

## HOW TO APPLY

Fill up the ITEC application form online, print (accessed from <https://www.itecgoi.in/index.php>), 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/high commissions in the respective ITEC countries.

## SCHOLARSHIP

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

- Return international airfare by excursion/economy class
- Course fees and book allowance
- Accommodation—Hostel
- Living allowance @ ₹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 <https://www.itecgoi.in/index.php>



# TERI-ITEC COURSES

2017/18



## VENUE AND ACCOMMODATION

The residential accommodation for the participants would be in the 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. Apart from residential facilities, the complex has a library, well-equipped IT resource centre, a state-of-the-art laboratory, 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 at Goa, Bangalore, Guwahati, Mukteshwar, and field sites located in different parts of India. TERI has established a presence in many countries, apart from affiliations with institutes in Washington, DC (USA), London (UK), Dubai (UAE), and knowledge partnerships through an office based in Addis Ababa in Africa supported by Horn of Africa Regional Environment Centre and Network.



For further information, contact  
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The Energy and Resources Institute



Ministry of External Affairs  
Government of India

सत्यमेव जयते



The Energy and Resources Institute (TERI) is offering eight empanelled courses for the academic year 2017/18 under the ITEC (Indian Technical and Economic Cooperation) of the Government of India.

## COURSES OFFERED AND DATES

- Energy Access and Human Development—September 4–22, 2017
- Climate Change and Sustainability—September 25–October 13, 2017
- Trade and Sustainable Development: Issues for Developing Countries—October 23–November 10, 2017
- Applications of Biotechnology and Its Regulation—November 20–December 8, 2017
- Energy and Water-Use Efficiency—January 8–25, 2018
- Renewable Energy and Energy Efficiency—January 29–February 16, 2018
- Natural Resource Security: Governance, Challenges and Opportunities—February 19–March 9, 2018
- Integrated Approach towards Sustainable Development—March 12–29, 2018



## ADVANTAGES OF ATTENDING THE COURSES

- Increased understanding and dissemination of practical knowledge on climate change, energy-efficient technologies, biotechnology, trade, sustainable development, water use efficiency, and resource governance.
- 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:

### **Energy Access and Human Development (maximum number of participants 20)**

- 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

### **Applications of Biotechnology and Its Regulation (maximum number of participants 30)**

- Bachelor's degree with science in school; 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

### **Energy Access and Human Development**

The course aims to cover different dimensions of energy access, ranging from sustainable development goals to designing of energy access projects. The approach of the course is to begin with the concept of energy access, learn about opportunities and challenges of energy access in rural and urban spheres, know about the possible technologies, and then equip oneself to plan and implement energy access projects. Course coordinator: Manjushree Banerjee (manjushree.banerjee@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 with 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 coordinator: Kamna Sachdeva (kamna.sachdeva@teri.res.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: Nitya Nanda (nitya@teri.res.in)

### **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 bio-fertilizers and bio-pesticides, food safety, and impact of

intellectual property rights on future agriculture development with special reference to developing countries would also be covered. Course coordinator: Dheeban C Kannan (dheeban.kannan@teri.res.in)

### **Energy and Water-Use Efficiency**

The course aims to provide an in-depth understanding on various aspects related to use of energy and water. The course will specifically focus on demand-side management and energy 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 Coordinators: Ayan Shubhro Ganguly (ayan.ganguly@teri.res.in), 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 along with the various aspects of 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: Sunil Dhingra (dhingras@teri.res.in)

### **Natural Resource Security: Governance, 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: Shilpi Kapur (shilpi.kapur@teri.res.in)

### **Integrated Approach toward 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: Chubamenla Jamir (chubamenla.jamir@teriuniversity.ac.in)