Course title: Renewable energy policies and regulations			
Course code: ENR 154	No. of credits: 3	L-T-P: 32-13-00	Learning hours: 45
Pre-requisite course code and title (if any): N.A.			
Department: Sustainable Engineering			
Course coordinator: Dr. Sapan Thapar	Course instructor(s): Dr. Sapan Thapar		
Contact details: sapan.thapar@terisas.ac.in			
Course type: Programme Core	Course offered in: Semester 1		

Course description

The course is meant to comprehensively impart knowledge on the overall policy and regulatory environment governingrenewable energy development in the country. The students will also be sensitized to emergent trends competitive bidding in Solar and Wind based capacity addition.

The course will cover national and state policies, regulatory and legislative frameworks on Renewable Energy. Some ofthese policies and guidelines emanate from an overarching Act such as the Electricity Act and policies such as the National Climate Change Policy. The policies, regulations and guidelines determining grid integration of renewable energy such as electricity off-take approaches, tariffs, control period and even technical requirements like maintenance of grid frequency in a certain bandetc. It is also important to have an understanding of the institutional architecture that enables implementation of the policies and regulationas much as the policies in force.

The course will present a policy and regulatory framework for renewable energy as it is practiced in India. However,similar frameworks either exist in other developed and developing countries will also be studiedfor possible adoption in India.

Course objectives

- To impart knowledge on the overall policy, regulatory and institutional framework on RenewableEnergy
- To provide understanding of the main drivers that influence Renewable Energy policy formulation
- To provide insights on emergent policy trends with regard to generation and procurement of renewableenergy
- To describe and analyse policy instruments used in promotion of renewable energy in India andglobally