

**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 19.10.2022

S. No	Manufacturing Company with contact details	Company Incorporation Details		License/ Collaboration/ 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, Vittal Mallaya Road, Bengaluru - 560001 Tel: 080-61296200 Fax: 080-61296215 Email: pr.gopan@envision-energy.com	12/07/2016	<a href="#">Envision Col</a>	Envision Energy(JIANGSU) Co., Ltd., China	Envision EN2.5-131 50Hz IEC S HH120	131	100 / 120	Tubular Steel	2500	IEC 61400-22:2010	No	7/11/2023	<a href="#">Envision EN 131 TC</a>	ISO: 9001: 2015	4/2/2024	<a href="#">Envision ISO</a>
2					ENVISION EN-156/3.3 MW 50 Hz IEC S HH 140 WIND TURBINE	156	140.53	Tubular Steel	3300 (!!!) (###)	IEC 61400-22:2010	No	9/7/2026	<a href="#">Envision EN-156 TC</a>			
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	<a href="#">GE Col</a>	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	8/8/2022	<a href="#">GE 2.4-116 TC</a>	ISO 9001: 2015	3/5/2023	<a href="#">GE ISO</a>
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	5/30/2024	<a href="#">GE2.5-132TC</a>			
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	8/25/2024	<a href="#">GE2.7-132TC</a>			
6	M/s. Suzlon Energy Limited Tree Lounge, L-1, Left wing, One Earth, Opp. Magarpatta City Hadapsar Pune - 411028.  Phone: 020-401250009 Fax : 020-67022200 email:rchandra@suzlon.com	10/04/1995	<a href="#">Suzlon Col</a>	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	7/29/2025	<a href="#">S111 DFIG 2.1MW TC</a>	ISO 9001: 2015	2/20/2024	<a href="#">Suzlon ISO</a>
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	1/22/2024	<a href="#">S120DFIG-TC</a>			
8					S133 2.6 MW/ 2.8 MW / 3.0 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/ 3000	IEC S Class (IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010)	No	2/27/2027	<a href="#">S133 PTC</a>			
9	M/s. Vestas Wind Technology India Private Limited Block B, 5th Floor, Tecci Park, Rajiv Gandhi Salai, Sholingnallur, Chennai - 600119  Phone: 044-24505100 Fax : 044-24505101 email:adaya@vestas.com	09/11/2006	<a href="#">Vestas Col</a>	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	4/29/2025	<a href="#">Vestas V100-2MW 50 Hz TC</a>	ISO 9001: 2015	12/31/2024	<a href="#">Vestas ISO</a>
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	6/25/2024	<a href="#">VestasV120TC</a>			
11					Vestas V155-3.6 MW	155	102.5/ 105/ 118/ 120/ 137	Conical Steel	3600	IS/IEC 61400-22:2010	Yes	3/28/2023	<a href="#">VestasV155TC</a>			

12	M/s. Inox Wind Limited Inox Towers, Plot No. 17 Sector - 16-A, Noida, Uttar Pradesh – 201301  Phone: 0120-6149708 Fax: 0120-6149610 email: prosanto.mullick@inoxwind.com	09/04/2009	<a href="#">Inox Col</a>	AMSC Austria GmbH, Austria	Wind Turbine Inox Wind DF/2000/113 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	11/19/2022	<a href="#">DF2000-113 TC</a>	ISO 9001: 2015	6/26/2023	<a href="#">Inox ISO</a>
13					Inox Wind DF/2000/100 Rotor Blade WB48.8-2.0-3 Hub Height 80m and 92m, GL WT Class IIIB	100	80/92	Tubular Steel Tower	2000	GL 2010 GL Class III B	No	4/7/2024	<a href="#">DF2000-100 TC</a>			
14	M/s. Senvion Wind Technology Private Limited, B501, Delphi Building, Orchard Avenue, Sector No.3, Hiranadani Business Park, Hiranadani Garden, Powai, Mumbai-400076 Phone 022-71299700 Email: amit.kansal@senvion.com	02/02/2017	<a href="#">Senvion Col</a>	RE Technologies Gmbh, Germany	Senvion 2.3M120 - 2300kW Rotor Blade Type - LM58.7P and LM58.7P5 HH 120m IEC WT Class S (Based on IIIB)	120	120	Tubular Steel	2300#	IEC 61400-22:2010 and IEC 61400- 1:2005 +AMD1:2010 IEC WT Class S IIIB	No	7/26/2027	<a href="#">Senvion 2.3 M120</a>	ISO 9001:2015	6/30/2024	<a href="#">Senvion ISO</a>
15					Senvion 2.3M130/2.7MW	130	120/130/140	Tubular Steel	2700 (%)	IEC 61400-22:2010 and IEC 61400- 1:2005 +AMD1:2010 IEC WT Class S	No	11/5/2024	<a href="#">Senvion 2.3 M130</a>			
16	M/s. Siva Wind Turbine India Private Limited, 12/A, Kandapalayam, Perundurai-638052 Erode District, Tamil Nadu Phone No. 04294-220017 Email: mani@sivaploymers.com	28/02/2005	<a href="#">Siva Col</a>	No	SIVA 250/50	30	50	4-Legged Lattice Steel tower	250	IS/IEC 61400-22: 2010	No	7/21/2026	<a href="#">Siva 250/50</a>	ISO 9001:2015	8/10/2023	<a href="#">Siva ISO</a>
17					SIVA 225/40	30	50	4-Legged Lattice Steel tower	225	IS/IEC 61400-22: 2011	No	10/27/2026	<a href="#">Siva 225/40</a>			
18	M/s. Siemens Gamesa Renewable Power Private Limited No.489, G.N.T. Road, Thandalkazhani, Vadagarai PO, Red hills, Chennai – 600052  Phone: 044 - 39242424 Fax: 044-30060661 email: navin.dewaji@siemensgamesa.com	06/05/2006	<a href="#">Gamesa Col</a>	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+AMD1:201 0)	No	7/22/2025	<a href="#">G114-2.0MW TC</a>	ISO 9001: 2015	7/13/2024	<a href="#">Gamesa ISO</a>
19					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	5/24/2023	<a href="#">SG2.1-122TC</a>			
20					SG 2.2-122	122	108/127	Tubular Steel	2200	IECRE IEC S Class (IEC 61400-1:2005 + Amd 1:2010)	No	5/24/2023	<a href="#">SG2.2-122TC</a>			
21					SG 3.4-145	145	127.5	Tubular Steel	3465	IECRE Class S, IEC 61400- 1/A1, 2010	No	12/1/2025	<a href="#">SG3.4-145TC</a>			
22					SG 3.4-145 (LM 71.0 P2)	145	127.5	Tubular Steel	3465	IECRE Class S, IEC 61400- 1/A1, 2010	Yes	1/25/2023	<a href="#">SG3.4-145P2TC</a>			
23					SG 3.6-145	145	127.5	Tubular Steel	3600 (!) (!)	IECRE Class S, IEC 61400- 1/A1, 2010	No	12/1/2025	<a href="#">SG3.6-145TC</a>			
24					SG 3.6-145 (LM 71.0 P2)	145	127.5	Tubular Steel	3600	IECRE Class S, IEC 61400- 1/A1, 2010	Yes	1/25/2023	<a href="#">SG3.6-145P2TC</a>			
25	M/s. PASL Wind Solution (P) Limited Plot No. 34-35, Phase-1, G.I.D.C., Vatva, Ahmedabad- 382445	23/09/2008	<a href="#">PASL Col</a>	No	PWS1800i	83.64	80	Tubular Steel	1500 S	IEC Class II A	No	5/17/2023	<a href="#">PWS1800i TC</a>	ISO 9001: 2015	8/9/2023	<a href="#">PASL ISO</a>

26	Phone: +91-19-40264747 Fax: +91-79-40264676 email: aajaveri@pws.in				PWS 900i, 800.0 kW, P-28, HH 71.0m, IEC wind class IIA	58	71	Tubular Steel	800	GL 2010	No	9/3/2023	<a href="#">PWS900i-TC</a>			
27	M/s. Nordex India Private Limited (Formerly known as M/s. Acciona Wind Power India Pvt. Ltd.) C1-001, Tower C, Ground floor, The Millenia, No. 1 & 2, Murphy Road, Ulsoor, Bangalore - 560008 Phone: 080-4091660 Fax: 080-40916661 Email: pvittal@nordex-online.com	26/09/2018	<a href="#">Nordex-COI</a>	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	<a href="#">AW125-TC</a>	ISO 9001: 2015	8/13/2024	<a href="#">Nordex-ISO</a>
28					AW140/3000 IEC S TH120 AW 68.7 50 Hz	140	120	Tubular Reinforcement Concrete Tower	3000#	GL 2010 WT Class S	No	11/12/2023	<a href="#">AW140-TC</a>			
29	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	9/6/2015	<a href="#">Para-COI</a>	No	Pioneer Wincon 750/49, 750.0 kW, HT24, HH 61.5 & 75.0m, IEC IIIB	49.17	61.5/ 75	4- legged Lattice Steel Tower with tower top adapter	750	IEC 61400-22:2010	No	5/23/2023	<a href="#">Pioneer 750/49-TC</a>	ISO 9001: 2015	3/5/2024	<a href="#">Para-ISO</a>
30	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	<a href="#">PWES-COI</a>	No	Pioneer Wincon 750/49, 750.0 kW, HT24, HH 61.1m & 75.3m, IEC IIIA	49	61.1 / 75.3	Lattice Steel Tower	750	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010	No	1/29/2024	<a href="#">PW750TC</a>	ISO 9001: 2015	3/30/2025	<a href="#">PWES-ISO</a>
31					Pioneer Wincon 750/57, 750.0 kW, PW28, HH 75.0m, IEC wind class IIIA	57	75	4- legged Lattice Steel Tower with Tower Top Adapter	750	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010	Yes	10/31/2022	<a href="#">PW750/57-TC</a>			
32					Pioneer Wincon 750/57, 750.0 kW, PW28, HH 90.0m, IEC wind class IIIA	57	90	4- legged Lattice Steel Tower with Tower Top Adapter	750	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010	Yes	11/30/2022	<a href="#">PW750-90m-TC</a>			
33	M/s Emergya Wind Turbine Pvt. Ltd. Nellikuppam High Road, Kayaranbedu village, Guduvancherry, Chengalpet Taluk, Kancheepuram Distt., Tamil Nadu - 603202 Phone: 044 - 27438118 Email: joshi.rahgavendra@ewtdirectwind.com	6/12/2018	<a href="#">EWT-COI</a>	Emergya Wind Technologies BV, The Netherland	DIRECTWIND 58 1000kW	58	46/69	Tubular Steel Tower	1000	IEC 61400-1/A1 + AMD 1,2010-10 WTC IIA	No	4/26/2023	<a href="#">Directwind58-TC</a>	ISO 9001: 2015	6/1/2023	<a href="#">EWT-ISO</a>
34					DW61-1000	61	46/69	Tubular Steel Tower	1000	IEC 61400-1/A1 + AMD 1,2010-10 WTC IIIA	No	5/5/2027	<a href="#">Directwind61-TC</a>			
35	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	5/23/2006	<a href="#">SWL-COI</a>	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	7/26/2026	<a href="#">GWL225-TC</a>	ISO 9001:2015	1/2/2024	<a href="#">SWL-ISO</a>

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.

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

\$\$ 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

\$\$\$ 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 SGR (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.