

### **Lecture 3: Energy Accessibility and Social-economic impact**

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A lecture titled with “Energy Accessibility and Social-economic impact” was given by Mr. Martand Shardul, Associate Fellow, from Social Transformation of TERI University in the afternoon section on the 2<sup>nd</sup> day of this YRS programme. In his presentation, Martand showed one video named “Project Surya, fighting climate change challenge”, which introduced interventions mitigating the challenge of poverty, air pollution caused by black carbon, energy (especially electricity) shortage in rural areas, including the spread usage of the products like energy efficiency stove, solar micro lantern and its charging system, and also relevant training programme for the women in village which will contribute job opportunities and income for people operating the solar charging station. These intervention is not only technical solutions, but also involve implication on social-economic impact in these area like providing job opportunities for project design, installation, and maintenance so on. With the case of biogas, the report on Human Resource Development Strategies for Indian Renewable Energy Sector reveal that the manpower requirements, job positions may create and other evidence shows the social-economic impact of renewable energy development, but there is still no governmental policies and regulations guiding the development of biogas energy. Martand also introduced the importance of energy access from both sides of supply and demand, challenge for now in Indian rural areas. However, there is no accurate definition of energy accessibility yet but he emphasized that consideration should go back to people from global or regional level. Besides, he also introduced the advantage of the new model of energy efficiency stove such as heat generation efficiently, saving materials, reducing black carbon emission, and easy-trained for operation.