

Engage in the power of technologies to fight time



About TERI

TERI was formally established in 1974 with the purpose of tackling and dealing with the immense and acute problems that mankind is likely to face within in the years ahead

- *on account of the gradual depletion of the earth's finite energy resources which are largely non-renewable and*
- *on account of the existing methods of their use which are polluting*

Over the years the Institute has developed a wider interpretation of this core purpose and its application. Consequently, TERI has created an environment that is enabling, dynamic and inspiring for the development of solutions to global problems in the fields of energy, environment and current patterns of development, which are largely unsustainable.

RETREAT: A model sustainable habitat based on new and clean technologies



RETREAT, a residential training facility for executives, is designed to be self-sufficient, and independent of any external power supply. It consists of two semicircular blocks arranged one behind the other. The south block comprises the living quarters with 24 single-occupancy rooms and 6 suites and the north block comprises the conference centre with a large hall, a dining room, a lounge, recreational facilities, and a library.



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Training Workshop on Green and Sustainable Technologies

November 18-22, 2013

The RETREAT, TERI Gram,
Gurgaon-Faridabad Road, Gurgaon,
Haryana

Organized By



The Energy and Resources Institute

Sponsored by



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Biomass gasifier (left) and solar panels (right)

In all its activities dedicated to technology innovation, The Energy and Resources Institute (TERI) consciously builds in comprehensive dimensions that are environment-friendly, natural resource conserving, and people-oriented. It is with such vision, perseverance, and ingenuity that TERI's team has developed a range of technologies in different disciplines and areas of scientific endeavour. From sophisticated research in mycorrhizal technology for sustainable agriculture and microbial biotechnology for remediation of oil spills and other industry created wastelands, to the effective use of mechanical and chemical engineering techniques in developing biomass gasifiers for various applications, or customization of photovoltaic technology for applications that suit the needs of the poorest of the poor- TERI has, quite unobtrusively, over two decades, developed a bank of technologies that carry immense potential to reduce the ecological footprint of development on the country's natural wealth while also generate opportunities for the underprivileged. The talent of diverse groups in TERI was pooled to create workable and viable solutions that are, most importantly, sustainable.

Through this training workshop, TERI has taken the initiative of filling up the existing gap through offering advanced level, training and creating awareness about for various sustainable technologies. Practical laboratory sessions will be supported by lectures and discussions.

Those technologies are included, which are proven for their effectiveness and economic viability. Hence, these are not mere laboratory solutions, but practical innovations that underline the sustainable use of natural resources. They provide a gateway of opportunities for the economic welfare of human society, which must move towards a new paradigm of development.

OBJECTIVES

The main objective of this refresher training course for scientists, academicians, administrators and policy makers, is:

- To train academicians in specialized technologies in the area of biotechnology
- To impart a conceptual understanding on energy audit and renewable and decentralized energy solutions
- To acquaint the participants to the principles of resource management and waste management
- To give exposure on technologies related to sustainable habitat and green housing.
- To sensitize the participants on various issues related to climate change.

PROGRAMME

The course would include lectures, laboratory sessions and field trips on the following specific topics.

- Biofertilizers and biopesticides
- Biotechnology for green agriculture
- Sustainable habitat

- Waste management
- Renewable and decentralized energy solutions
- Climate change
- Resource Management
- Energy Audit

In addition, there will be a Yoga session daily for the entire duration of the program. A city excursion and a cultural evening shall be organized for the participants. A Certificate of Completion will be provided in the valedictory session at the end of the course.

ELIGIBILITY

Scientists/Technologists working in the Departments/Ministries of Central and State Governments., PSUs, Govt. Aided Research Institutes etc and Central and State Universities.

For more details please visit:
<http://www.dst.gov.in/>



Mycorrhizal biofertilizer for sustainable agriculture