in school and work experience of 2 years.

Details of the modules

Policy and Regulation of Renewable Energy

- Policies for Renewable Energy Sector in India, Africa and developing countries
- Regulatory and Policy Interventions in the Renewable Energy Sector
- Tariff setting for Renewable Energy
- Renewable Energy Certificates (REC) and Trading in developing countries
- Over view of RE technologies
- Grid interconnection of RE resources
- Renewable Energy Resource Assessment
- Case-study and Field Visit
- Renewable Energy Financing

Integrated Approach towards Sustainable Development and Role of Biotechnology

- Introduction to Environmental systems
- Resources Management and Sustainability
- Environmental policy
- Environmental Externalities
- Forests resources (importance in the sustainability context)
- Ecological footprint and product labeling
- Measuring Sustainability Frameworks, Tools and indicators
- Financial and economic cost benefit analysis
- Environmental and biosafety issues in modern biotechnology
- Biofertilizer application, limitations & potential
 - plant tissue culture, plant molecular biology, bioinformatics, biopesticides, biofertilizer, bioremediation, biofuels, transgenics

Climate change and Sustainability

- Introduction to climate change issues
- Tools, indicators and frameworks for measuring sustainability and climate change
- Mitigation issues (in the context of forest- REDD, REDD+)
- Research methods (qualitative and quantitative) and exercises based on learnings
- Specifics of mitigation/energy sector and climate change
- Climate modeling
- Poverty and climate change
- Corporate social responsibility and climate change

SCHOLARSHIP

Government of India will bear the following expenses for the selected candidates:

- To and fro international airfare by excursion/economy class
- Course fees and book allowance
- Accommodation – hostel
- Boarding and Lodging

