

## How to apply

Fill up the ITEC/SCAAP application form (downloadable <http://itec.mea.gov.in>), 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.

## Scholarship

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

- Return international airfare by excursion/economy class
- Course fees and book allowance
- Accommodation – Hostel
- Living allowance @ Rs 25,000 per month on pro rata basis. Candidates are, among other things, expected to meet the expenditure for their meals from this amount.

For more details visit <http://itec.mea.gov.in>

## Venue and accommodation

The hostel accommodation for the participants would be in TERI RETREAT. The training complex is a demonstration of sustainable, green, and productive habitat created through application of scientific methods and technique. It showcases the concept of modern green buildings. The complex has a 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, Bangalore, 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.

For further information, contact

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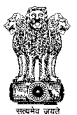
E-mail [swati.ganeshan@teri.res.in](mailto:swati.ganeshan@teri.res.in) • Web <http://www.teriin.org>



# TERI-ITEC COURSES 2013-14



The Energy and Resources Institute



Ministry of External Affairs  
Government of India

The Energy and Resources Institute (TERI) is offering eight courses for the academic year 2013/14 under the ITEC (Indian Technical and Economic Cooperation)/SCAAP (Special Commonwealth African Assistance Programme) of the Government of India.

## Courses offered and dates

- Applications of biotechnology and its regulation – 09.09.2013–28.09.2013
- Decentralized energy solutions: Planning and implementation – 07.10.2013–26.10.2013
- Climate change and sustainability – 28.10.2013–15.11.2013
- Trade and sustainable development: Issues for developing countries–18.11.2013–06.12.2013
- Energy and water-use efficiency- 13.01.2014–31.01.2014
- Renewable energy and energy efficiency – 17.02.2014–07.03.2014
- Resource security and governance: Issues, challenges and opportunities – 10.03.2014–28.03.2014
- Integrated approach towards sustainable development – 31.03.2014–18.04.2014

## Advantages of attending the courses

- Increased understanding of various dimensions of climate change, energy-efficient technologies, biotechnology, trade, sustainable development, and resource governance.
- Dissemination of practical knowledge to the participants on climate change, 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-governmental officials. The eligibility criteria for the participants are as follows:

### Applications of biotechnology and its regulation (maximum number of participants – 30)

- Bachelor's degree with science in school; work experience of 2 years

### Decentralized energy solutions: Planning and implementation (maximum number of participants– 30)

- Bachelor's degree in any discipline; 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

### Trade and sustainable development: Issues for developing countries (maximum number of participants – 30)

- Bachelor's/Master's degree in any discipline; work experience of 2 years

### Energy and water-use efficiency (maximum number of participants – 30)

- Bachelors; preferably with technical background; work experience 2 years

### Renewable energy and energy efficiency (maximum number of participants – 30)

- Bachelor's degree in any discipline; work experience of 2 years

### Resource security and governance: Issues, challenges, and opportunities (maximum number of participants – 30)

- Bachelor's/Master's degree in any discipline; work experience of 2 years

### Integrated approach towards sustainable development (maximum number of participants – 30)

- Bachelor's degree in any discipline; work experience of 2 years

## Details of the courses

### Applications of biotechnology and its regulation

The course aims to provide a unique blend of theoretical and practical training in various aspects of plant biotechnology. It would provide an understanding of various aspects related to traditional and advanced biotechnology, environmental, and bioethical concerns of new technologies, legal framework for biosafety regulations and risk assessment and management. Issues related to sustainable agriculture through application of biofertilizers and biopesticides; food safety and impact of IPRs on future agriculture development with special reference to developing countries would also be covered. *Course coordinator – Dr Sanjay Saxena (sanjays@teri.res.in)*

### 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 focusses on rural electrification issues, renewable energy and distributed power sources, DG technologies and options for village electrification, scientific assessment of renewable energy resources, use of decision-making tools and software for designing, planning, and implementation of projects. *Course coordinator – Mr Rakesh Prasad (rakeshp@teri.res.in)*

### 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/adaptation options and vulnerability measures. The course covers international and national responses to climate change and market-based options for developing nations. It will deal in planning, governance, and regulatory issues for sustainable development, mitigation options, and issues concerning impacts besides vulnerability and impact assessment. The course also deals with contemporary issues related to climate change such as poverty, migration, and conflict management. *Course coordinators – Dr Kamna Sachdeva (kamna.sachdeva@teri.res.in)/Ms Nimish Jha (nimish.jha@teriuniversity.ac.in)*

### Trade and sustainable development: Issues for developing countries

The course provides an introduction to multilateral and regional trade regimes, global institutions and sustainability, multilateral environmental agreements, and trade linkages. It has a special focus on developing country concerns and south-south trade especially in the context of designing trade policy to promote sustainable

development. Trade in resources and agricultural goods receive special attention in the deliberations. *Course coordinator – Mr Nitya Nanda (nitya@teri.res.in)*

### Energy and water-use efficiency

The course aims to provide an indepth understanding on various aspects related to use of energy and water. The course will specifically focus on demand-side management and audits as a tool to enhance the energy and water-use efficiency. It would also address the scope and opportunity in energy and water conservation and relevant government policies and programme to promote energy and water-use efficiency. *Course Coordinator – Mr Sachin Kumar (sachink@teri.res.in)*

### 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)*

### Resource security and governance: issues, challenges and opportunities

The course aims at sensitizing participants on the issues and challenges pertaining to resource security (traditional and non-traditional) and governance including possible opportunities to address these with emphasis on sectors: minerals and metals, energy, and water. It will impart knowledge pertaining to quantitative methods for assessing resource security that will help design appropriate instruments and strategies. *Course coordinator – Dr Shilpi Kapur (shilpi.kapur@teri.res.in)*

### 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 coordinators – Dr Chubamenla Jamir (chubamenla.jamir@teriuniversity.ac.in)*