

TRAINING PROGRAM ON EXPLOITATION OF RENEWABLE ENERGY TECHNOLOGIES FOR INDUSTRIAL APPLICATIONS



National Productivity Council

No. 6, Aavin Dairy Road, Ambattur Industrial Estate (North),
Ambattur, Chennai, India - 600 050

SCOPE AND COVERAGE:

The course would facilitate an invaluable forum for dialogue and open exchange of views and experiences with subject experts and professionals. The course content for the training has been carefully designed considering latest developments in renewable energy field such that, at the end of the course considerable useful knowledge transfer is perceived. The three-week course will address the following aspects:

S.No	Module	Sub topics	Duration
1	Introduction to Renewable Energy	<ul style="list-style-type: none">❖ Energy Scenario❖ Energy Mix❖ Conversion Technologies❖ Conventional Power Plants❖ Renewable Energy Sources❖ Policies Schemes and Legal Frameworks	1 week
2	Wind & Solar Energy Technologies and Applications	<ul style="list-style-type: none">❖ Wind Resource Assessment❖ Wind Turbine Technology & Applications❖ Offshore Wind Power❖ Small Wind Turbines & Hybrid Systems❖ Solar Energy & Applications❖ Economic Analysis of RE projects	1 week
3	Other Renewable Energy Technologies	<ul style="list-style-type: none">❖ Biomass❖ Bio Energy Technologies❖ Hydro Technologies❖ Geothermal Energy❖ Tidal, Wave & OTEC❖ Energy Storage	1 week

METHODOLGY:

To achieve the objectives of training, different types of learning situations will have to be created/ organized. These are:-

- Class room lectures for imparting formal, theoretical and technical knowledge.
- Case studies/Group discussions.

- The training methodology so adopted creates step by step environment for all round development of skills and knowledge of the participants.
- Video vignettes and experiential learning exercises aiming at stimulating and creating interest among participants for enhanced learning experience.