



Gujarat Industries Power Co. Ltd

Renewable Energy for Power Generation

Overview & Objective:

In past few decades, Renewable Energy has emerged as a key factor for survival of the human race and sustainable growth of world economy. Over dependence on conventional energy sources for growth has resulted in serious climate change concerns threatening our own existence. There is no second opinion in world economies about the increasing role renewable energy will play in the energy mix of the world in coming years.

In a developing nation like India, which imports more than 70% of its energy demand, contributions of energy generation from renewable sources will play a pivotal role for sustainable growth and transforming India into a fully developed nation.

Recently, numbers of initiatives have been taken at Central as well as at State levels to promote use of renewable energy by way of enacting laws & providing incentive & investor friendly policies to promote green energy. As a result, the share of renewable energy is increasing in the total energy mix. The total installed capacity of RE generation has crossed 26,000 MW + from few hundred MW a decade back. National Action Plan on Climate Change (NAPCC) envisages dynamic renewable purchase obligation target of 5% for 2010 with annual increase in trajectory over long term so as to reach around 15% RPO target by 2020 at national level. In the coming years India will witness large no of RE Projects all across the country harnessing the potential through technological innovations and regulatory support.

Objective of this training program is to impart basic knowledge of different types Renewable Energy sources, policy & current scenario in the country, various technology used for Power Generation from renewable source like solar, wind etc. The programme will give an overall idea about various aspects of implementing renewable energy projects and its benefit to the participating organisation.

GIPCL has already installed a 5 MW solar PV based plant. Participants will be benefitted by hands on experience of GIPCL team and actual visit to Solar Plant would be an added attraction of the programme.

Course Content:

- Relevance of Renewable Energy today
- Renewable Energy Sources & its use for energy generation
- Overview of Regulatory Policies & Present RE Scenario in India
- Feasibility Aspects of RE Project
- Development of Solar Project
- Development of Wind project
- Power Evacuation, grid connectivity issues and ABT compliance for RE Projects
- Electrical & C&I systems in Solar PV Power Plant.
- Financing RE Projects & CDM, REC Mechanism & RPO compliance

Training Methodology:

- Classroom training
- Interaction
- Case Studies
- Plant Visit

Recommended For : Entry and middle level engineers from Industries who intent to invest in Renewable energy projects, Engineers from IPPs, Captive Power Plant & bulk energy consumers from Industries who have to comply with RPO obligation

Duration of Course : 2 Day

Date : Refer Training Calendar posted on website.

Type : Residential

Course Fees : Rs.8000/- + applicable taxes

Venue : Gujarat Industries Power Company Limited
Surat Lignite Power Plant (SLPP),
P.O Nani-Naroli, Dist: Surat.

For Nominations:

[Registration Form](#)

OR

Contact:

Mr. D M Chandarana (Dy. General Manager)

GIPCL Projects & Consultancy Company Limited

(Subsidiary of Gujarat Industries Power Company Ltd)

2nd Floor, Corporate Office Building,

GIPCL, P.O. Petrochemical - 391 346, Dist. Vadodara, Gujarat

Telephone: +91-265-2232768, e-mail: training@gipcl.com