

**Ministry of New and Renewable Energy
Government of India
Wind Energy Division**

Wind Turbine Models included in the RLMM after declaration of new procedure (i.e 01 November 2018)

As on 13.06.2022

S. No	Manufacturing Company with contact details	Company Incorporation Details		License/ Collaborations/ Joint Venture	Model Name	Rotor Dia (RD) (m)	Hub Height (HH) (m)	Tower Type	Capacity (kW)	Type Certificate				Manufacturing system Certificate / ISO Certificate		
		Date	Document							According to	Any Outstanding Issues	Validity till	Document	According to	Validity till	Document
1	M/s Envision Wind Power Technologies India (Pvt.) Ltd., No. 24, 16th Floor, Concorde Block, UB City, Vital Mallaya Road, Bengaluru - 560001 Tel: 080-61296200 Fax: 080-61296215 Email: pr.gopan@envision-energy.com	12-07-2016	Envision Col	Envision Energy (JIANG SU) Co., Ltd., China	Envision EN2.5-131 50Hz IEC S HH120	131	100 / 120	Tubular Steel	2500	IEC 61400-22:2010	No	11-07-2023	Envision EN-131 TC	ISO- 9001: 2015	02-04-2024	Envision ISO
2					ENVISION EN-1563.3 MW 50 Hz IEC S HH 140 WIND TURBINE	156	140.53	Tubular Steel	3300 (!!) (###)	IEC 61400-22:2010	No	07-09-2026	Envision EN-156 TC			
3	M/s. GE India Industrial Private Limited Division: Wind Energy 601, 6th Floor, Tower B, RMZ Infinity, Old Madras Road, Bangalore - 560 016 Phone: 080-40482387 Fax: 080-40482341 email:Anand.Revankar@ge.com	25-09-2009	GE Col	General Electric Renewables, Espana, S.L.	GE 2.4-116, LM56.9P, HH 94m, 50 Hz	116	94	Tubular Steel	2430	IEC S Class (IEC 61400-22:2010)	No	08-08-2022	GE 2.4-116 TC	ISO 9001: 2015	05-03-2023	GE ISO
4					GE 2.5-132, GE64.5 / LM64.6P, HH94 & 130m, 50Hz IEC S (STW / CWE)	132	130 / 94	Tubular Steel	2530	IEC S Class (IEC 61400-22:2010)	No	30-05-2024	GE2.5-132TC			
5					GE 2.7 - 132	132	130 / 94	Tubular Steel	2730(\$\$\$)	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010 IEC WT Class S	No	25-08-2024	GE2.7-132TC			
6	M/s. Suzlon Energy Limited Tee Lounge, L-1, Left wing, One Earth, Opp. Magarpata City Hadapsar Pune - 411028. Phone: 020-401250009 Fax : 020-67022200 email:rchandra@suzlon.com	10-04-1995	Suzlon Col	Nil	SUZLON S111 DFIG 2.1 MW (50 Hz)	111.8	90/120/140	HH 90m - Tubular Steel & HH 120/140 m - Hybrid Lattice Tower	2100(*) (**)	IEC IIIA/ IEC S (STV, HTV, HTV (Light)) Class (IEC 61400-22:2010)	No	20-09-2022	S111 DFIG 2.1MW TC	ISO 9001: 2015	20-02-2024	Suzlon ISO
7					SUZLON S120 DFIG 2.1 MW (50 Hz)	120	105/120/140	HH 105m & 120m - Tubular Steel Tower, HH 140m - Hybrid Lattice Tower, HH 140m - Hybrid Concrete Tower	2100(%)	IEC S Class (IEC 61400-22:2010) and IEC 61400-1:2005 +AMD1:2010)	No	22-01-2024	S120DFIG-TC			
8					S133 2.6 MW/ 2.8 MW	133	105 / 140 / 160	HH 105m - Tubular Steel Tower, HH 140m - Hybrid Lattice Tower & Modular Hybrid Lattice Tower, HH 160m - Modular Hybrid Lattice Tower	2600/2800	IEC S Class (IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010)	No	27-02-2027	S133_PTC			
9	M/s. Vestas Wind Technology India Private Limited, 298, Rajiv Gandhi Sala, Shollinganallur, Chennai - 600119 Phone: 044-24505100 Fax : 044-24505101 email:adaya@vestas.com	09-11-2006	Vestas Col	Vestas Wind Systems A/S, Denmark	Vestas V100-2MW 50 Hz VCS Mk10	100	75:80/95/100	Tubular Steel	2000(***)	IEC S Class (IEC 61400-22:2010)	No	29-04-2025	Vestas V100-2MW 50 Hz TC	ISO 9001: 2015	31-12-2024	Vestas ISO
10					Vestas V120 2.0/2.1/2.2 MW 50Hz VCS Mk11	120	118	Tubular Steel	2000/2100/2200	IEC 61400-22:2010-05 - Part 22	No	25-06-2024	VestasV120TC			
11	M/s. Inox Wind Limited Inox Towers, Plot No. 17 Sector - 16-A, Noida, Uttar Pradesh - 201301 Phone: 0120-6149708 Fax: 0120-6149610	09-04-2009	Inox Col	AMSC Austria GmbH, Austria	Wind Turbine Inox Wind DF2000/113 Rotor Blade WB552 2.0 Hub Heights 92m and 120m, GL WTC IIIA	113	92/120	HH 92 m - Tubular Steel, HH 120 m - Hybrid tower with tubular steel sections and concrete bottom	2000	GL 2010 GL Class III A	No	19-11-2022	DF2000-113 TC	ISO 9001: 2015	26-06-2023	Inox ISO

12	email: prosanto.mullick@inoxwind.com				Inox Wind DF2000-100 Rotor Blade WB48.8-2.0-3 Hub Height 80m and 92m, GL WT Class IIB	100	80/92	Tubular Steel Tower	2000	GL 2010 GL Class III B	No	07-04-2024	DF2000-100 TC			
13	M/s. Senvion Wind Technology Private Limited, B504, Delpchi Building, Orchard Avenue, Sector No.3, Hiranandani Business Park, Hiranandani Garden, Powai, Mumbai-400076 Phone: 022-71299700 Email: amit.kansal@senvion.com	02-02-2017	Senvion Col	RE Technologies GmbH, Germany	Senvion 2.3M120-2300kW Rotor Blade Type - LMSS.7P and LMSS.7PS HH 120m IEC WT Class S (Based on IIB)	120	120	Tubular Steel	2300#	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010 IEC WT Class S IIB	No	14-09-2022	Senvion 2.3 M120	ISO 9001:2015	30-06-2024	Senvion ISO
14					Senvion 2.3M130/2.7MW	130	120/130	Tubular Steel	2700 (%)	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010 IEC WT Class S	No	05-11-2024	Senvion 2.3 M130			
15	M/s. Siva Wind Turbine India Private Limited, 12/A, Kandasapayam, Perundurai-638052 Erode District, Tamil Nadu Phone No. 04294-220017 Email: mani@sivaplymers.com	28-02-2005	Siva Col	No	SIVA 250/50	30	50	4-Legged Lattice Steel tower	250	IS/IEC 61400-22:2010	No	21-07-2026	Siva 250/50	ISO 9001:2015	10-08-2025	Siva ISO
16					SIVA 225/40	30	50	4-Legged Lattice Steel tower	225	IS/IEC 61400-22:2011	No	27-10-2026	Siva 225/40			
17	M/s. Siemens Gamesa Renewable Power Private Limited, No.489, G.N.T. Road, Thandalakazhaini, Vadagarai PO, Red hills, Chennai – 600052 Phone: 044 - 39242424 Fax: 044-30060661 email:rkymal@gamesacorp.com	06-05-2006	Gamesa Col	Siemens Gamesa Renewable Energy Innovation and Technology, S.L, Spain	G114-2.0MW	114	106/110 (with a pedestal)	Tubular Steel	2000	IEC S Class (IEC 61400-1:2005+AMD1:2010)	No	22-07-2025	G114-2.0MW TC	ISO 9001:2015	13-07-2024	Gamesa ISO
18					SG 2.1-122 Rotor Blade Type SGRE 122 CS LM 60.0 P 108 m / 127 m HH IEC WT class S	122	108/127	Tubular Steel	2100	IEC S Class (IEC 61400-22:2010)	No	24-05-2023	SG2.1-122TC			
19					SG 2.2-122	122	108/127	Tubular Steel	2200	IECRE IEC S Class (IEC 61400-1:2005 + Amd 1:2010)	No	24-05-2023	SG2.2-122TC			
20					SG 3.4-145	145	127.5	Tubular Steel	3465	IECRE Class S, IEC 61400-1/A1, 2010	No	01-12-2025	SG3.4-145PTC			
21					SG 3.6-145	145	127.5	Tubular Steel	3600 (!) (!?)	IECRE Class S, IEC 61400-1/A1, 2010	No	01-12-2025	SG3.6-145PTC			
22	M/s. PASL Wind Solution (P) Limited Plot No. 34-35, Phase-1, G.I.D.C., Varva, Ahmedabad-382445 Phone: +91-79-40264747 Fax: +91-79-40264676 email: asjaveri@pwsl.in	23-09-2008	PASL Col	No	PWS1800	83.64	80	Tubular Steel	1500 S	IEC Class II A	No	17-05-2023	PWS1800-TC	ISO 9001:2015	09-08-2025	PASL ISO
23					PWS 900, 800.0 kW, P-28, HH 71.0m, IEC wind class IIA	58	71	Tubular Steel	800	GL 2010	No	03-09-2023	PWS900-TC			
24	M/s. Nordex India Private Limited (Formerly known as M/s. Acciona Wind Power India Pvt. Ltd.) C1-001, Tower C, Ground floor, The Millennia, No. 1 & 2, Murphy Road, Uboor, Bangalore - 560008 Phone: 080-4091660 Fax: 080-40916661 Email: pv@tal@nordex-online.com	26/09/2018	Nordex Col	Nordex Energy Spain S.A.U., Spain	AW125/3000 IEC IIB TH120 AW61.2-2.50 Hz	125	120	Tubular Reinforcement Concrete Tower	3000	GL 2010 WT Class IIB	No	11-11-2023	AW125-TC	ISO 9001:2015	13-08-2024	Nordex-ISO
25					AW140/3000 IEC S TH120 AW 68.7.50 Hz	140	120	Tubular Reinforcement Concrete Tower	3000#	GL 2010 WT Class S	No	12-11-2023	AW140-TC			

26	M/s. Para Enterprises Pvt. Ltd. (Formerly Pioneer Wincon Pvt. Ltd.) Tamarai, Tech park, 7th Floor, 16-20A, (SP developed plots), Jawahar Lal Nehru Salai, Industrial Estate, Gundi, Chennai, Tamil Nadu - 600032 Phone : 044 - 43414700 Email: ps@pioneerwincon.com ramu@pioneerwincon.com	06-09-2015	Para-Col	No	Pioneer Wincon 750/49, 750.0 kW, HT24, HH 61.5 & 75.0m, IEC III B	49.17	61.5/ 75	4- legged Lattice Steel Tower with tower top adapter	750	IEC 61400-22:2010	No	23-05-2023	Pioneer 750/49-TC	ISO 9001: 2015	05-03-2024	Para-ISO
27	M/s Pioneer Wincon Energy Systems Pvt. Ltd. Tamarai, Tech park, 7th Floor, 16-20A, (SP developed plots), Jawahar Lal Nehru Salai, Industrial Estate, Gundi, Chennai, Tamil Nadu - 600032 Phone : 044 - 43414728 Email: ps@pioneerwincon.com ramu@pioneerwincon.com	21/9/2018	PWES-Col	No	Pioneer Wincon 750/49, 750.0 kW, HT24, HH 61.1m & 75.3m, IEC III A	49	61.1 / 75.3	Lattice Steel Tower	750	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010	No	29-01-2024	PW750TC	ISO 9001: 2015	30-03-2025	PWES-ISO
28	M/s Pioneer Wincon Energy Systems Pvt. Ltd. Tamarai, Tech park, 7th Floor, 16-20A, (SP developed plots), Jawahar Lal Nehru Salai, Industrial Estate, Gundi, Chennai, Tamil Nadu - 600032 Phone : 044 - 43414728 Email: ps@pioneerwincon.com ramu@pioneerwincon.com				Pioneer Wincon 750/57, 750.0 kW, PW28, HH 75.0m, IEC wind class III A	57	75	4- legged Lattice Steel Tower with Tower Top Adapter	750	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010	Yes	06-06-2022	PW750/S7-TC			
29					Pioneer Wincon 750/57, 750.0 kW, PW28, HH 90.0m, IEC wind class III A	57	90	4- legged Lattice Steel Tower with Tower Top Adapter	750	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010	Yes	29-07-2022	PW750-90m-TC			
30	M/s Emergya Wind Turbine Pvt. Ltd. Nellikuppam High Road, Kayarabedu village, Guduvancherry, Chengalpet Taluk, Kanchheparam Distt., Tamil Nadu - 603202 Phone: 044 - 27438118 Email: joshi.raghavendra@ewtdirectwind.com	12-06-2018	EWT-Col	Emergya Wind Technologies BV, The Netherland	DIRECTWIND S8 1000kW	58	46/69	Tubular Steel Tower	1000	IEC 61400-1/A1 + AMD 1.2010-10 WTC IIA	No	26-04-2023	DirectwindS8-TC	ISO 9001: 2015	01-06-2023	EWT-ISO
31					DIRECTWIND 61 1000kW	61	46/69	Tubular Steel Tower	1000	IEC 61400-1/A1 + AMD 1.2010-10 WTC IIIA	No	07-05-2022	Directwind61-TC			
32	M/s Southern Wind Farms Limited No. 14, First Floor, Brindavan Street Extension, West Mambalam, Chennai - 600033, Tamil Nadu Phone: 044-42112948 Email: v.vasu@gwpl.co.in	23-05-2006	SWL-Col	No	GWL 225	29.8	48.7	Tubular Steel Tower (Folded Bolted)	225	IS/IEC 61400-22:2010 and IEC 61400-1 Edition 3.1 dated 2014-04 Class S	No	26-07-2026	GWL225-TC	ISO 9001:2015	02-01-2024	SWL-ISO

Note: This RLMM list has been prepared with the available documents / information furnished by the wind turbine manufacturers for the wind turbine models being manufactured by them. State Electricity Boards, TRANSCOs, State Nodal Agencies, Developers and any party referring this RLMM list shall verify complete type approval / certificate of the models listed above including ISO certificate for verification of validity period, detailed specifications, power curve and all the other relevant information including its legal implications. Also refer the renewed Type Certificate / ISO certificate for the validity period above than the period mentioned.

*WTG model can operate with Power output upto 2.2 MW under Enhanced Performance mode as per the Type Certificate.

** The validity of type certificate is restricted to the expiry date of Component certificate i.e. 20.09.2022

\$ Only ABB make generator and ABB make converter shall be used

SS M/s. Regen Powertech Pvt. Ltd. is undergoing the Corporate Insolvency Resolution Process (CIRP)

As per information provided by M/s. Senvion Wind Technology Pvt. Ltd., Senvion GmbH, Germany has filed for debtor-in-possession (d.i.p.) proceedings on 9 April 2019, in accordance with laws of Germany

#Only ELIN (model no. HRL-071 Z06) and Siemens AG (model no. DFIG-JPRA-630LR-06A) generators shall be used

SSS The validity of type certificate is restricted to the expiry date of Component certificate i.e. 25.08.2024

*** The wind turbine model can operate at the rated power range 2.0-2.2 MW depending upon de-rating strategy

! The power curve of SG 3.4-145' wind turbine model having rated power of 3.465 MW was used for type certification of SG 3.6-145' wind turbine model.

!! Only SGRE (type: CR33-6P) make generator shall be used.

!!! The validity of the Type Certificate is restricted to the expiry date of the Component certificate i.e. 26.03.2025

The geographical altitude of the erection site shall be less than 1000m above sea level for this turbine model.

% The validity of type certificate is restricted to the expiry date of Component certificate i.e. 05.11.2024. In case of blades manufactured by an alternate vendor viz., M/s Ria Blades S.A are used, only 10 sets of blades (Sl. Nos. RB002 to RB031) included in the type certificate shall only be used

%% The validity of type certificate is restricted to the expiry date of Component certificate i.e. 22.01.2024

Disclaimer: Inclusion of any wind turbine manufacturer and wind turbine model in RLMM list is based on the documents and information furnished by the respective company and it does not amount to certification or recommendation in any manner including suitability, usability etc., of the wind turbine models included in the list. Nevertheless, MNRE shall in no way be responsible or liable for any consequences including technical, commercial, operational, environmental and legal implications that may arise due to the usage of the list by any party at any time. The responsibility for the usage, verification of complete documents and consequences thereof lies entirely with the user.