

**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 25.01.2024

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. Adani New Industries Limited (Formerly known as Mandra Windtech Limited), Adani Corporate House, Shantigram, SG Highway, Ahmedabad, Gujarat - 382 421 Ph: 079-25555013 Fax: 079-25557177 Email: milind.kulkarni@adani.com	24/06/2023	Adani Col	WZE Wind to Energy GmbH, Germany	MWL-160-5.2MW with rotor blade LM78.3P, hub height 120m	160	120	Tubular Tower	5200	IECRE Class S, IEC 61400-1 Edition 4.0 2019-02	No	11-09-2028	MWL160-5.2 TC	ISO 9001: 2015	30-11-2025	Adani ISO
2	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 EN-156/3.3 MW 50 Hz IEC S HH 140 WIND TURBINE	156	140.53	Tubular Steel	3300 (###)	IEC 61400-22:2010	Yes	04-07-2024	Envision EN-156 TC	ISO 9001: 2015	02-04-2024	Envision ISO
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 2.7 - 132	132	130 / 94	Tubular Steel	2730	IEC 61400-22:2010 and IEC 61400-1:2005 +AMD1:2010 IEC WT Class S	No	10-08-2028	GE 2.7-132TC	ISO 9001: 2015	05-03-2026	GE ISO
4	M/s. Suzlon Energy Limited Tree Lounges, L-1, Left wing, One Earth, Opp. Magarpata City Hadapsar Pune - 411028.	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	29-07-2025	S111 DFIG, 2.1MW TC	ISO 9001: 2015	20-02-2024	Suzlon ISO
5	Phone: 020-401250009 Fax : 020-67022200 email:rchandra@suzlon.com				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	18-10-2028	S120DFIG-TC			
6					S144-3.0 / 3.15 MW	144	105/140/160	HH 105m -Tubular Steel Tower, HH 140m-Hybrid Lattice Tower, HH 160m - Hybrid Lattice Tower	3000/3150	IEC S Class (IS/ IEC 61400-22) and IEC 61400-1:2005 +AMD1:2010)	Yes	26-06-2024	S144-PTC			
7					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	27-02-2027	S133_PTC			
8	M/s. Vestas Wind Technology India Private Limited Block B, 5th Floor, Tecci Park, Rajiv Gandhi Salai, Sholinganallur, 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-ZMW 50 Hz TC	ISO 9001: 2015	31-12-2024	Vestas ISO
9					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			

10					Vestas V155-3.6 MW	155	102.5/105/118/120/136/137	Conical Steel	3600	IS/IEC 61400-22:2010	No	01-12-2027	VestasV155TC			
11	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.mallik@inoxwind.com	09-04-2009	Inox Col	AMSC Austria GmbH, Austria	Wind Turbine Inox Wind DF/2000/113 Rotor Blade WBS52 2.0 Hub Heights 92m and 120m, GL WTC IIIA	113	92	HH 92 m - Tubular Steel	2000	GL 2010 GL Class III A	No	12-02-2027	DF2000-113 TC	ISO 9001:2015	26-06-2026	Inox ISO
12					Wind Turbine INOX DF:3000/145 3.0MW Power Booster Mode 3.3 MW Rotor Blade Type SR71 V2 (F- Bob), Hub Height 100 m IEC WT Class IIB	145	100	Tubular Steel Tower	3000*	IS/IEC 61400- 22:2010	Yes	11-03-2024	DF3000-145 TC			
13					Inox Wind DF/2000/100 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			
14	M/s. Servion Wind Technology Private Limited, B501, Delphi Building, Orchard Avenue, Sector No.3, Hiranandani Business Park, Hiranandani Garden, Powai, Mumbai-400076 Phone:022-7129700 Email: amit.kansal@servion.com	02-02-2017	Servion Col	RE Technologies GmbH, Germany	Servion 2.3M120- 2300kW Rotor Blade Type - LM58.7P and LM58.7P5 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	26-07-2027	Servion 2.3 M120	ISO 9001:2015	30-06-2024	Servion ISO
15					Servion 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	05-11-2024	Servion 2.3 M130			
16	M/s. Siva Wind Turbine India Private Limited, 12/A, Kandapalayam, 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	08-08-2026	Siva ISO
17					SIVA 225/40	30	50	4-Legged Lattice Steel tower	225	IS/IEC 61400-22- 2011	No	27-10-2026	Siva 225/40			
18	M/s. Siemens Gamesa Renewable Power Private Limited No-489, G.N.T. Road, Thandalkuzhuni, Nadageri PO, Rod hills, Chennai - 600052 Phone: 044 - 39242424 Fax: 044-30060661 email: navin.dewaj@siemensgamesa.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+AMD1:201 0)	No	22-07-2025	G114-2.0MW TC	ISO 9001:2015	13-07-2024	Gamesa ISO
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	SG3.4-145TC			
21					SG 3.4-145 (LM 71.0 P2)	145	127.5	Tubular Steel	3465	IECRE Class S, IEC 61400- 1/A1, 2010	No	01-12-2025	SG3.4-145P2TC			
22					SG 3.6-145	145	127.5	Tubular Steel	3600 (t) (t)	IECRE Class S, IEC 61400- 1/A1, 2010	No	01-12-2025	SG3.6-145TC			

23					SG 3.6-145 (LM 71.0 P2)	145	127.5	Tubular Steel	3600	IECRE Class S, IEC 61400-1(A1), 2010	No	01-12-2025	SG3.6-145P2TC			
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 Millenia, No. 1 & 2, Murphy Road, Uhoor, Bangalore - 560008 Phone: 080-4091660 Fax: 080-40916661 Email: pvital@nordex-online.com	26/09/2018	Nordex COI	Nordex Energy Spain S.A.U., Spain	AW125/3000 IEC Ib 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 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 tami@pioneerwincon.com	21/9/2018	PWES COI	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	29-01-2024	PW750TC	ISO 9001:2015	30-03-2025	PWES ISO
27					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	No	05-12-2024	PW750/57-TC			
28					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	04-02-2027	PW750-90m-TC			
29	Sany Wind Energy India Private Limited Plot No. E-4, Phase III, M.I.D.C. Chakan, Taluka Khed, Pune, Maharashtra -410501 Ph:02135 670201 Email: govind.bhagwatkar@sanygroup.com	24-11-2016	Sany COI	Yes	SI-16840	166.8	139	Tubular Steel Tower	4000		No	12-10-2028	SI-16840 TC	ISO 9001:2015	24-08-2026	SANY ISO
30	WEG Industries (India) Pvt Ltd Eshwari Arcade, No:250, 14th Main, 7th sector, HSR layout, Bengaluru, Karnataka - 560102 Ph: 080-4643 7450 fmozart@weg.net	10-04-2008	WEG COI	Yes	AGW 147/4.2	147	120	Tubular Steel Tower	4200	IIB, IECRE 61400-1:2019	No	01-11-2028	AGW147 TC	ISO 9001:2015	07-09-2024	WEG ISO
31	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@swpl.co.in	23-05-2006	SWL COI	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.

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

##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 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 geographical altitude of the erection site shall be maximum 2000m above sea level.

% 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

% 2250 kW (Enhanced performance mode) is not considered for RLMM and Max. altitude above sea level is 1000 m.

*3300 kW (Power Booster mode) is not considered for RLMM

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.