



राष्ट्रीय पवन ऊर्जा संस्थान NATIONAL INSTITUTE OF WIND ENERGY

(नवीन और नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार
Ministry of New and Renewable Energy, Government of India)

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Dr. S. GOMATHINAYAGAM
Director General

LETTER OF APPRECIATION

This is to express NIWE's deep appreciation to Prof. Rao Tatavarti, the Principal Investigator of the R&D project, wherein an indigenous photonic system for was designed and developed for real time remote monitoring of wind and other related air parameters simultaneously at different heights. The prototype system was tested and evaluated in laboratory experiments as well as experiments conducted at the NIWE field Sites located in Kayathar and Chennai and found to be working well in comparison to the commercially available Mast Anemometers, SODAR and a LIDAR.

A Peer Technical Review Committee - consisting of members from NIWE, CEERI-CSIR Chennai CSIR-SERC - after pertinent technical reviews has already placed on record, their deep appreciation for the excellent and pioneering work done by Prof Rao Tatavarti in proving new photonic technologies and system, for real time remote monitoring of wind and other air parameters.

The technologies developed in record time with very little funding, have far reaching implications for the national efforts in development of innovative indigenous technologies in an important discipline pertaining to renewable energy, and also in our endeavour to leap frog in development of indigenous technologies and systems for transforming India from being a predominantly importing country to an exporting country. The new technology has far superior characteristics compared to any of the existing technologies worldwide. Keeping in view the Nation's thrust and focus on indigenisation and innovation, it is recommended that the innovative efforts of Prof. Rao Tatavarti which resulted in a major scientific breakthrough in new indigenous technology, needs to be substantially supported for further testing and evaluation in order to result in productionization of innovative systems.

Wishing Lab to Land to happen soon, with improved safety and all weather operational enclosures the product is likely to be all set to be the outcome of financial and technical support of NIWE and dedicated innovation of Prof. Rao Tatavarti as his (IPR) patentable product, for wind industry's applications.

This letter of appreciation stands testimony to his hard work and timely completion leading towards commercialisation with cost effectiveness.


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