



WINDEWS

Quarterly Magazine · APRIL 2026
Volume 3, Issue 7

WINDEWS – Where Wind Meets Wisdom.

TOP RE NEWS...

- Tamil Nadu Announces Amendment to Re-Powering and Refurbishment Policy 2024.
- Maharashtra Govt announces New RE policy with Special emphasis on Battery Energy Storage Systems BESS.
- TNGECL Re tenders 34.75 MW Wind Solar Hybrid Projects at Muppandal, Puliakulam, and Kayathar.
- Tamil Nadu Electricity Regulatory Commission announces new Grid Code.
- Adequacy Planning discussion paper by CERC.
- All India Wind Installed Capacity as on 1st March 2026 reaches 55 GW.
- Installed Capacity in major States,
Gujarat Leads with 15 GW,
Tamil Nadu 12 GW,
Karnataka 8.5 GW,
Maharashtra 5.8 GW

INSIDE THE WINDEWS ...

- *From MD's Desk...*
- *Business Development...*
- *Founder's Achievements...*
- *Project Updates...*
- *Project completed...*
- *Plus Activities at Windplus...*
- *Technology Insight...*

From Founder's Desk ...



Dr. Karunamoorthy Neethimani

Founder at Windplus | Director at KP Group | Vice President (INDIA) WWEA |
Treasurer IWPA ftember | IRENA Coalition for Action | ftember Board of Studies |
Author of ftime of Wind



As we step into the new financial year, we do so with renewed energy, clear purpose, and strong determination. The past year has demonstrated our resilience, technical strength, and unwavering commitment, where every challenge strengthened us and every milestone reflected the power of teamwork. This year, our focus is clear: securing new projects, delivering excellence, and strengthening coordination across all functions. Our success will depend on how effectively we work together as one unified Windplus family, with seamless collaboration across sites, engineering, and operations. In a competitive and evolving energy landscape, our agility and innovation will define our edge, while we remain firmly grounded in integrity, technical excellence, and accountability. I encourage each one of you to take ownership, support one another, and contribute beyond your roles. Together, we will drive growth, build strong partnerships, and achieve collective success. Let this financial year be one where we don't just meet expectations, but set new benchmarks.

"When purpose drives us, unity strengthens us, and excellence guides us, every new beginning becomes a benchmark for success."

– Founder, Windplus.

BUSINESS DEVELOPMENT...



In this financial year 2025-26, amid ongoing initiatives, the following have emerged as our key project highlights:

- Successful commissioning of a 140 m triangular Met Mast in Karnataka and safe relocation of a dismantled 150 m Met Mast
- Accomplishment of key pre-construction activities, including soil investigations with NABL-certified agencies, for WTG foundation development, along with 295 m³ of concrete works and 32 MT of reinforcement
- Successful completion of logistics route development for the 140 MW Wind–Solar Hybrid Project in Kudligi, ensuring smooth access to all WTG locations along with the construction of a storage yard for the same
- Efficient construction of the pooling substation, 33 kV and EHV transmission line works, alongside the erection of EHV towers and completion of SGR & MCR buildings
- On time completion of Foundation works for the Met Mast & WTGs
- Successful completion of precise elevation surveys for WTGs in Karnataka, enabling the issuance of NOCs from the MoD and AAI

With a strong sense of momentum following the effective delivery of this year's activities, we are eager to carry this energy into the new financial year!

Founder's Achievements...

Our founder participated in the IRENA meeting, CII, MOW tamil book lanching, CIT keynote address and KP group site visit...



PROJECT UPDATES...

Milestone Update - 33 kV Transmission Line



Logistics Route Development Completed 140 MW Wind-Solar Hybrid Project Kudligi, Karnataka



Switch Gear Room (SGR) and Main Control Room (MCR) buildings to our client Tata Power



Project updates on a different site by the Windplus team

PROJECT UPDATES...

**EHV Tower Erection Work,
Kudligi Project, Karnataka**



**70Mw Wind-Solar Hybrid
Project - Pooling
Substation under
construction**



WTG Foundation work



**The Pooling Substation is
under construction**



WTG Foundation work



**Project updates on a different site by the
Windplus team**

PROJECT COMPLETED...



Windplus Project Milestone Advancing Wind Resource Excellence in Karnataka!!!

We are proud to share a significant milestone in our renewable energy journey. Last month, Windplus successfully commissioned two critical wind measurement infrastructure projects in Karnataka,

- *Hadagalli – 150 m Lattice Mast*
- *Dasarahalli – 140 m Triangular Met Mast*

Project Highlights

Successful relocation and commissioning of a 150 m wind mast

Execution included:

- *Dismantling of 31 mast sections*
- *Removal and reconstruction of 13 foundations as per approved designs*
- *Safe transportation and re-erection*
- *Sensor installation, earthing, and final commissioning*
- *Completed on schedule with strict adherence to HSE standards*

Execution Excellence

- Relocating a 150 m mast is a complex engineering task, requiring precision planning and flawless coordination.

Despite Right of Way (ROW) challenges and site constraints, the project was delivered seamlessly through:

- Strong project planning and execution discipline
- Cross-functional coordination
- Uncompromised safety practices

This milestone was made possible through the dedicated efforts of our team. The commissioning was efficiently executed by Selva Sethupathi along with our erection team. A special note of thanks to Saravana Karthikeyan Neethimani for his strong leadership, Muthusenthil Balasubramaniyan for his continuous support, and Nivetha C S for her valuable contribution to the project. Proud to be part of a team driving progress in renewable energy infrastructure.

PLUS & CSR ACTIVITIES AT WINDPLUS...



WINDPRO
Powering a greener tomorrow



Harnessing low winds a strategic necessity

– N Karunamoorthy, A S Isverya, I Esther

Harnessing low winds has emerged as a defining inflection point in wind energy, as the industry moves beyond high-wind coastal and hilly corridors towards a more engineered, intelligence-driven paradigm. Once underutilised, low-wind regions are now becoming viable due to advances in turbine technology, improved low-wind power curves, AI-enabled optimisation and hybrid system integration. These innovations enable power generation closer to demand centres, reducing transmission losses and improving grid stability. Unlocking this potential depends on strong policy alignment and precise engineering, supported by advanced resource assessment and optimised monitoring. As prime wind sites near saturation, harnessing low winds is no longer optional but a strategic necessity for achieving scalable, resilient and low-carbon energy growth.

High rotor diameter: A game changer for low winds

One of the most powerful tools for harnessing low winds is increasing the rotor diameter. The energy captured by a turbine is directly proportional to the swept area of the rotor, making the rotor size far more impactful than merely increasing the MW rating. Figure 1 shows the correlation between turbine rating and rotor diameter of a few models in India.

Turbine rating	Rotor diameter
5.2 MW	100 m
4.2 MW	100 m
3.6 MW	156 m
250 KW	30 m
225 KW	30 m
210 KW	43 m
225 KW	29.8 m

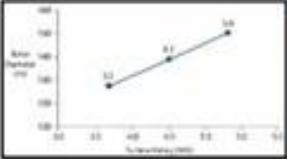


Figure 1. Correlation between turbine rating and rotor diameter

Larger rotors enable:

- Higher energy capture at low wind speeds
- Lower specific power (W/m²)
- Extended operating hours per year
- Reduced wake losses in optimised layouts

For low-wind sites, a 10–15% increase in rotor diameter can result in a 20–30% higher annual energy production (AEP), fundamentally changing the project viability.

High returns through improved PLF

In low-wind projects, performance certainty is as important as the peak output. This is where improved part load factor (PLF) and P90 confidence levels become critical.

Modern low-wind-optimised projects are now achieving the following:

- Mean PLF: 35–38%
- P90 PLF: ~32% as shown in Figure 2.





ஸ்ரீ சந்திரபிரபு ஜெயின் கல்லூரி, மீன்குர்
SHREE CHANDRAPRABHU JAIN COLLEGE, MINJUR
 SCP Jain College Road (Kattur Road), Chennai Metro
 (Affiliated to the University of Madras)





INTERNATIONAL SEMINAR
 (ONE WEEK- VIRTUAL MODE)
“EMERGING TECHNOLOGIES IN CHEMISTRY”





Dr. N. KARUNAMOORTHY
 FOUNDER WINDPLUS Group,
 DIRECTOR KP Groups,
 Coimbatore, Tamilnadu

(18.02.2026) 11.00 a.m to 12.00 p.m

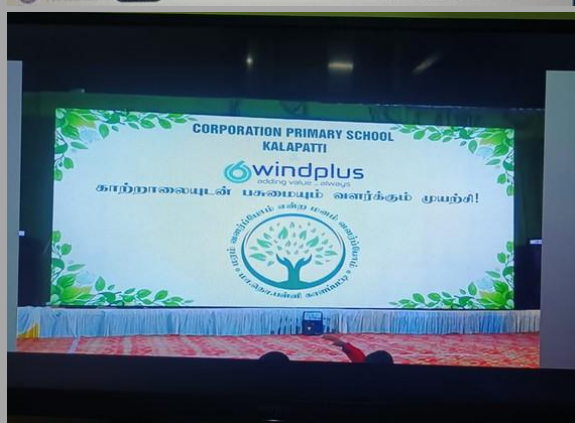


Sharmila (AP Chem)



Dr. Karunamoorthy Neethimani

International seminar (one week) “Emerging technologies in chemistry” by Dr. N. KARUNAMOORTHY



EVENTS AT WINDPLUS...

At WINDPLUS, the Pongal and Women's Day Function were celebrated.



TECHNOLOGY INSIGHT...



**DENMARK IS TURNING
DISCARDED WIND TURBINE
BLADES INTO STYLISH
BIKE SHELTERS**

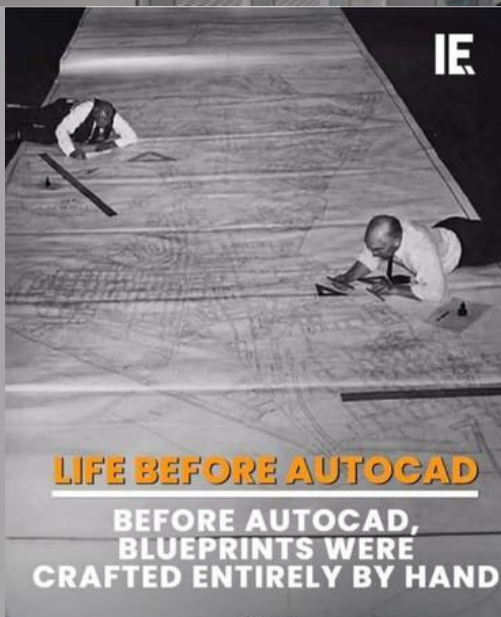


**Dubai Installs Solar Trees
Offering Free WiFi, Charging
Stations, and Shade**

**Delta Deploys 6.4 MWh
BESS for India's First
Underground Metro**



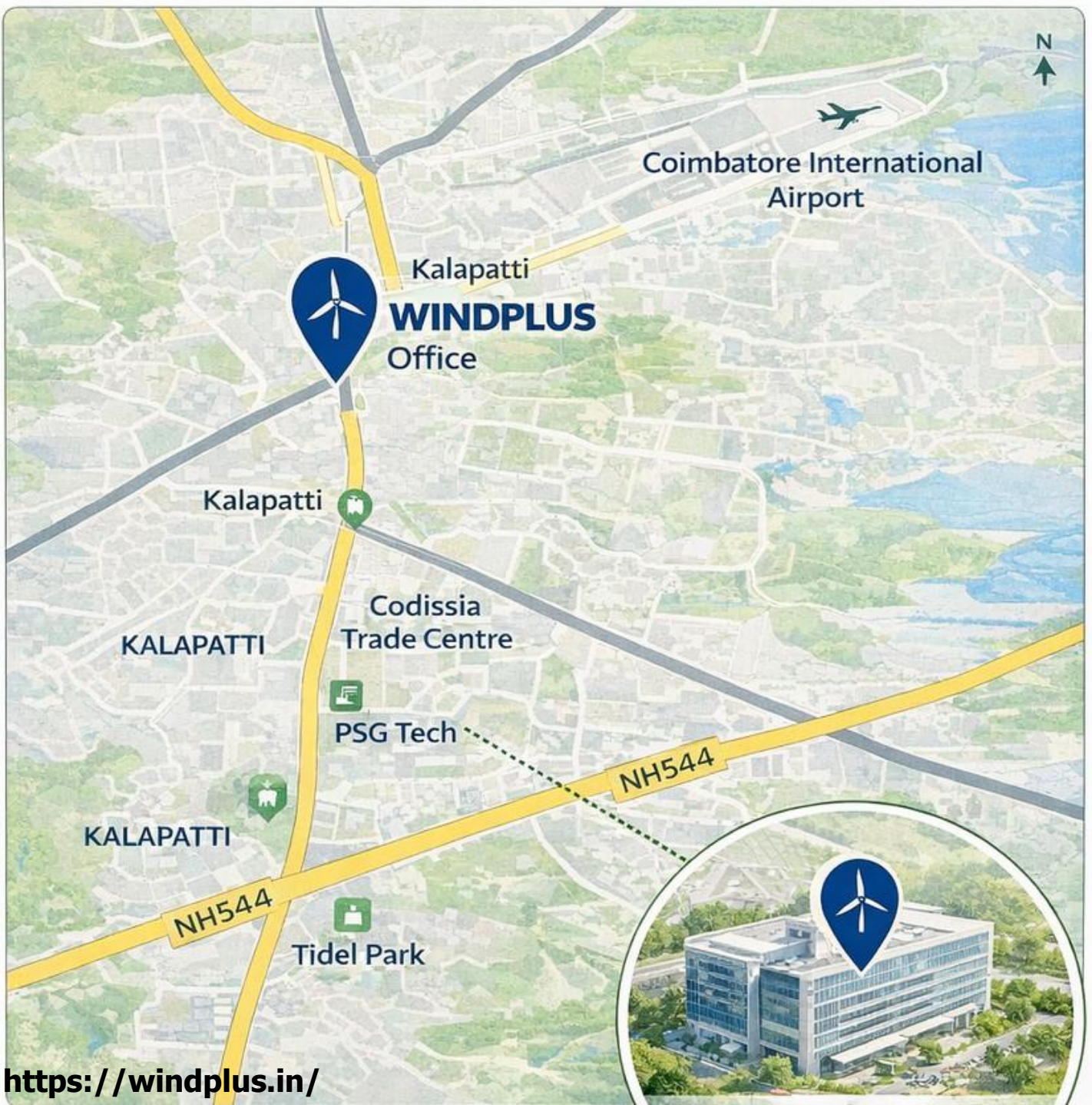
**UK scientists unveil robotic fish
that removes microplastics
from rivers.**



LIFE BEFORE AUTOCAD
**BEFORE AUTOCAD,
BLUEPRINTS WERE
CRAFTED ENTIRELY BY HAND**

**Bengal College Grows Saplings In
Discarded Coconut Shells Instead Of
Plastic, Distributes Them To Locals
For Free**





<https://windplus.in/>

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**Knowledge is the only wealth
which no one can steal from you.**
-Dr. N. Karunamoorthy.

