Course 6- Renewable energy and energy efficiency

|  |  |
| --- | --- |
| A. Name of the Institute | The Energy and Resources Institute (TERI) |
| B. Name/Title of the Course | Renewable energy and energy efficiency  |
| 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]*  | **06-02-2017- 24-02-2017, 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 2 years 25-45 years 4) Both Governmental and non governmental participants  |
| E. Aims & Objectives of the Course | Sensitization of the participants on renewable energy and energy efficiency  |
| F. Course Contents / Syllabus *[please attach course details / profile in Word Format for uploading on ITEC website]* | Basics of different sources and forms of energy Role of Renewable Energy Role of Energy Efficiency Solar thermal technology and its applicationWind power Biomass gasifier based system development  Issues and challenges Small hydro technology Policies related to Renewable Energy Mainstreaming the renewables Analysis tool for Renewable Energy: RETScreen® Financial and GHG Analysis with RETScreen Rural energy related issues and challenges Visit to Solar Energy Centre Demonstration site for gasifier based power plant at Yamuna Nagar, and waste to energy plant in Chandigarh Overview of energy scenario in India and EC Act, 2001 Demand side management (DSM) including pricing, regulatory mechanism Developing baseline for CDM projects Energy efficiency and conservation in electrical systems Visit to Tata BP solar plant in Bangalore Visit to Mahatama Gandhi Rural Development Centre, Bangalore Demonstration of portable instruments used for energy audit  |
| G. Mode of evaluation of performance of the participants | Class Participation during the course; A short report or presentation from the participant summarizing the learning from the course  |