

Minutes of “ Wind Zone Classification and Evaluation Committee” meeting held on dtd. 22/12/2016.

Subject:- Finalization of wind zone class of Wind Power projects developed by Following developer for their Investors:-

Meeting of “Wind Zone Classification and Evaluation Committee” held on **22/12/2016** at MEDA conference hall under chairmanship of Shri. U. M. Pande, Chairman and Sr. General Manager (Adm. & Pub.). Following Committee Members were present for the meeting:-

1	Shri. U. M. Pande	Sr. General Manager (Adm. & Pub.)	Chairman
2	Shri. Purushottam Jadhav	General Manager (Co-ord.)	Member
3	Shri. M. A. Pise	General Manager ((PG-I/IDD)	Member
4	Shri. S. V. Gore	Assistant Director (Finance)	Member
5	Shri. S. R. Patil	Manager (IDD)	Member Secretary

Manager (ID) presented the information, site verification report related to the following proposals before Committee:-

- **Developer:- M/s. Ratnagiri Wind Power Projects Private Limited**
 - Site:- Palshi Tal. Patan Dist. Satara (Vetted by NIWE for MEDA).
 - Investor:- M/s.Ratnagiri Wind Power Projects Pvt Ltd Karad:- 11.20 MW (7x1600 KW)

- **Developer:- Developer:- M/s Si Maruti Wind Park Developers**
 - Site:- Bhendwade, Tal. Shahuwadi, Dist. Kolhapur (Vetted by NIWE for MEDA).
 - Investor:- M/s.Velani Oils Pvt. Ltd., New Delhi :- 0.85 MW (1x850 KW)

- **Developer:- M/s. Bothe Windfarm Development Pvt. Ltd, Mumbai**
 - Site:- Bothe-3, Tal. Maan, Dist. Satara (Vetted by NIWE for M/s Vestas Wind Technology (P) Ltd, Chennai).
 - Site:- Sripalwan, Tal. Maan, Dist. Satara (Vetted by NIWE for M/s Vestas Wind Technology (P) Ltd, Chennai).
 - Investor:- M/s.Bothe Windfarm Development Pvt. Ltd.Mumbai :- **44.10 MW (21x2100KW)**. The project is commissioned during the financial year 2014-15.

- **Developer:- M/s. Sri Maruti Wind Park Developers**
 - Site:- Vaspeth, Tal. Jath & dist. Sangli (Vetted by NIWE Chennai for MEDA).
 - Investor:- M/s. NuPower Renewables Pvt. Ltd:- 26.65 MW (13x2050KW). The project is commissioned during the financial year 2015-16.

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➤ Developer:- M/s. Ratnagiri Wind Power Projects Private Limited.

- Site:- Palshi Tal. Patan Dist. Satara (Vetted by NIWE for MEDA).
- Investor:- M/s.Ratnagiri Wind Power Projects Pvt Ltd Karad:- 11.20 MW (7x1600 KW)
- The project is commissioned during the financial year 2015 -16.
- As per site visit on 24/11/2016 of Shri. R. A. Karandikar, Technician, Girye the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Location No.	MEDA WTG No.	WTG Cap. MW	WTG Latitude (N)			WTG Longitude (E)			WTG Elev. MASL in mtrs.	Ref. Mast Elev. MASL in mtrs.	Forest Comp/Survey / Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. betw n. Ref. wind mast and WTG Elev. (Mtr.)	Remark
					Deg	Min	Sec	Deg	Min	Sec					Pvt. Mast	NIWE/MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14=(8-9)	15
					Deg	Min	Sec	Deg	Min	Sec						Palshi		
1		T-42	4473	1.6	17	16	74.0	73	48	23.0	953	986	48	Kahir / Patan /Satara	NA	4.39	-33	Within (+/-) 60 m elev. difference
2		T-43	4395	1.6	17	16	49.9	73	48	29.3	959	986	55/1	Kahir / Patan /Satara		4.27	-27	Within (+/-) 60 m elev. difference
3		T-47	4394	1.6	17	16	13.6	73	48	95.1	953	986	68	Kahir / Patan /Satara		3.2	-33	Within (+/-) 60 m elev. difference
4		T-52	4393	1.6	17	15	93.2	73	49	73.8	975	986	102	Palshi/ Patan /Satara		2.07	-11	Within (+/-) 60 m elev. difference
5		T-59	4470	1.6	17	18	45.0	73	52	18.2	873	986	481	Natoshi / Patan /Satara		4.37	-113	Above 60 m elev. difference
6		T-60	4471	1.6	17	18	65.3	73	52	25.8	858	986	481	Natoshi Patan /Satara		4.76	-128	Above 60 m elev. difference
7		T-61	4472	1.6	17	16	13.0	73	49	94.1	1008	986	107	Palshi/ Patan /Satara		1.57	22	Within (+/-) 60 m elev. difference

Committee's observations:-

- Nearest reference Wind Mast for the above mentioned wind power project is at location -Palshi, Tal.Patan & Dist. Satara (Latitude- N 17° 16' 9.8" Longitude- E 73° 49' 48.8" Elev.- 1008 m amsl) having WPD- 203.0 watt/m2 @ 50 m AGL declared by NIWE Chennai.

- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred nearest wind mast and overall 100% WTG location coordinates of wind power project are **within (+/-) 60 m** elevation difference of referred nearest reference wind mast.

Suggestions:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the said proposal with respect to above points and committee suggested to issue the wind zone - I letter to M/s. Ratnagiri Wind Power Projects Private Limited, for their 11.20 MW (7X1600 KW) capacity wind power project as per above list.

Minutes of Hearing: Shri K. Prasad from M/s. Ratnagiri Wind Power Projects Private Limited was present in the hearing. No objection raised by them and by other representative of developers present for the hearing.

Committee's Recommendations:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the said proposal with respect to above points and committee recommended to issue the **wind zone - I** letter to M/s. Ratnagiri Wind Power Projects Pvt Ltd Karad for their **11.20 MW (7X1600 KW)** capacity wind power project.

➤ **Developer:- Developer:- M/s Si Maruti Wind Park Developers**

- Site:- Bhendwade, Tal. Shahuwadi, Dist. Kolhapur (Vetted by NIWE for MEDA).
- Investor:- M/s.Velani Oils Pvt. Ltd., New Delhi :- 0.85 MW (1x850 KW)
- The project is commissioned during the financial year 2015-16.
- As per site visit on 01/12/2016 of Shri. R. A. Karandikar, Technician, Girye the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Location No.	MEDA WTG No.	WTG Cap. MW	WTG Latitude (N)			WTG Longitude (E)			WTG Elev. MASL in mtrs.	Ref. Mast Elev. MASL in mtrs.	Forest Comp/Survey / Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. betwn. Ref. wind mast and WTG Elev. (Mtr.)	Remark	
					Deg	Min	Sec	Deg	Min	Sec					Pvt. Mast	NIWE/MEDA Mast			
1	2	3	4	5	6	7	8	9	10	11	12	13	14=	15					
					Deg	Min	Sec	Deg	Min	Sec									
1		GAL 25	4430	0.85	16	58	52.6	73	54	51.7	807	811	220/A	Karungale /Shahuwadi /Kolhapur	NA	2.29	-4	Within (+/-) 60 m elev. difference	

Committee's observations:-

- Nearest reference Wind Mast for the above mentioned wind power project is at location - Bhendwade Tal. Shahuwadi Dist. Kolhapur (Latitude- N 17° 01' 97.3" Longitude- E 73° 52' 89.5" Elev.- 812 m amsl) having **WPD- 223.0 watt/m² @ 50 m AGL declared by NIWE Chennai.**
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred nearest wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred nearest reference wind mast.

Suggestion:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the said proposal with respect to above points and committee suggested to issue the **wind zone - I** letter to M/s.Velani Oils Pvt. Ltd., New Delhi for their 0.85 MW (1x850 KW)capacity wind power project.

Minutes of Hearing: Shri Amit Pednekar from M/s Gamesa Renewable Pvt. Ltd. was present in the hearing. No objection raised by them and by other representative of developers present for the hearing.

Committee's Recommendations:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the said proposal with respect to above points and committee recommended to issue the **wind zone - I** letter to M/s.Velani Oils Pvt. Ltd., New Delhi for their 0.85 MW (1x850 KW)capacity wind power project.

➤ **Developer:- M/s. Bothe Windfarm Development Pvt. Ltd, Mumbai**

- Site:- Bothe-3, Tal. Maan, Dist. Satara (Vetted by NIWE for M/s Vestas Wind Technology (P) Ltd, Chennai).
- Site:- Sripalwan, Tal. Maan, Dist. Satara (Vetted by NIWE for M/s Vestas Wind Technology (P) Ltd, Chennai).
- Investor:- M/s.Bothe Windfarm Development Pvt. Ltd.Mumbai :- **44.10 MW (21x2100KW)**. The project is commissioned during the financial year 2014-15.

M/s.Bothe Windfarm Development Pvt. Ltd. vide their letter dtd. 9.11.2016 has proposed following Amendment for **44.10 MW (21x2100KW)** Wind Power Project into Wind Zone class.

S.N.	WTG Location	MEDA WTG No.	WTG Cap.	Forest Comp/Survey/Gut No.	Amended Forest Comp/Survey/Gut No.
1	I-28	1027	2.1	184/186	184, 185
2	SP-22	Not given	2.1	191	202

Committee's observations:-

- In view of developers written submission, Committee has reviewed the submission made by the developer undertaking in both the cases. It is observed that the Gut no. of WTG SP-22 mentioned in the application was incorrect. There is typographic mistake in Gut no. of WTG no. I-28. The Developer/Investor has not brought into notice the mistake in Gut no. during the hearing dtd. 18.8.16 & 19.8.16 of the case.

Suggestion:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the said proposal with respect to above points and committee suggested to issue the **wind zone - I** letter to M/s.Bothe Windfarm Development Pvt. Ltd. Mumbai for their **44.10 MW (21x2100KW)** capacity wind power project with appropriate correction as above.

Minutes of Hearing: Shri Santosh khaimode from M/s.Bothe Windfarm Development Pvt. Ltd. Mumbai was present in the hearing & request to amend as per submission. No objection raised by other representative of developers present for the hearing.

Committee's Recommendations:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the below proposal. In view of written submission by developers for amendment as blow, committee recommended to issue the **wind zone - I** letter to M/s.Bothe Windfarm Development Pvt. Ltd. Mumbai for their **44.10 MW (21x2100KW)** capacity wind power project.

➤ **Developer:- M/s. Sri Maruti Wind Park Developers**

- Site:- Vaspeth, Tal. Jath & dist. Sangli (Vetted by NIWE Chennai for MEDA).
- Investor:- M/s. NuPower Renewables Pvt. Ltd:- 26.65 MW (13x2050KW). The project is commissioned during the financial year 2015-16.

As per written submission by developers the following Amendment proposed in Classification 26.65 MW (13x2050KW) Wind Power Project into Wind Zone class.

S.N.	WTG Location	MEDA WTG No.	WTG Cap.	Forest Comp/Survey/Gut No.	Amended Forest Comp/Survey/Gut No.
1	VH34	4399	2.05	590	592

Committee's observations:-

- There is typographic mistake in Gut No. Committee verified the Gut No. in undertaking of company. The Developer/Investor has not brought into notice the mistake in Gut no. during the hearing dtd. 18.8.16 & 19.8.16 of the case.

Suggestion:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the said proposal with respect to above points and committee suggested to issue the **amendment** letter to M/s. NuPower Renewables Pvt. Ltd for their 26.65 MW (13x2050KW) capacity wind power project.

Minutes of Hearing: Shri Kausthub Karne from M/s. Sri Maruti Wind Park Developers was present in the hearing & request to amend as per submission. No objection raised by other representative of developers present for the hearing.

Committee's Recommendations:- As per the procedure for classification of wind power projects into wind zone class, committee discussed and evaluated the below proposal. In view of written submission by developers for amendment as blow, committee recommended to issue the amendment letter to M/s. NuPower Renewables Pvt. Ltd for their 26.65 MW (13x2050KW) capacity wind power project.

Meeting ended with vote of thanks.