

# TERI-ITEC

## Courses for 2009/10



TERI (The Energy and Resources Institute) is offering six courses for the academic year 2009/10 under the ITEC (Indian Technical and Economic Cooperation)/SCAAP (Special Commonwealth African Assistance Programme) of the Government of India.

## Courses offered and dates

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|---|-------------------------|
| ▪ Integrated approach towards sustainable development                 | — 07.07.2009–25.07.2009 |
| ▪ Applications of biotechnology and its regulation                    | — 04.08.2009–21.08.2009 |
| ▪ Climate change and sustainability                                   | — 20.10.2009–10.11.2009 |
| ▪ Decentralised energy solutions – planning and implementation        | — 02.11.2009–20.11.2009 |
| ▪ Trade and sustainable development – issues for developing countries | — 23.11.2009–12.12.2009 |
| ▪ Renewable energy and energy efficiency                              | — 04.01.2010–22.01.2010 |

## Advantages of attending the courses

- Increased understanding of various dimensions of energy-efficient technologies, biotechnology, trade, and sustainable development.
- Dissemination of practical knowledge to the participants on energy-efficient technologies and facilitation of pillars of sustainable development through field visits.
- Wider exposure to India, as the course lectures are complemented by study tours.

## Eligibility

The courses are designed to meet the needs of early/mid-career government/non-government officials. The eligibility criteria for the participants are as follows.

- *Integrated approach towards sustainable development* (maximum number of participants – 30)
  - Bachelor's degree in any discipline
- *Applications of biotechnology and its regulation* (maximum number of participants – 25)
  - Bachelor's degree with Science in School and a work experience of 2 years
- *Climate change and sustainability* (maximum number of participants – 30)
  - Bachelor's degree in any discipline; work experience of 1-2 years
- *Decentralised energy solutions – planning and implementation* (maximum number of participants – 30)
  - Bachelor's degree in Engineering/science/technology; work experience of 2 years
- *Trade and sustainable development – issues for developing countries* (maximum number of participants – 25)
  - Bachelor's/Master's degree and a work experience of 2 years
- *Renewable energy and energy efficiency* (maximum number of participants – 30)
  - Bachelor's degree in engineering/technology

## Details of the courses

### ■ ***Integrated approach towards sustainable development***

The course aspires to offer knowledge and skills to incorporate sustainability concerns in policy/managerial decisions utilizing systematic approaches. The course covers environmental systems, natural resources and management principles, business and sustainability, economic reasoning and sustainable development practices. *Course coordinator- Dr Arun Kansal (akansal@teri.res.in)/Dr Suresh Jain (sureshj@teri.res.in)*

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### ■ ***Applications of biotechnology and its regulation***

The course aims to provide a unique blend of theory and practice in biotechnology and other relevant fields. It provides a basic understanding of biotechnology, environmental and bioethical concerns of new technologies and legal framework for biosafety regulations and risk assessment and management. It also looks at international frameworks to regulate transboundary movements of living modified organisms. *Course coordinator - Dr Vibha Dhawan (vibhad@teri.res.in)*

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### ■ ***Climate change and sustainability***

The course aims to provide an understanding of the various aspects of climate change and its implications for sustainability. It would also address the issues of available mitigation options and vulnerability measures. The course covers international and national responses to climate change, carbon finance, CDM, planning for sustainable development and mitigation options and issues concerning impacts, vulnerability and impact assessment. *Course coordinator - Dr.Kamna Sachdeva (kamna.sachdeva@teri.res.in)/Ms Shilpa Nischal (shilpah@teri.res.in)*

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### ■ ***Decentralized energy solutions- Planning and implementation***

The course aims at sensitizing participants on decentralized generation (DG) technologies and to study the extent to which DG can fill the demand–supply gap created by the limitation of grid extension. It focuses on rural electrification issues, renewable energy and distributed power sources, DG technologies and options for village electrification, scientific assessment of renewable energy resources, preparation of DPRs and tools and techniques for designing village electrification projects including use of decision making tools and software. *Course coordinator- Mr Debajit Palit (debajitp@teri.res.in)*

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### ■ ***Trade and sustainable development – issues for developing countries***

The course provides an introduction to multilateral and regional trade regime, global institutions and sustainability, multilateral environmental agreements and trade linkages. It has a special focus on developing country concerns and south-south trade. *Course coordinator – Mr Nitya Nanda (nitya@teri.res.in)*

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### ■ ***Renewable energy and energy efficiency***

The course aims to develop an understanding of the existing and emerging renewable energy technologies, and energy conservation and efficiency improving techniques. It covers basics of different sources and forms of energy, role of renewable energy, energy efficiency, solar thermal technology and its application, wind power, biomass gasifier

based system development, small hydro technology, renewable energy policies, rural energy issues, overview of Indian energy scenario and demand side management. *Course coordinator – Mr Sunil Dhingra (dhingras@teri.res.in)*

## How to apply

Fill up the ITEC/SCAAP application form (downloadable from <http://itec.nic.in/form.htm>), and submit it to the nodal government department/agency designated to nominate candidates. The nodal department/agency will in turn forward the applications to the Embassy/High Commission of India. Selected participants will be informed by the Indian embassies of the respective ITEC/SCAAP countries.

## Venue and accommodation

The courses will be conducted in TERI complexes in the National Capital Region of Delhi in India, as well as in TERI regional centres in Bangalore and Goa, depending on the specific framework of each course.

Accommodation for the participants would primarily be arranged in TERI RETREAT, a training complex that is only a 35-minute drive from the heart of Delhi. Located in Gual Pahari, Gurgaon, away from the bustle of the city, this 36-hectare complex represents a sustainable, green, and productive habitat created through application of scientific methods and techniques.

## 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, and the regional centres are in Goa, Bangalore, Guwahati, Mukteshwar, with field sites located in different parts of India.

## TERI overseas

Over the years, TERI's global affiliates and centres have developed strong collaborations with like-minded institutions and important organizations to further the cause of sustainable development. The institute has been involved in capacity development programmes, project development, implementation, consultancy, and expert services in several countries.

TERI has established overseas centres in Addis Ababa (Ethiopia), Petaling Jaya (Malaysia), and Tokyo (Japan), apart from affiliations with institutes in Washington, DC (USA), London (UK), and Dubai (United Arab Emirates).

## For further information, contact

Ms Swati Ganeshan, TERI (The Energy and Resources Institute), Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi - 110 003, India  
Tel. +91 11 2468 2100 or 4150 4900 • Fax +91 11 2468 2144 or 2468 2145  
E-mail [swati.ganeshan@teri.res.in](mailto:swati.ganeshan@teri.res.in) • Web [www.teri.res.in](http://www.teri.res.in)