29th National Training Course on

WIND ENERGY TECHNOLOGY

21st - 23rd January 2026

नीवे NIWE

NATIONAL INSTITUTE OF WIND ENERGY

An Autonomous Research and Development Institution
Ministry of New and Renewable Energy, Government of India
Chennai

Renewable Energy in particular Wind and Solar has become a mainstay in meeting energy needs having achieved grid parity in term of costs as well as technical requirement. The wind energy has proved a highly successful energy option with installed capacity of 1.13 TW worldwide by end of 2024. 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 like USA, European countries and Asian countries - China and India. Even though a good potential of wind is available in many countries, the wind power projects are hindered because of the lack of skilled human resources at various stages of deployment.

The National Institute of Wind Energy (NIWE), under the Ministry of New and Renewable Energy (MNRE), Government of India has pioneered in promoting Wind Energy and has contributed for promotion of wind energy as one of the primary energy sources in India. Decades of concerted efforts have started to yield gratifying results and today, Wind power contributes about 10.53% (50037.82 MW) of the total Indian energy mix of 475211.80 MW and stands fourth in terms of installed wind power capacity worldwide as on March 2025. Today, India is a major player in the global wind energy market with a sustainable annual growth rate. The key factors responsible for this phenomenal success were the policy support from the Centre, especially by MNRE and the technical support extended by NIWE. NIWE has been conducting training courses since 2004 and till now conducted 148 National and 48 International training courses and trained about 6000 professionals from 102 countries. With the vast experiences in conducting training courses, NIWE has an obligation to disseminate the right knowledge learnt to foster growth of wind energy not only in India but also across the globe. In this connection, the 29th National Training Course is proposed to address all aspects of wind energy starting from introduction to wind, technology, wind resource assessment, installation & commissioning and operation maintenance of wind farms along with financial aspects and testing & certification of wind turbines in a focussed manner.

COURSE OUTLINE

The training is scheduled with class room lectures and practical visit to stimulate active participation and dialogue. This training course is intended to cover a wide variety of key topic such as

- Introduction to Wind Energy and Global Wind Energy Scenario
- Wind Turbine Technology
- Wind Resource Assessment and Techniques
- Economic Analysis of Wind Power Development
- Installation and Commissioning of Wind Turbines
- Operation and Maintenance aspects of Wind Farms
- Offshore Wind Energy
- Wind Energy Policies, Schemes and legal Frameworks

THE PROGRAMME & SCHEDULE

The duration of this Training Course is 3 days encompassing presentations, detailed lectures with case studies, success stories along with exercises and visits to RE facilities. The dates for the training is **from 21st to 23rd January 2026 between 10.00 am and 5.30 pm.**

COURSE OBJECTIVES

The objective of the training course is to transfer knowledge and special skills to the wind energy personnel active in technical and operational fields as well as those who are looking for entry in wind energy sector. Moreover, the course will provide an invaluable platform for dialogue and open exchange of views and experiences.

TARGET PARTICIPANTS

The targeted participation would be 50. Persons in the following areas will find this course relevant and useful.

- Academic and R&D Institutions
- Wind Turbine Manufacturing Companies
- Project Developers and Investors
- Consulting Firms
- Government Organizations
- State Nodal Agencies (SNA's)
- Suppliers and Distributors
- Independent Power Producers (IPP)
- Financial & Insurance Institutions

RESOURCE PERSONS

NIWE scientists / engineers will be the resource persons for the training course.

REASONS TO ATTEND

The course will offer a good foundation on the principles of engineering behind wind energy technology, power generation & distribution along with financial viability and entrepreneur opportunities. It would give a picture of the know-how and pave the way to go about setting up a financially viable wind farm project. We take utmost care in providing quality lectures and hospitality with appropriate advanced planning. The course structure & organization of training has been highly acclaimed by all the previous course participants.

VENUE

The venue for the programme would be the **Conference Hall of National Institute of Wind Energy,** Chennai.

REGISTRATION

The enclosed Registration Form filled in all respects may be sent to NIWE **on or before 02/01/2026** along with the Course Fee. Acceptance of nominations will be on the **"First-come, First Served"** basis subject to the receipt of full Course Fee of Rs.5,900/- or Rs.17,700/- including GST of 18%.

COURSE FEE

This is a **non-residential** training course. The Course Fee is **Rs. 5,900/-** (Rs.5,000/- plus 18% GST of Rs.900/-) for student and **Rs. 17,700/-** (Rs.15,000/- plus 18% GST of Rs.2,700/-) for other than students. Students need to provide a supporting letter from the Head of the Institution / Department along with Bonafide Certificate and valid ID card. The Course Fee includes lunch, refreshments and excludes accommodation. The Course Fee must be paid by online transfer only. The bank details for payment has been given in the Registrtion Form and also made available in NIWE website (https://niwe.res.in/static/pdf/RTGS_document-sb_account.pdf).

CANCELLATION & SUBSTITUTION

The registration without the Course Fee on or before the due date does not confirm the reservation for the course. Cancellation of registration will be entertained until **09.01.2026** only with a written request. The refund of Course Fee will be done after deducting handling charges of **Rs. 1000/-**. The cancellation request received after **09.01.2026** will not be eligible for any refund. Replacement can be allowed with prior intimation and submission of new Registration Form. In case the training is cancelled, the course fee paid will be refunded fully. NIWE reserves all rights to postpone or cancel the course with due intimation to all concerned.

COURSE COORDINATOR

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ABOUT NIWE

National Institute of Wind Energy formerly Centre for Wind Energy Technology shortly known as NIWE is an autonomous R&D institution established in 1998 at Chennai by the Ministry of New and Renewable Energy (MNRE), Government of India. It is a premier institution with highly experienced professionals having expertise in all related disciplines of wind energy sector. NIWE is a forward looking and practical institution always well placed to take the next logical steps towards advancing wind technology in the right direction. With its progressive approach to all wind energy related science and technology from onshore to offshore, NIWE assures assistance from resource assessment to project implementation. As an integral part of NIWE, a world class accredited services providing Wind Turbine Test Station (WTTS) is established at Kayathar, Tamil Nadu. NIWE is the only NABL & NABCB Accredited agency in India doing Testing & Certifying on Wind Turbines.

NIWE has been vested with the responsibility to provide complete scientific and technical backing to all stakeholders in the field of wind energy and has stated its commitment through its quality policy.

QUALITY POLICY

NIWE is committed to provide credible, prompt and complete solution of international quality to all the stakeholders in the wind energy sector by complying applicable standards & guidelines and to enhance customer satisfaction, loyalty and confidence by meeting their requirements.

NIWE, strives to be technical focal point of excellence for the present and future. NIWE shall stay at the forefront of Wind Energy Application by continually improving its expertise.

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