

**NATIONAL INSTITUTE OF WIND ENERGY  
Chennai**

**MINUTES OF THE FORTY SECOND MEETING OF GOVERNING COUNCIL OF  
NATIONAL INSTITUTE OF WIND ENERGY HELD ON 4<sup>th</sup> SEPTEMBER, 2018  
AT THE CONFERENCE ROOM OF MNRE, NEW DELHI**

**The following were present:**

1.	<b>Shri. Anand Kumar, I.A.S., Secretary, MNRE, New Delhi</b>	President of the Society & Chairman
2.	<b>Ms.Gargi Kaul, I.A.A.S., Additional Secretary and Financial Adviser, MNRE, New Delhi</b>	Member
3.	<b>Shri Bhanu Pratap Yadav, I.A.A.S., Joint Secretary (Wind Energy), MNRE, New Delhi</b>	Member
4.	<b>Shri Kuljit Singh Popli Chairman &amp; Managing Director, IREDA, New Delhi</b>	Member
5.	<b>Shri S.K. Soonee Advisor &amp; Former CEO Power System Operation Corporation Limited Chairman, R&amp;D Council, NIWE</b>	Member
6.	<b>Shri Tulsi R Tanti Chairman, Indian Wind Turbine Manufacturers Association (IWTMA)</b>	Member
7.	<b>Prof. Nagesh Iyer, Expert (former Director CSIR-SERC)</b>	Member
8.	<b>Dr. K. Balaraman, Director General, NIWE, Chennai.</b>	Member Secretary

**ALSO PRESENT**

9.	<b>Shri.G. Upadhyay Director (Wind), MNRE, New Delhi</b>
10.	<b>Dr.Rajesh Katyal Deputy Director General, WRA&amp;O, NIWE, Chennai</b>



*Dr. Balaraman*

11.	Shri.D. Lakshmanan Deputy Director General (F&A), NIWE, Chennai
12.	Shri.Mohammed Hussain Deputy Director General , WTRS, NIWE, Chennai
13.	Shri.J.C. David Solomon Director (R&D, IT, ITCS), NIWE
14.	Shri Rahul Rawant Scientist B, MNRE Delhi

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. 42:01: To grant leave of absence to the Members who were not present in the Meeting.**

The Council granted leave of absence to Dr. Rajkumar, Deputy Director (EPSA), Space Application Centre, Ahmedabad, Shri Mohd Nasimuddin, IAS Principal Secretary Energy, Government of Tamilnadu, Mr Raj Gopal, IAS Principal Secretary Energy and Petro chemicals Department, Government of Gujarat and Shri H S Shetty, Chairman WIPPA could not attend the Meeting and requested for leave of absence. GC granted them leave of absence.

**Agenda item No.42:02: To confirm the Minutes of the 41st Meeting of Governing Council of NIWE held on 17.03.2018**

The approved minutes of the 41<sup>st</sup> Meeting of the Governing Council of NIWE held on 17.03.2018 held at NIWE, Chennai 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 41<sup>st</sup> meeting.

**Agenda item No.42.03: To review and approve the action taken on the decisions of previous Council Meetings.**



*Rahul*

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.41.03 (a)/39.4:** Works carried out for the project "Wind Resource Assessment in uncovered / new areas.

Member Secretary informed the status to the council.

GC noted the same.

- b. Action taken on the Agenda Item No.41.03 (f)/39.04 & 40.03:** Wind Resource Assessment Studies on existing Telecom Towers in North Eastern.

Member Secretary informed the status to the council.

GC noted the same.

- c. Action taken on the Agenda Item No.41.03 (g)/40.04:** Geotechnical and Geophysical studies off the Gujarat and Tamil Nadu Coast.

Member Secretary informed the status to the council and the need to shift the Lidar placement and hence the location for geo physical survey and geo technical survey from Zone A to Zone C for the details reasons mentioned therein as contained in the agenda Page 20 and sought approval of the GC for the same . The GC after detailed deliberation approved for the location change from Zone A to Zone C in Tamilnadu coast.

- d. Action taken on the Agenda Item No.41.03 (h)/40.05:** 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 and change in location of Lidar.

GC noted the same.



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**e. Action taken on the Agenda Item No.41.03 (i)/40.06: Geotagging / On-line registry of wind turbines**

Member Secretary GC, NIWE informed that the Geo tagging/Online registry of Wind Turbines work was under progress and data for 13.9 GW has been obtained from SNA's of which 12.5 GW has been verified. Further, it was informed that the web portal development has been initiated and is underway.

After discussions Chairman asked members of GC Mr.Popli, CMD, IREDA and Mr.Tulsi Tanti, Chairman, IWTMA to provide the informations available within their organization and their affiliate member manufacturers and associated IPPs respectively. Further asked NIWE to share the details to Joint Secretary (Wind) to take up during review meetings.

**f. Action taken on the Agenda Item No. 40.07: Establishing of Low Voltage Ride Through (LVRT) testing facility at NIWE**

Regarding the establishment of LVRT testing facility at NIWE, Member Secretary informed that, one valid bid has been received for Rs. 12.99 crores on the last day of the bid submission for the global tender published by NIWE on 31.05.2018.

With respect to the rental / hire of LVRT test equipment, the committee was informed one bid was received and MNRE vide its email dt.10.05.2018, has opined that it is not financially feasible as the cost would not be recovered.

Financial advisor, MNRE opined that, NIWE may record on file the justification for going ahead with the one bid received for procurement of LVRT. In this regard, GC representative from Industry, Mr.Tulsi Tanti, Chairman, IWTMA said the cost is reasonable. The same was concurred by Prof Nagesh Iyer GC Member and Chairman, R&D Council, NIWE and advised NIWE to proceed with the procurement of the same.

After discussion GC advised NIWE to go ahead with the with the procurement of the LVRT test facility with single valid bid.



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

Member Secretary informed the status to the council regarding the action taken on this and the GC noted the same.

**h. Action taken on the Agenda Item No. 40.09:** Development of indigenous wind power forecasting model

Member Secretary informed the status to the council.

GC noted the same.

**i. Action taken on the Agenda Item No. 41.03 (n) / 40.15 (b):** 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. Further, Member secretary briefed on the approval of GC for installing 200m wind masts. With the advanced technology for measurement through Remote Sensing Instruments (LiDAR / SODAR), the work of 200m has not been initiated considering the costs and the land required for installing such an high masts which may also pose safety issues.

With the initiation of wind measurement at higher heights based on remote sensing instruments, the earlier approval for 200m masts can be dropped

GC noted and approved the same.

**j. Action taken on the Agenda Item No. 41.04:** To consider and approve signing of MoU for the year 2018-19 between NIWE and MNRE.

Member Secretary informed the council that the MoU has been signed on 25/7/2018.

**k. Action taken on the Agenda Item No. 41.05:** 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.

**I. Action taken on the Agenda Item No. 41.06:** To consider and approve progress on Integrated Wind Solar Resource Assessment:

Member Secretary informed the council about the developments underway in the approved proposal through RDSPAC on Integrated Wind Solar Resource Assessment and the council took note of the progress.

Member of the council from industry suggested that, the locations suitable for wind-solar hybrid projects may be ear marked as separate zones for better utilization of natural resources.

Chairman advised that, the ear marking of zones for wind-solar hybrid projects may be undertaken by NIWE and the list be published accordingly.

**m. Action taken on the Agenda Item No. 41.07:** To consider and approve the progress on 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 informed the status to the council.

GC noted the same.

**n. Action taken on the Agenda Item No. 41.08:** To consider and approve the progress on preparation of Indian Wind Turbine Certification Scheme



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The council was informed by the Member Secretary that the draft Indian Wind Turbine Certification scheme has been submitted to MNRE and a committee to review and finalize the draft has been put in place by MNRE.

Industry members opined that, this scheme should also include mechanism for energy assessment which is of serious contention between OEM, developers, investors and FI's. Member Secretary informed the members that the mechanism is also included in the proposed Certification mechanism.

Chairman concurring with members on the need for Indian Wind Certification Scheme and stated that the scheme should be implemented at the earliest.

- o. Action taken on the Agenda Item No. 41.11:** Testing facility for active power control, reactive control, frequency response and other grid requirements in wind turbines

Secretary informed the council about the progress made in (a) Construction of Renewable Energy Lab cum Small Wind Turbine hub facility at Kayathar and stated that the works has been entrusted to CPWD (for around 1400 sq.m.) (b) Small Wind Turbine International workshop and conference (c) Establishment of testing facility for Small Wind Turbine. The council took note of the progress.

- p. Action taken on the Agenda Item No. 41.12:** Any other item with the permission of the Chair:

**i).** Establishment of Smart Re-Micro Grid with Integrated Resource and Building Management System (IRBM) for NIWE, Chennai

**ii).** Composition of Governing Council, NIWE

Member Secretary informed the status to the council.

GC noted the same.



*H. Balakrishnan*

**Agenda item No. 42.04: To review 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. 42:05: To consider and approve Proposal for Establishment of National Test Centre for Offshore Wind Turbines**

The Member Secretary explained to the GC in detail about the proposed new test facility for testing offshore wind turbines at a cost of Rs.149.92 crores . The Council opined that the test setup should be called as a Test Facility instead of Test Centre and advised that being a first of its kind facility a consultant should be engaged in, to ensure that the establishment is constructed as per International best practices and in line with world class facilities already operating in Europe.

The GC after discussion gave in principle approval for the proposal of NIWE and advised NIWE to submit the detailed revised proposal incorporating manpower requirement, cost of land, consultancy service, etc. and send the proposal to MNRE for approval with SFC mode.

**Agenda item No. 42:06: To consider and approve Mobile App for Solar and Wind Applications.**

Member Secretary explained the salient features of the Mobile App for Solar and Wind Applications. The Council place on record its appreciation with regard to the creation of this application. Further it was opined that, App may be launched during the Re-invest conference in October 2018. Further the council suggested that NIWE may apply for National Awards for the creation of this Mobile app to appropriate forums like Niti Aayog / PMO, etc.

The GC after discussion approved the launching of the Mobile App and presenting through the Prime Minister during the Re-invest conference to be held in New Delhi.



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**Agenda item No. 42:07: To consider and approve Charging Processing fee for Wind and Solar Data.**

Member Secretary explained the Proposal on Charging Processing fee for Wind and Solar Data. FC of NIWE (Agenda No.27.14) has recommended that the proposal may be sent for approval to MNRE for its consideration and approval for ensuring that the proposal charging is as per the guidelines issued by the GOI /MOF/DOE with regard to costing of user charges. GC further advised that the government institutions and for R&D purposes be charged only 50% of the charges after taking undertaking as may be required.

The GC after discussion approved the proposal for charging processing fee for Wind and Solar Data and send it to Ministry for formal approval.

**Agenda item No. 42:08: To consider and approve to host IEC TC 88 and IECRE meetings during the year 2020 at Chennai**

Member Secretary explained the Proposal on hosting IEC TC 88 and IECRE meetings during the year 2020 at Chennai at a cost of Rs.40 lakhs. The Council after discussion, approved the proposal of NIWE, and advise it to send a detailed proposal for consideration and approval of the Ministry besides getting the concurrence of MEA.

**Agenda item No. 42:09: To consider and approve Organizing Tech-Talk at NIWE, Chennai**

Member Secretary explained the Proposal on Organizing Tech-Talk at NIWE, Chennai involving a budget expenditure of Rs.15 lakhs per year and sought the approval of GC.

The GC after discussion approved the proposal of NIWE and advised it to meet the expenditure from its internal revenue generation.

**Agenda item No. 42:10: To consider and approve Preparation of Detailed Project Report for MANIREDA (North-East)**



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Member Secretary explained the Proposal on Preparation of Detailed Project Report for MANIREDA (North-East) and GC advised it to send it to MNRE [WE Division] for its approval .

**Agenda item No. 42:11: To consider and approve Minutes of the 26th Meeting of the Finance Committee of NIWE held on 1.5.2018**

The Member Secretary briefed the GC about the recommendations of the 26<sup>th</sup> and 27<sup>th</sup> FC meeting held on **01.05.2018 and 04.09.2018 respectively** and sought approval on the recommendations.

The GC after discussions approved the minutes of the 26<sup>th</sup> and 27<sup>th</sup> FC meeting held on **01.05.2018 and 04.09.2018 respectively** which inter-alia include the following:

- [a] to approve the annual accounts along with Auditor's Report for the year 2017-18;
- [b] to approve payment of additional fee of Rs.20,000/- plus GST for the year 2017-18 to the Statutory Auditors M/s. G.Badri Narayanan & Co in addition to the approved fee for their additional time involved in scrutinsing accounts due to GST and other related issues.
- [c] to approve the appointment of M/s. G.Badri Narayanan & Co., Chartered Accountants as Statutory Auditors for NIWE for the year 2018-19 at a fee of Rs.75,000/-p.a plus GST.
- [d] to approve the carry forward of unspent balance[s] during 2017-18 as under:

	Rs.
<b>Grant - Capital</b>	<b>17,26,78,850</b>
<b>Grant - Revenue</b>	<b>9,48,59,777</b>
<b>Grant - Smart Grid</b>	<b>-3,42,768</b>
<b>Grant - NE Region</b>	<b>2,81,64,928</b>
<b>Grant - Spl. Training</b>	<b>-4,46,913</b>
<b>Grant - 25kW Smart Grid</b>	<b>24,94,609</b>



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<b>IREDA Award Fund</b>	<b>1,07,99,910</b>
<b>SRRA - Phase-1</b>	<b>-3,95,175</b>
<b>SRRA - Phase-2</b>	<b>4,77,900</b>
<b>SRRA - USP</b>	<b>2,05,00,472</b>
<b>Met Ocean Measurement</b>	<b>10,00,00,000</b>
<b>Integrated Wind Solar Resource Assessment</b>	<b>3,56,00,000</b>

(d) for continuing the existing practice of deduction of EPF payment of Employer contribution to NIWE [erstwhile C-WET] staff based on the actual emoluments drawn .

(e) for creation of 36 fresh posts for NIWE as contained in the proposal and advised NIWE to submit a self-contained proposal for consideration of Ministry and thereafter by Department of Expenditure, Ministry of Finance.

[f] to defer the proposal for introduction of med claim to the retirees of NIWE and to send the proposal to MNRE for consideration and approval.

[g] to revise the MOA, RRs and Bye-laws based on the instructions issued by GOI/MOF

[h] to frame a comprehensive delegation of powers to DG NIWE based on DFPRS and submit the same to the Ministry for its approval.

**Agenda item No. 42:12: To consider and approve the Annual Report along with Audited Accounts of NIWE for the year 2017-18**

The Member Secretary explained the Annual Report which details of activities carried out during 2017-18 and sought GC's approval for the same.

The GC after discussion approved the draft Annual Report of NIWE for the year 2017-18 and permitted DG, NIWE to finalize the report in time and to ensure that the Hindi



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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. 42:13: Any other item with the permission of the Chair**

(i) Member Secretary informed the council that, two collaborative Research projects have been submitted from NIWE to “DST – Innovation Fund Denmark Call for Joint Research Proposals Application Forms for Joint Research Projects (For Indian Scientists)”.

(a) The proposal titled “Optimized Design and Operation of Hybrid Power Plant (HYBRIDize)”

(b) A proposal titled “India Offshore Wind Cost of Energy (IOWIND)”

GC after discussions noted the same.

(ii) Director (Wind), MNRE has said that there is a need for National Blade Testing Facility. Member Secretary further informed the salient features National Facility for Blade Testing as a Centre of Excellence of NIWE to cater the needs of the Industry and indicated that based on the tentative estimate it may cost around Rs 45 to Rs 50 crores excluding taxes etc. Joint Secretary, MNRE also emphasized the need for having such a National Blade Testing Centre. The GC after detailed deliberation gave its in principle approval and advised NIWE to submit a detailed proposal in the next GC for its consideration and approval.

(iii) The Council deliberated on the requirements of creating a training course of 2 to 3 weeks for technicians and engineers in the field of turbine maintenance and desired that NIWE may create a syllabus and get it vetted from institutes of repute running similar programmes like TERI, etc. The Chairman IWTMA offered to share the training module details and syllabus prepared by M/s. Suzlon and its trainers for NIWE’s use during the structuring of the syllabus and during the conduct of the training courses.



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Chairman desired that the training may be called 'Vayu Mitra' in line with the Surya Mitra programme. GC approved in principle the programme and advised NIWE to submit a detailed proposal to Ministry for approval.

- (iv) Chairman desired that NIWE may take the services of World renowned subject matter experts and setup core teams to work on specific areas of industry requirement and to train NIWE staff on the subject. NIWE will be submitting a proposal to MNRE.
- (v) JS, MNRE informed the council that, REMC are being established with its own forecasting services from multiple 3rd party forecasting service provider. In this regard, Chairman, RC Shri.S.K. Soonee said that worldwide there will be atleast three to four forecast made available to the system operator and categorically said that NIWE should work on creating the Centre of Excellence in Forecasting both in Wind and Solar. NIWE shall provide this forecast service to both SLDC and RLDC and create the indigenous models by partnering with weather forecasting providers like IMD, NCMWRF, ISRO – SAC, etc.

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

*A. Balan*

*D/c 7.9.*

**Chairman, GC, NIWE**

