



## Training module on Microgrids

Programme Title		Microgrids
Duration		5 days
Venue		NTPC School of Business, Noida, India
Day	Time	Topic
Day 1	Forenoon (FN)	Energy Transition, Distributed Generation and Microgrids
	Afternoon (AN)	Distributed Generation (DG) Technologies – Different DG technologies, their Working, Challenges & Opportunities Introduction to Microgrids, Types (AC/DC), Components & Design architecture
Day 2	FN	Storage systems in Microgrids Practical aspects of stabilization of Power system grid incl. Microgrid
	AN	Preparation of Microgrid Feasibility Report & DPR Microgrid Policies & Regulations, International best practices, Grid integrated microgrids
Day 3	FN	Economics & Cost benefit analysis & Tariff setting for Microgrids Planning and design of Microgrids: Use of HOMER software
	AN	Smart Microgrids & P2P energy systems incl. use of block chain in Microgrids
Day 4	FN	Design, Operation & Management of Microgrids: Some Practical Experiences
	AN	Socio-economic & gendered impacts of Microgrids Design & planning of Microgrids – Challenges & Opportunities
Day 5	FN	Field visit
	AN	Valedictory Session & Felicitations of participants