**Course 2- Climate Change and Sustainability**

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| A. Name of the Institute | The Energy and Resources Institute (TERI) |
| B. Name/Title of the Course | Climate Change and Sustainability |
| C. Course Dates with Duration in Weeks*[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]*  | **03-10-2016 - 21-10-2016, 3 weeks** |  |
| D. Eligibility Criteria for Participants1. Educational Qualifications2. Work Experience required, if any3. Age Limit*[note: ITEC norms is 25-45 years]*4. Target Group *[Level of participants and target ministries/departments etc. may be indicated]* | Bachelors preferably 1-2years 3) 25- 45 years 4) Both Governmental and Non- governmental participants  |
| E. Aims & Objectives of the Course | In recognition to the importance of climate change impacts on undermining countries' efforts to achieve the sustainable development goals, the course will provide an in-depth understanding on various aspects of climate change and its implications for sustainability. It would address both available mitigation options and adaptation measures to counter the threat. Also some non-conventional issues like climate change and gender, conflict and migration will also be discussed.  |
| F. Course Contents / Syllabus *[please attach course details / profile in Word Format for uploading on ITEC website]* | Module 1.Basics of sustainability and climate change -Introduction to sustainability principles and concerns (various sustainability dimensions and means of measuring those in the context of natural resource management) -Climate change and sustainability (impacts and responses to the threat). Module 2. National and International Responses to climate change The module would provide an understanding on international (national-some experiences) response to the threat of climate change, structure, functionality and challenges of international agreements. It would also address the issue of carbon finance (integrities of compliance, voluntary and regional market), CDM and future outlook. Module3.Sustainable development planning and Mitigation options -renewable energy technologies: renewable & clean technologies -Mitigation technologies and policies -Resource Use and management Module 4.Impacts, Vulnerability and adaptation assessment -Ecosystems and ecosystem services -Sea level rise and coastal resources -Climate change and human health -Climate change and water resources: impacts and adaptation -National action plans for adaptation -Support for adaptation in developing countries Course would also include working on different case works to make participants understand about the priorities related to mitigation and adaptation  |
| G. Mode of evaluation of performance of the participants | Class Participation during the course and group presentation on the selected themes related to climate change issues will be given to the participants and evaluation is done based on their innovations/knowledge in providing the solution to the problem.  |