



28th International Training Course on Wind Turbine Technology and Applications



29th November to 15th December 2023



With the rising concerns on climate change, countries are under pressure to turn to Renewable Energy (RE) sources and reduce CO₂ emissions. Amongst RE sources, Wind energy has proved to be a highly successful energy option and 906 GW has been installed worldwide by end of year 2022. Earth's commercially viable wind power potential is estimated to be huge and only very few countries are using wind power at a large scale. Lack of skilled human resources at various stages of deployment.

NIWE, Chennai, India, being first of its kind institution in Asia, perhaps in developing countries, has responsibilities to address this issue. NIWE has contributed for diffusion of wind energy as one of the primary energy sources in India. India, over the years, has been a trend-setting nation with regard to wind power utilization. Decades of concerted efforts have started to yield gratifying results and today, Wind power with an installed capacity of 43940 MW contributes 10.3 % of the total Indian energy mix of 423359 MW and stands fourth in terms of installed wind power capacity worldwide as on July 2023. With this vast experience, India can incorporate lessons learnt from its own experience to foster growth elsewhere in the globe. NIWE has so far successfully organized 45 international and 55 national training courses and trained over 3000 professionals from 102 countries. In this context, a three weeks International Training course is scheduled by NIWE under ITEC programme sponsored by Ministry of External Affairs (MEA) with the support of Ministry of New and Renewable Energy (MNRE), Government of India.

Organized by



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NATIONAL INSTITUTE OF WIND ENERGY
Ministry of New and Renewable Energy, Government of India
CHENNAI

Sponsored by



MINISTRY OF EXTERNAL AFFAIRS
Government of India
NEW DELHI

Objectives

- The prime objective is to transfer knowledge and special skills to the international participants on wind energy.
- To build skilled human resource so that there will be advancement of wind energy in the participating country.
- To provide an invaluable platform for exchange of professional and cultural experiences among diverse participants.
- To leverage the research that continues to shape this rapidly evolving discipline.

Course Syllabus

The course will offer a good foundation on the principles of engineering behind wind energy technology. The course will address all aspects of Wind Power starting from introduction to wind and its technology, wind resource assessment, installation and commissioning, operation and maintenance of wind farms, financial and policy aspects along with testing and certification of wind turbines. Additionally, visit to wind farms and manufacturing facility is scheduled to give a complete picture of the know-how and how to go about setting up financially viable wind farm projects.

Resource Persons

The resource persons for this training course will be NIWE engineers, industry professionals, academicians and other national experts who have significantly contributed for wind energy development in the country.

Course Fee

There is **NO COURSE FEE** and is fully funded by Ministry of External Affairs (MEA), Government of India under ITEC programme. The funding includes **to and fro air fare, local travels, accommodation, living allowance and book allowance**. Accommodation provided will be of international standards.

Target Participants

The course will be useful for anyone involved in wind energy or those who are looking for an introduction. Persons from the following fields will find this course very relevant. Academic and R & D Institutions, Power Industry, Manufacturers, Suppliers and Distributors, Utilities, Consultants, Project Developers, Government Organization, Green Engineers

The Programme

The course duration will be 18 days from **29th November to 15th December 2023**.

Venue

The venue for the programme will be **Conference Hall of NIWE, Chennai**

How to Apply?

Those who are interested to apply for this Training Course are required to visit the website www.itecgoi.in.

Course Coordinator

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