

MEMORANDUM OF UNDERSTANDING

FOR THE YEAR

2013-14

BETWEEN

**MINISTRY OF NEW AND RENEWABLE
ENERGY [MNRE]**

AND

**CENTRE FOR WIND ENERGY
TECHNOLOGY
[C-WET], CHENNAI-600-100**

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To undertake Human Resource Development programmes for the personnel working in the wind energy sector.

To promote commercial exploitation of know-how, know-why results and offer various consultancy services to the customers.

To promote the development and commercialization of any other wind energy systems including stand-alone systems.

To carry out any other activity in the area of renewable energy under R&D, as may be assigned by the Ministry from time to time.

PART – II EXERCISE OF ENHANCED AUTONOMY AND DELGATION OF FINANCIAL POWERS

As decided by the Governing Council of C-WET.

PART - III SPECIFIC PARAMETERS AND TARGETS

Whereas the basic function of the Centre is admittedly to serve as a Technical Focal Point in Wind Energy related areas, the Ministry of New and Renewable Energy [MNRE] on its part shall endeavor to provide besides adequate resources through full monetary support for the Centre to achieve its aims and objectives relevant to the technological/scientific needs of the Country and play a vital role in the national level Science and Technology Policy/Planning of the Country.

The Centre is committed to perform at its best in all spheres of its areas relating to Wind Energy and will continue to provide assistance and guidance in the Wind Energy related areas and shall maintain high standards of quality in its work.

Research and Development

[a] whereas the Centre recognizes that the process of developments has to relate Continuously to

I significant and notable changes that are taking place in the Wind related industry and

II rapidly exploring universe of knowledge in the area

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And for that purpose, the Centre has:

1. to survive on specialization, work increasingly in front line areas that transcend disciplines. The following thrust areas form a part of this effort.
 - Research and Development
 - Wind Resource Assessment
 - Wind Turbine Testing
 - Wind Turbine Research Station, Kayathar
 - Standards and Certification
 - Information, Training and Customized Services
 - Engineering Services Division
 - Solar Radiation and Resource Assessment Unit
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 centres of research in India and abroad.

[b] Ministry of New and Renewable Energy [MNRE] on its part shall endeavor, besides providing adequate funding as per the approval of the Governing Council of C-WET for all the above activities

1. Industry-academic interaction will be encouraged and whatever incentives that are provided by the other Scientific Institutions to its staff shall be made available to the Centre's personnel staff;
2. to encourage measures necessary to create situations where the Centre's focus remains engaged within the country and outside in challenging tasks
3. to engage the Centre in the selective thrust areas of research and development; and
4. to support fully for efforts of the staff and the efforts for indigenous technology development.



WORKING AMBIENCE

Whereas the institute shall endeavor to meet the objectives stated above, to the extent possible/feasible, the Ministry of New and Renewable Energy [MNRE] shall endeavor

1. to give external support to the Centre's Management for enforcing higher standards of achievements and reward the staff; and
2. to help the Centre to maintain highest standards even if it means modifying some of the Government's policies in the sphere of industrial relations and extent of autonomy.
3. to formulate guidelines by making it mandatory for the wind turbine manufactures to get C-WET clearance compulsorily before introducing any model in India, irrespective of the fact that they have obtained such approval from any institution abroad.
4. to allow C-WET's administrative matters to be settled and decided at the level of Executive Director C-WET and wherever considered necessary in consultation with the Chairman GC-CWET.

IMPLEMENTATION OF ACTION POINTS

[A] In consideration of action points to be implemented, the Centre shall undertake

- to reduce establishment related expenditure;
- to exert to submit Utilization Certificates and audited statement of accounts within the stipulated period of 6 months of closing of the financial year;
- to increase the internal generation of revenue by at least 10 to 20% every year.
- Shall undertake to achieve Dynamic Parameters in the above areas as indicated in the table below:



DETAILS OF EXPENDITURE TO BE INCURRED DURING 2013-14

[Figures in lakhs]

Sl No	Details of expenditure to be incurred during 2009-10	BE 2013-14	Description of In-puts	Targeted outputs in measureable terms
1	Capital expenditure including equipments for Wind Turbine Testing station at Kayathar	50.00	Enhancement of R&D Lab equipments, and software such as Blades, Delphi, & high end data servers, Test kits for small turbines etc.	Carrying out R&D related activities in C-WET/WTTS Kayathar and elsewhere in the country.
2	Wind Resource Assessment in 7 states-100 stations	450.00	Procurement of equipments like LIDAR, sensors etc. 120 Masts for WRA work	Selection/Placement of order and payment during the current year.
4	R&D Unit Research proposals as per R&D council approval	100.00	To carry out research relevant projects in wind turbine related area[s].	Sponsored research proposal with academic/R&D institutions
5	Recurring expenditure	350.00	Maintenance, up-keep expenses of the Centre [Chennai/Kayathar]	Essential need based expenditure.
6.	Information Testing and Commercial services	50.00	Purchase of journals, augmentation of facilities like server etc.	Up-gradation of facilities, information and dissemination etc.
	Total	1000.000		



**PART – IV COMMITMENTS ASSISTANCE
FROM THE GOVERNMENT
[MNRE].**

The MNRE would take all possible measures within its means to enable C-WET to function effectively to attain its Objectives set forth in this MOU.

**PART – V ACTION PLAN FOR
IMPLEMENTATION AND
MONITORING OF THE MOU.**

The information on actual performance against targets set in the MOU would be reviewed by the GC-C-WET and follow-up action taken accordingly.



**Dr S Gomathinaygam
Executive Director**

C-WET Chennai

**डॉ. एस. गोमतिनायगम
Dr. S. GOMATHINAYAGAM**

**कार्यकारी निदेशक
EXECUTIVE DIRECTOR**

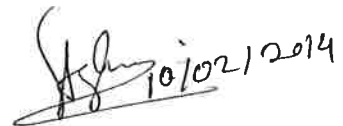
**पवन ऊर्जा प्रौद्योगिकी केन्द्र
CENTRE FOR WIND ENERGY TECHNOLOGY**

**(नवीन और नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार)
(Ministry of New & Renewable Energy, Government of India)
पल्लिकरानई PALLIKARANAI, चेन्नै CHENNAI-600 100, (भारत INDIA)**

Place: New Delhi

Date: /12/2013.

10/2/2014



**Dr.Satish Balram Agnihotri
Secretary
MNRE New Delhi**



