

MEMORANDUM OF UNDERSTANDING

BETWEEN

**MINISTRY OF NEW AND RENEWABLE
ENERGY (MNRE), NEW DELHI**

AND

**NATIONAL INSTITUTE OF WIND ENERGY
(NIWE), CHENNAI**

FOR THE YEAR 2025-26

NATIONAL INSTITUTE OF WIND ENERGY, CHENNAI

Memorandum of Understanding - 2025-26

PART- I: OBJECTIVES

NIWE is an autonomous R & D institution under the Ministry of New & Renewable Energy established to serve as the technical focal point for wind power development in India, for promoting and accelerating the pace of utilization of wind energy and support the growing wind power sector in the country. Other objectives of NIWE are:

- to carry out activities such as wind resource assessment, preparing wind power density maps, wind atlas, Indian standards & its certification on wind turbines, activities related to offshore wind energy, etc., in the area of wind/ renewable energy, as may be assigned by the Ministry from time to time;
- to develop and strengthen the facilities and capabilities, evolve strategies, promote, conduct, co-ordinate and support research and development programs to achieve and maintain reliable and cost-effective technology in wind power systems;
- to undertake human resource development programs for the personnel working in the wind energy sector;
- to promote commercial exploitation of know-how; and know-why results and offer various consultancy services to the customers;
- to promote the development and commercialization of other wind energy systems.

PART-II: EXERCISE OF ENHANCED AUTONOMY AND DELEGATION OF FINANCIAL POWERS

As per Rule 51 of the NIWE's Memorandum of Association (MOA), NIWE Recruitment Rules and Bye-Laws, the Director General has been delegated with full powers to incur expenditure on all NIWE activities up to the Budget Limit.

PART-III: MAIN ACTIVITIES

Whereas the Institute recognizes that the process of developments has to relate continuously to significant and notable changes that are taking place in the Wind related industry and, rapidly exploring universe of knowledge in the area. And for that purpose, the Institute has:

1. To survive on specialization, work increasingly in frontline areas that transcend disciplines. The following thrust areas form part of the effort.
 - Research and Development (R & D)
 - Wind Resource Assessment and Offshore Development (WRA&O)
 - Wind Turbine Testing (Both Large and Small)
 - Standards and Certification (S&C)
 - Skill Development Training (SDT)
 - Wind Energy & Hybrid System



2. To have a perception and a value system appropriate to the pursuit of high engineering science to meet the critically evaluated needs of the industry
3. To programme into their activities emerging technological needs with futuristic needs
4. To maintain and foster interactive linkage with leading technological institutions and Institutes of research in India and abroad.

PART- IV: ROLES OF MNRE AND NIWE

Ministry of New and Renewable Energy [MNRE] on its part shall endeavor to provide adequate funding as per the approval of the Governing Council of NIWE for all the approved activities, besides providing direction and guidance on the thrust areas for research in accordance with the overall aim of the government.

In consideration of activities to be implemented, the Institute shall endeavor:

- To absorb the establishment related expenditure from its internal earnings that are over and above the sanctioned grant by the Ministry under this head;
- To increase the internal generation of revenue by at least 10 to 20% every year. The Institute shall project expenditure pattern for its Internal Revenue Generation and anticipated earnings during the year.
- To levy User charges including overhead/institutional charges/management fee in respect of Consultancy/Sponsored Projects, wherever the output or benefit of services are utilized by others are levied at appropriate rates as per amended GFR Rule No.47 and display the same in the website.
- To achieve self-sufficiency in the matter of meeting expenditure on account of Salary and Salary related expenditure for regular staff of NIWE.
- To seek approval of the Ministry for activities beyond DG's delegated powers including those relating to agreements with international parties.
- Ministry shall hold a quarterly review meeting with NIWE at MNRE to review Physical and Financial targets and NIWE will send achievements of the targets on monthly basis to the Ministry and will also be reviewed by GC, NIWE appropriately.
- The Institute shall follow the policy level decision(s) of GC/ MNRE with regard to programme implementation from time to time.

PART- V: SPECIFIC PARAMETERS AND TARGETS

The following are specific activities along with defined timelines which NIWE is expected to complete during 2025-26.



NATIONAL INSTITUTE OF WIND ENERGY, Chennai

MoU TARGETS FOR THE YEAR 2025-26

Sl. No.	Targets	Deliverables	Weight age %	Timeline
(1)	(2)	(3)	(4)	(5)
I	TECHNICAL			
1	Offshore Wind and Environmental Studies at Sub zone 1 Gulf of Mannar, Tamil Nadu coast for 500MW Wind Farm	Completion of Wind and other Met Ocean Measurements and submission of final report	5%	February 2026
2	Offshore Geotechnical studies at Sub zone 1 Gulf of Mannar, Tamil Nadu coast for 500MW Wind Farm	Geotechnical investigation	4%	March 2026
3	Preparation of Wake Analysis Report for 14 Offshore sub zones at Gulf Of Mannar, off Tamil Nadu coast	Submission of Wake Analysis Report	5%	March 2026
4	Finalization of DPR for the Dhanuskodi offshore wind Research and demonstration project	Final DPR. Obtaining the CRZ clearance from MoEF&CC.	3%	March 2026
5	Development of Floating LiDar Offshore Wind Measurement System-A Demonstrative Project (NIOT)	Development of buoy system and validate in open-sea conditions (preferably nearshore) for short period of time	4%	March 2026





6	Field investigations on acoustic noise measurements of existing wind turbines of various technologies in different Terrain conditions (Flat, complex, semi complex) (NIWE-Internal)	Complete Noise Measurements in Semi & Complex Terrains as per IEC 61400-11 Edn 3.0	3%	March 2026
7	Technical support to BIS for preparation of Indian standards on wind turbines	Finalization of 2nos. of Indian standards	3%	March 2026
8	Installation and Commissioning of met mast at Odisha for promoting Wind Energy in the state (a) 150m met mast – Three Nos. (b) 120m met mast – Two nos.	Installation & commissioning of five numbers of 120/150m met mast at Odisha Initiation of Measurement	4%	March 2026
9	WRA studies in New & Uncovered areas @ 150 m level.	Obtaining NoC, AAI & MoD clearance and Installation & commissioning of 150 m WMS in various parts of the country (4 locations)	3%	March 2026
10	Type Testing of Grid connected Wind Turbines (Consultancy Project)	Inking of Two Agreements Initiation of Two Testing Projects	3%	March 2026

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11	Manufacturing Evaluation of various components / sub-systems of Wind Turbines as part of Certification Process (Consultancy Project)	Manufacturing Evaluation Report for Two projects	5%	March 2026
12	Verification Procedure of Wind Monitoring Stations for five wind masts (Consultancy Project)	Data Analysis Report preparation for Wind Monitoring Stations	5%	March 2026
13	Energy Yield Assessment (ten projects) (Consultancy Project)	Preparation of Energy Yield Assessment	5%	March 2026
14	Preparation of feasibility / DPR for AEP calculation for one site (Consultancy Project)	Preparation of feasibility / DPR	3%	March 2026
15	Issuance of Elevation Certificate (Consultancy Project)	Issuance of Elevation Certificate for three clients	4%	March 2026
16	Initiation of Accreditation as per ISO/IEC 17025:2017 for Wind Resource Assessment & mast related activities	Document preparation Inter Lab comparison	4%	March 2026
17	Vayumitra Skill Development Programme (VSDP) Phase II	Implement the VSDP Project Phase II and achieve the target of training 900 participants through Training of Participant (ToP) Programme (30 Nos. of Training), 210 Trainers through Training of Trainers (ToT) Programme (7 Nos. of Training).	3%	March 2026




18	National Training Course	Proposed to conduct Two courses on "Wind Energy Technology"	3%	March 2026
19	Customized Training for clients	Proposed to conduct Two courses on "Wind Energy Technology"	3%	March 2026
20	Renewal of accreditation as per ISO/IEC 17025:2017 for testing services	To successfully undergo recertification audit by NABL	3%	March 2026
21	Maintaining Accreditation as per ISO/IEC 17065:2012 for Certification Services	To successfully undergo Office Assessment / Witness Assessment	2%	March 2026
22	Maintaining Accreditation as per ISO/IEC 17020:2012 for Inspection Services	To successfully undergo Office Assessment / Witness Inspection	2%	March 2026
23	Publications of Papers by Scientists at reputed journals	5 research papers in peer review journals / international conferences	5%	March 2026
24	Report Preparation	(i) update the technology catalogue	1%	March 2026
		(ii) technical and cost implication of higher temperature WTGs	1%	March 2026
		(iii) climatic database for windy regions	1%	--
		(iv) Monthly Performance report for wind turbines commissioned for one site in any of the wind rich States subject to the availability of the data to NIWE by SECI/PSUs/Grid Operators	1%	--





II	ADMINISTRATIVE			
1	Recruitment of vacant posts	Recruitment of 12 vacant posts	2%	March 2026
2	Finalization of Revised Recruitment Rules	Finalization of Revised Recruitment Rules	2%	December 2025
3	Promotion / Financial Upgradation	Promotion / Financial Upgradation for Scientific, Technical & Administrative staff	2%	December 2025
III	FINANCIAL			
1	Grant in Aid – Capital & Revenue - Sanctioned Rs.31 crores for the FY 2025-26	Utilization of Rs.31 Crores for different Scientific / Technical projects	3%	March 2026
2	Internal Revenue Generation	Rs.10 Crores will be generated through activities such as Scientific / Consultancy services	3%	March 2026
	TOTAL		100%	


Director General
National Institute of Wind Energy
(NIWE), Chennai


Secretary
Ministry of New & Renewable Energy
(MNRE), New Delhi

Place: New Delhi.

Date : 26/9/2025