

**Date:04.05.2016**

Sir,

**Sub: Interim - Thirteenth 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 Interim **XIII<sup>th</sup> List for the Empanelment of Small Wind Turbines.**

The Models 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 and are recommended for Empanelment.

Sl. No	Indian manufacturer with address	Models	Ref Power @≤11 m/s (W)	Ref annual energy @5 m/s (KWh)	Type	Voltage config.	Foreign Collaborator	Valid type test report	Validity date
1 (i)	<b>Spitzen Energy Solutions (India) Pvt. Ltd.</b> 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)	01.04.2017
1 (ii)	<b>Spitzen Energy Solution(India) Pvt. Ltd.</b> 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)	01.04.2017

2.	<b>Supernova Technologies Pvt. Ltd.</b> 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)	01.04.2017
3. (i)	<b>Unitron Energy System Pvt. Ltd.,</b> Plot No. 25, Sanjay Park, Airport Road, Pune-411 032 Tel: 020-26687006/26684399 Fax: 020-26687006/26684399 Email: Unitronenergy@gmail.com unitron@pn3.vsnl.net.in	UE 33	2300 @ 11 m/s	4595	Off-grid	48V DC	--	√ From NIWE (formerly C-WET)	01.04.2017
3. (ii)	<b>Unitron Energy System Pvt. Ltd.,</b> 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)	01.04.2017
4.	<b>E-hands Energy (I) Pvt Ltd</b> 3A, Vasisht Apartment, 3/1, New Beach Road, THiruvanmiyur – 600 041 Mobile No: 9840240518 / 9941458888 Email: ehands@gmail.com	e400i	1900 @ 11 m/s	2987	Off-grid	48V DC	Kestrel Renewable Energy, Port Elizabeth South Africa	√ From NIWE (formerly C-WET)	01.04.2017
5. (i)	<b>WISH Energy Solutions Private Limited (Formerly Luminous Renewable Energy Solutions Private Limited)</b>	Whisper 200	570 @ 11 m/s	1063	Off-grid	48 V DC	-	√ from NIWE (formerly C-WET)	01.04.2017

	Gat No. 1569/B, Off-Pune-Saswad Road, Vadki Village Pune – 412 308  Phone : 09902377853/ 020 65110456 Email Id: amol.shende@enzen.com								
5 (ii)	<b>WISH Energy Solutions Private Limited (Formerly Luminous Renewable Energy Solutions Private Limited)</b>  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)	01.04.2017

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:

- Those SWT manufacturers/ models which got empanelled in the previous Empanelment list and must provide the details of the SWT installations done 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;
- Proof of valid ISO 9001 certificate based on the ISO standard then in Vogue;
- Those SWT manufacturers having a foreign collaborator must furnish current status of their agreement with complete details.
- Undertaking from the manufacturer that no deviation have been introduced in the design since the Empanelment of the SWT model; and
- 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".

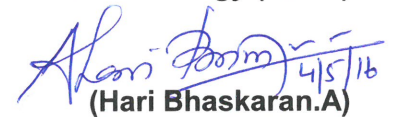
The list has been prepared with the available documents / information provided for the designated models by the manufacturer during the period of review and with all possible care and rigor by the Committee for review of Empanelment appointed by the MNRE, Government of India. State Nodal Agencies, developer 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 12<sup>th</sup> list of Empanelment may be deemed extended up to date of issue of the Interim 13<sup>th</sup> Empanelment List.*

**For National Institute of Wind Energy (NIWE)**



**(Hari Bhaskaran.A)**

**Scientist 'C'**

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**Member Secretary, Committee for the Empanelment of Small Wind Turbines**