



राष्ट्रीय पवन ऊर्जा संस्थान
NATIONAL INSTITUTE OF WIND ENERGY
(पूर्व में “पवन ऊर्जा प्रौद्योगिकी केंद्र” Formerly “Centre for Wind Energy Technology”)
(नवीन और नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार Ministry of New and Renewable Energy,
Government of India)
Chennai - 600 100

Dated: 27.09.2016

Sub: Fourteenth List of Empanelment of Small Wind Turbines-Reg.

In accordance with the Modified Scheme for the programme on “Small Wind Energy and Hybrid System (SWES)” which was released by MNRE on 16.04.2010 & 15.01.2016 and the subsequent meeting with manufacturers, the manufacturers have consented to comply with necessary documentation requirement.

Based on the perusal of documentation, as required by the Modified Scheme, submitted by the Manufacturers for their individual models and subsequent signing of the test agreement with NIWE the below stated models are recommended for inclusion in the **XIVth List for the Empanelment of Small Wind Turbines.**

The Model wise summary is as follows:

Empanelled Small Wind Turbines

The models for which the manufacturers have submitted the Valid test reports from NIWE/ any other foreign/ Indian recognized laboratory along with the other stipulated criteria of the Modified Scheme are included in the following Table-1 and are recommended for Empanelment.

Table-1

Sl. No	Indian/ foreign manufacturer with address/ Indian Sales office with address	Models	Ref Power@≤ 11m/s (W)	Ref annual energy @5 m/s (KWh)	Type	Voltage config.	Foreign Collaborator	Valid type test report	Manufacturing base in India (Yes/ No)	Validity date
1 (i)	Spitzen Energy Solutions (India) Pvt. Ltd. 52-53, Aditya Shagun Mall, NDA-Pashan Road, Bavdhan, Pune-411 021 Ph No:020-66531923 Mobile :8888806395 Email: spitzenenergy@gmail.com	Passaat	845 @ 11 m/s	1810	Off-grid	48V DC	Fortis Wind Energy BV, The Netherlands	✓ From NIWE (Formerly C-WET)	Yes	01.04.2017

1 (ii)	Spitzen Energy Solution(India) Pvt. Ltd. 52-53, Aditya Shagun Mall, NDA-Pashan Road, Bavdhan, Pune-411 021 Ph No:020-66531923 Mobile :8888806395 Email: spitzenenergy@gmail.com	Montana	3100 @ 11 m/s	6634	Off-grid	48V DC	Fortis Wind Energy BV, The Netherlands	√ From NIWE (formerly C-WET)	Yes	01.04.2017
1 (iii)	Spitzen Energy Solution(India) Pvt. Ltd. 52-53, Aditya Shagun Mall, NDA-Pashan Road, Bavdhan, Pune-411 021 Ph No:020-66531923 Mobile :8888806395 Email: spitzenenergy@gmail.com	Montana	3310 @ 11 m/s	5939	Grid Tied		Fortis Wind Energy BV, The Netherlands	√ Intertek, Cortland, NY	Yes	01.10.2017
2.	Supernova Technologies Pvt. Ltd. Arvind House, C.S. no. 180/1, Quay Street, Next to Sewree Police Station at Reay Road (E), Darukhana, Mumbai-400 010 Ph No: (02692) 237037/237035 MobileNo: (O)9426030903, (O)9869227095 Email: sntgujarat@yahoo.co.in sntgujarat@gmail.com, milton1@vsnl.net	SNT 6	600 @ 11 m/s	819	Off-grid	48V DC	--	√ From NIWE (formerly C-WET)	Yes	01.04.2017
3. (i)	Unitron Energy System Pvt. Ltd., Plot No. 25, Sanjay Park, Airport Road, Pune-411 032 Tel: 020-26687006/26684399 Fax: 020-26687006/26684399 Email:	UE 33	2300 @ 11 m/s	4595	Off-grid	48V DC	--	√ From NIWE (formerly C-WET)	Yes	01.04.2017

	Unitronenergy@gmail.com unitron@pn3.vsnl.net.in									
3. (ii)	Unitron Energy System Pvt. Ltd., Plot No. 25, Sanjay Park, Airport Road, Pune-411032 Tel: 020-26687006/26684399 Fax: 020-26687006/26684399 Email: unitron@pn3.vsnl.net.in	UE 42 Plus	3800 @ 11m/s	6532	Off-grid	96V DC	--	√ From NIWE (formerly C-WET)	Yes	01.04.2017
4. (i)	WiSH Energy Solutions Private Limited (Formerly Luminous Renewable Energy Solutions Private Limited) Gat No. 1569/B, Off-Pune-Saswad Road, Vadki Village Pune – 412 308 Phone : 09902377853/ 020 65110456 Email Id: amol.shende@enzen.com	Whisper 200	570 @ 11 m/s	1063	Off-grid	48 V DC	-	√ from NIWE (formerly C-WET)	Yes	01.04.2017
4 (ii)	WiSH Energy Solutions Private Limited (Formerly Luminous Renewable Energy Solutions Private Limited) Gat No. 1569/B, Off-Pune-Saswad Road, Vadki Village Pune – 412 308 Phone : 09902377853/ 020 65110456 Email Id: amol.shende@enzen.com	Luminous Whisper 500	2000 @ 11 m/s	3673	Off-grid	48 V DC	--	√ from NIWE (formerly C-WET)	Yes	01.04.2017
4	WiSH Energy	WINDISTA	3200	4296	Off-	48 V DC	--	√	Yes	01.10.2018

(iii)	Solutions Private Limited (Formerly Luminous Renewable Energy Solutions Private Limited) Gat No. 1569/B, Off-Pune-Saswad Road, Vadki Village Pune – 412 308 Phone : 09902377853/ 020 65110456 Email Id: amol.shende@enzen.com	R 4500	@ 11 m/s		grid			from NIWE (formerly C-WET)		
5 (i)	XZERES Corp 9025 SW Hillman Court Suite 3126, Wilsonville OR 97070. USA Rep Office: B1/604 Plot No. 7 Sector 22, Dwarka, New Delhi 110 077. Contact Person : Alex Daniel (Director & Country Head) Contact No. : +91 9871223062 Email : adaniel@xzeres.com	Sky- stream 3.7	2100 @ 11 m/s	3416	Grid Tied	--	--	√ (From WINDTEST a GL Company Germany)	No	01.04.2017
5 (ii)	XZERES Corp 9025 SW Hillman Court Suite 3126, Wilsonville OR 97070. USA Rep Office: B1/604 Plot No. 7 Sector 22, Dwarka, New Delhi 110 077. Contact Person : Alex Daniel (Director & Country Head) Contact No. : +91 9871223062 Email : adaniel@xzeres.com	442SR	10400 @ 11 m/s	16700	Grid Tied	--	--	√ SWCC (Small Wind Certificat ion Council) certified	No	01.10.2017
6	Bergey WindPower Co. LLC, 220 Industrial Blvd., Norman, Oklahoma 73069, USA –SWT	Excel 10	8900 @ 11 m/s	13800	Grid Tied	--	--	√ SWCC (Small Wind Certificat ion	No	01.10.2017

	Indian Dealer: Hara Industries Pvt. Ltd., Plot 5A, IDA Phase I, Cherlapally, Hyderabad 500 051, India Contact Person: Sh. Srinivas Aluri, Director Contact No. 9246566273, Email: srinivas.aluri@hara industries.com							Council) certified		
7	Eveready Diversified Products (Pty) Ltd. Eveready Road, Strundale, Port Elizabeth, P.O. Box 3191, North End, Port Elizabeth – 6056; South Africa; Tel : +27 41 401 2562; +27 Email :leon.gouws@eveready.co.za Indian contact: Mr. Arijit Das, Indian Business Head, Eveready Diversified Products (Pty) Ltd (Kestrel Wind Turbines), Ph: 09007880402 Email:arijit.das@eveready.co.za	e400nb	2540 @ 11 m/s	3930	Grid Tied	--	--	v TUV SUD NEL Ltd	No	01.10.2017

General guidelines:

- (i) Empanelled Grid-Tied SWT machine must be strictly used only for Captive use.
- (ii) The SWT models Empanelled under Grid-Tied mode can be installed for Off-Grid applications also and vis-à-vis. However, while installing the Grid-Tied machine for Off-Grid application, the SWT manufacturer/ system integrator's/ SNA's/ customer's must ensure that the installation are being carried out as per MNRE SWES scheme/ guidelines.
- (iii) While installing the Empanelled Off-Grid/ Grid-Tied SWT model for Grid-Tied application (only for captive use), the SWT manufacturer/ system integrator's/ SNA's/ customers must ensure that the Inverter is compliant with CEA ratings and follows all the guidelines stipulated by the CEA/ CERC and other concerned state

Governments. The SNA's / other Govt. bodies shall insist for CEA rating certificates for the respective models.

The Empanelment status for these models will only be extended based on the submission of the following, two months in advance before the expiry of the validity date:

- a. Those SWT manufacturers/ models which got empanelled in the previous Empanelment list and must provide the details of the SWT installations done (verification address, GPS coordinates, etc.) after the previous Empanelment for each of their SWT models along with the attestation of their respective clients/ owners with dates not earlier than one month from the date of submission of application for renewal;
- b. Proof of valid ISO 9001 certificate based on the ISO standard then in Vogue;
- c. Those SWT manufacturers having a foreign collaborator must furnish current status of their agreement with complete details.
- d. Undertaking from the manufacturer that no deviation have been introduced in the design since the Empanelment of the SWT model; and
- e. Complete contact details of any three customers to enable NIWE to conduct a spot check of the SWT's performance and status of "as-installed condition at site".

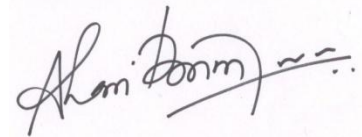
Disclaimer

The list has been prepared with the available documents / information provided for the designated models by the manufacturer during the period of review and with all possible care and rigor by the Committee for review of Empanelment appointed by the MNRE, Government of India. State Nodal Agencies, developer and any party refers the list shall verify complete type test reports of the models listed above, including ISO certificate (wherever applicable) for verification of the validity period for empanelled models, detailed specifications, power curve and all other relevant information. Nevertheless, NIWE/MNRE and their scientist and engineers are not responsible for any operation, consequences, including technical, commercial and legal implication that may arise due to the usage of the List by any party. The responsibility for the usage, verification of complete documents and consequences thereof lies entirely with the user. The list may be updated on a quarterly basis.

The list supersedes all previous list announced by MNRE/NIWE.

Note: The models whose validity had expired as per the interim 13th list of Empanelment may be deemed extended up to date of issue of the Interim 14th Empanelment List.

For National Institute of Wind Energy (NIWE)



**(Hari Bhaskaran.A)
Scientist 'C'
&**

Member Secretary, Committee for the Empanelment of Small Wind Turbines