

NATIONAL INSTITUTE OF WIND ENERGY

Chennai

MINUTES OF THE FORTY FOURTH MEETING OF GOVERNING COUNCIL OF NATIONAL INSTITUTE OF WIND ENERGY HELD ON 23rd SEPTEMBER 2019 AT THE CONFERENCE ROOM OF MNRE, NEW DELHI

The following were present:

1.	Shri. Anand Kumar Secretary, MNRE, New Delhi	President of the Society & Chairman
2.	Shri. Praveen Garg Additional Secretary and Financial Adviser, MNRE, New Delhi	Member
3.	Shri. Bhanu Pratap Yadav Joint Secretary (Wind Energy), MNRE, New Delhi	Member
4.	Shri S.K. Soonee Advisor & Former CEO, Power System Operation Corporation Limited, Chairman, R&D Council, NIWE	Member
5.	Prof. Nagesh R. Iyer Director IIT Dharwad and former Director CSIR-SERC	Member
6.	Dr. K. Balaraman, Director General, NIWE, Chennai.	Member Secretary

ALSO PRESENT

1.	Shri.G. Upadhyay Director (Wind), MNRE, New Delhi
2.	Shri.Salil Kumar Dy. Secretary, MNRE, New Delhi
3.	Shri.Rahul Rawat Scientist 'B', MNRE, New Delhi
4.	Dr.Rajesh Katyal Deputy Director General, WSOM, NIWE, Chennai
5.	Shri.D. Lakshmanan Deputy Director General (F&A), NIWE, Chennai
6.	Shri. A Senthilkumar Director (S&R), NIWE, Chennai

The Chairman welcomed the members of Governing Council of NIWE and briefed about the new initiatives being taken-up by the Ministry in the wind energy sector and the areas in which NIWE's active role is required.

The Council thereafter took up the Agenda for discussion.

Agenda item No. 44:01: To grant leave of absence to the Members who were not present in the Meeting.

The Council granted leave of absence to Mr. Praveen Kumar, CMD IREDA, Mr. Pankaj Joshi, Principal Secretary, Govt. of Gujarat, Principal Secretary (Energy Department), Govt. of Tamilnadu, Dr. Raj Kumar, Dy. Director EPSA, Space Application Centre ISRO, Mr. Tulsi R Tanti, Chairman, Indian Wind Turbine Manufacturers Association and Mr. Sunil Jain, Chairman WIPPA could not attend the meeting and requested for leave of absence. GC granted them leave of absence.

Agenda item No.44:02: To confirm the Minutes of the 43rd Meeting of Governing Council of NIWE held on 15.03.2019

The approved minutes of the 43rd Meeting of the Governing Council of NIWE held on 15.3.2019 at MNRE, New Delhi were circulated to all the members. No comments were received from the members on the approved minutes of the meeting.

The Council confirmed the minutes of the 43rd meeting.

Agenda item No.44.03: To review and approve the action taken on the decisions of previous Council Meetings.

Member Secretary explained in detail the action taken by NIWE on the decisions of previous Council Meetings. Item wise observations made by GC is given below:

a. Action taken on the Agenda Item No. 39.4 (a), 40.03 and 42.03(a): Work carried out for the project "Wind Resource Assessment in uncovered / new areas 2013-14/2014-15 at 100 m level in Chhattisgarh"

Member Secretary briefed the status and informed that the sites were shown low to moderate wind speed and hence sites were closed down. The WRA report has been sent to MNRE.

GC noted the same.

b. Action taken on the Agenda Item No. 39.04 (i), 40.03 & 42.03(b): Wind Resource Assessment Studies on existing Telecom Towers in North Eastern

Member Secretary informed the status to the council. The council after deliberation advised

- To prepare DPR for Manipur and Meghalaya site and advised JS (wind) MNRE to take up the matter with SECI for development of wind farm capacity at least 10MW.

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- To close down wind measurement through telecom towers where wind measurement has been completed for over an year and does not show potential for wind farm development
GC after discussion approved the same.

c. Action taken on the Agenda Item No. 40.04 & 42.03 (c): Geotechnical and Geophysical studies off the Gujarat and Tamil Nadu Coast.

Member Secretary informed the status to the council.
GC noted the same.

d. Action taken on the Agenda Item No. 40.05, 42.03 (d): Installation of Monopile substructure and platform for mounting LiDAR at Gulf of Mannar, Tuticorin, Tamil Nadu for Offshore Wind Resource Assessment

Member Secretary informed the status to the council.
GC noted the same.

e. Action taken on the Agenda Item No. 40.06 & 42.03 (e): Geotagging / On-line registry of wind turbines

Member Secretary informed the status to the council.

The GC after detailed discussion approved the following

- All the new wind turbines should be geo-tagged before commissioning and NIWE to initiate the process
- To initiate ground truth verification of wind turbine data through outsourcing mode by following due process at an estimated cost of Rs. 4 Crores under CFA budget and complete the task during 2019-20.

NIWE to send the detailed proposal to MNRE for examination.

f. Action taken on the Agenda Item No. 40.15 & 42.03(i): Any other item with the permission of the Chair Agenda item No. 40.15(b): Procurement of 2 Nos. of Remote Sensing Instruments (LiDAR/SODAR)

Member Secretary informed the status to the council.
GC noted the same.

g. Action taken on the Agenda Item No. 41.05 & 42.03 (k): To consider and approve the progress Met-ocean measurements (Wave, Tide, Current, Water level etc.) at Gulf of Khambhat and Gulf of Mannar through RDSPAC for fostering the growth of offshore wind in the country

Member Secretary informed the status to the council.

GC noted the same.



h. Action taken on the Agenda Item No. 41.06 & 42.03(I): To Consider and approve proposal on Integrated Wind Solar Resource Assessment

Member Secretary informed the status to the council.
GC noted the same.

i. Action taken on the Agenda Item No. 40.07 & 43.13: Procuring LVRT testing facility and initiating testing of LVRT

Member Secretary informed the status to the council.

GC after detailed deliberation approved the procurement 'in principle' and advised NIWE to send the details to MNRE for its consideration and approval.

j. Action taken on the Agenda Item No. 40.08 II a: Establishment of Centre for Excellence in Wind Power Forecasting at NIWE, Chennai

Member Secretary informed the status to the council.

GC after detailed deliberation advised JS(Wind) to constitute core committee consisting of eminent experts from Academics, CEA, POSOCO, NIWE, NISE, MNRE and officials from utilities for improving forecasting and scheduling of wind and solar generation in the country. GC also approved NIWE shall explore possibilities to have Professor, Asst. Professor along with Ph.D scholars to do the research on this subject.

k. Action taken on the Agenda Item No. 40.08 2.II(b): Development of indigenous wind power forecasting model

Member Secretary informed the status to the council.
GC noted the same.

l. Action taken on the Agenda Item No. 41.11(i): Establishment of Small Wind Turbine Hub Facility for Design and Component Testing at the Renewable Demonstration Lab in Wind Turbine Research Station(WTRS), Kayathar.

Member Secretary informed the status to the council.
GC noted the same.

m. Action taken on the Agenda Item No. 42.13 & 43.08: National Blade Test Facility / To consider and approve proposal for Establishment of Blade Test Centre (Large Wind Turbine)

Member Secretary informed the status to the council and said that survey for the requirement for establishing large wind turbine blade testing center, wind tunnel facility for R&D & calibration of anemometer and drive train facility in the country and the outcome of survey is as under:

- Out of 20 respondents, only 11 have provided the reply.
- Out of 11, 8 have shown interest for the Establishment of Blade Test Facility in India. Rest 3 (Suzlon, Regen and GE) have not shown interest.

- Out of 8, 6 have desired the location at Kayathar (proposed by NIWE).
- GE, Inox, Siva, Siemens Gamesa, RRB and Suzlon said that Drive train test facility is also required in the country.
- Envision, Inox, Siva, Siemens Gamesa and Suzlon are sending close to 500 anemometers for calibration outside the country and expressed strong desire to have wind tunnel facility for R&D and for calibration of wind sensors.

GC after detailed discussion approved the proposal in principle for establishing

- Blade test facility (both static and dynamic) for testing of upto 120m blade length
- Wind tunnel facility for R&D purpose and calibration of wind sensors
- Drive train facility

And decided that NIWE would submit the proposal to MNRE for consideration and approval under R & D scheme.

n. Action taken on the Agenda Item No. 43.04: To consider and approve signing of MOU for the year 2019-20 between NIWE and MNRE

Member Secretary informed to the council that MoU is signed with the MNRE on 6th August 2019.

GC noted the same.

o. Action taken on the Agenda Item No. 43.05: To consider and approve the recommendations of 28th Meeting of the Finance Committee of NIWE

Member Secretary informed the status to the council.

GC noted the same.

p. Action taken on the Agenda Item No. 43.06: To consider and approve the Minutes of 27th R&D Council meeting of NIWE

Member Secretary informed the status to the council.

GC noted the same.

q. Action taken on the Agenda Item No.43.07: To consider and approve the Rapid EIA for the 1 GW offshore wind block off Gujarat Coast

Member Secretary informed the status to the council.

GC noted the same.

r. Action taken on the Agenda Item No. 43.09: To consider and approve Establishment of Wind and Solar Data Resource Centre and Analytics Laboratory in NIWE, Chennai

Member Secretary informed the status to the council.

GC noted the same.

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s. Action taken on the Agenda Item No. 43.10: To consider and approve medical facilities for all staff including retired and retiring officials

Member Secretary informed the council that, based on approval of GC, NIWE had explored the possibility to invite tender for both inpatient as well as outpatient medical insurance for serving and retired staff including ED/DG. However, he mentioned that the insurance companies are not giving quotation for outpatient treatment and sought the approval of GC for implementing CS(MA) Rules (treatment in CGHS /State Government empaneled hospitals) with provision of reimbursement as per CGHS approved rates for both serving as well retired/retiring staffs including ED/DG.

GC after detailed deliberation approved the proposal for implementing CS(MA) Rules (treatment in CGHS /State Government empaneled hospitals) with provision of reimbursement as per CGHS approved rates for both serving as well retired staffs including ED/DG.

t. Action taken on the Agenda Item No. 43.11: To allow NIWE to provide the Certification related services in co-operation with the Internationally Accredited Certification bodies as per the needs of the Indian Wind Industry

Member Secretary informed the status to the council.
GC noted the same.

u. Action taken on the Agenda Item No. 43.12 : Concept note for establishing Skill Development Centre at WTTS, Kayathar

Member Secretary informed the status to the council.

GC after detailed deliberation advised NIWE to initiate action

- To have certification course to train 1000 vayu mitra's .
- To have master degree program in collaboration with IIT or Anna University
- To conduct 6 month course for engineering graduates.

v. Action taken on the Agenda Item No.43.14: To consider and approve the Proposal on "Wind Turbine Testing Program: Building Quality Assurance & Capacity

Member Secretary informed the status to the council.
GC noted the same.

w. **Action taken on the Agenda Item No. 43.15:** Any Other item

On awarding of Contracts on account of House Keeping, garden without mentioning the required manpower

Regarding floating of Contracts on account of House Keeping, garden without mentioning the required manpower, Member Secretary informed GC that action has been initiated to float fresh tenders as per the decision of GC and on receipt of response the contracts will be awarded accordingly.

Member Secretary informed the status to the council.
GC noted the same.

Agenda item No. 44.04: To review and approve the statutory compliance report

Member Secretary explained to GC the compliances adhered to by NIWE as mentioned in the agenda.

The GC after discussion noted the same.

Agenda item No. 44:05: To consider and approve the Annual Report along with Audited Accounts for the year 2018-19

The Member Secretary explained the Annual Report in detail about the activities carried out during 2018-19 along with Audited Accounts as approved by the Finance Committee in its meeting held on 9th September 2019 and sought GC's approval for the same.

The GC after discussion approved the draft Annual Report of NIWE for the year 2018-19 along with Audited Accounts and permitted DG, NIWE to finalize the report in time and to ensure that the Hindi Translation is carried out, and that the bilingual annual report be sent to MNRE at the earliest so as to lay before both the Houses of Parliament during winter session.

Agenda item No. 44:06: To consider and approve the Recommendations of the 29th meeting of the Finance Committee held on 9th September 2019

The Member Secretary briefed the GC about the recommendations of the 29th FC meeting held on 9th September 2019 and sought approval on the recommendations.

The GC after discussions approved the minutes of the 29th FC meeting held on 9th September 2019.

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Agenda item No. 44:07: To consider and approve the proposal for Wind Monitoring Stations

Member Secretary explained the proposal for Wind Monitoring Stations to carry out the wind/ solar measurements under two stage process

- Using the existing telecom towers in the region of interest based on the meso scale information, so that the requisite measurement campaign can be completed within the specific time period and expedite the process of assessing the potential.
- Wherever, the wind resource assessment using telecom towers are showing good potential with average wind speed greater than 5m/sec at 30/50 m with at least one-year continuous data, then full-fledge wind measurements using the met masts and sensors as per IEC standards would be undertaken.

GC after discussion given in-principle approval for the proposal of NIWE and advised NIWE to submit the same to MNRE for approval.

Agenda item No. 44:08: To consider and approve taking up Wind resource assessment studies for the Indian Army/ Defence/ BSF and other Government departments/ agencies

Member Secretary explained the proposal for taking up Wind resource assessment studies for the Indian Army/ Defence/ BSF and other Government departments/ agencies.

GC after discussion given in-principle approval to take up wind/ wind-solar hybrid resource assessment studies with 100 % funding from MNRE as and when such requests are received from the Indian Army/ Defense/ BSF. These studies will be taken up by NIWE after approval from MNRE.

Agenda item No. 44:09: To consider and approve bench marking of costs for assessment of Capital Costs and O&M Costs for Wind Energy Technology for estimating Tariff as per the requirements of CERC/SERC

Member Secretary explained the proposal for Bench marking of costs for assessment of Capital Costs and O&M Costs for Wind Energy Technology for estimating Tariff as per the requirements of CERC/SERC at the total cost of Rs.45 lakhs as outlined in the agenda and sought approval of GC.

The GC after discussion approved the proposal of NIWE at the total cost of Rs.45 lakhs as contained in the proposal.

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Agenda item No. 44:10: To consider and approve hiring Project Engineers / Outsourced Staff for various projects / Consultancies undertaken by NIWE

Member Secretary explained about the Proposal for hiring Project Engineers / Outsourced Staff for various projects / Consultancies undertaken by NIWE.

The GC after discussion and advised NIWE to send the proposal to MNRE for its consideration and approval.

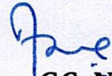
Agenda item No. 44:11: To consider and approve Capacity building and infrastructure development for inspection / testing activities of Wind Turbine Safety and Performance Assessment Certification - WTSPAC (Proposed in IWTCS)

Member Secretary explained about the proposal for capacity building and infrastructure development for inspection / testing activities of Wind Turbine Safety and Performance Assessment Certification - WTSPAC (Proposed in IWTCS) at the total cost of Rs. 3.44 Crores as outlined in the agenda and sought approval of GC.

The GC after discussion advised DG, NIWE to meet the expenditure out of internal revenue and recover the same with projects.

Agenda item No. 44:12: Any other item with the permission of the Chair

As there were no other items to be discussed, the meeting ended with a vote of thanks to the Chair.


Chairman, GC, NIWE