

**Observations and Suggestions  
of  
“ Wind Zone Classification and Evaluation Committee”**

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

- Site:- Bhendwade, Tal. Shahuwadi, Dist. Kolhapur (Vetted by NIWE Chennai for MEDA).
- Investor:- M/s.S.Kumar, Rajkot:- 0.85 MW (1x850KW).The project is commissioned during the financial year 2014-15.
- As per site visit on dtd. 30/5/2016 Bhendwade of Shri. Vijay Pawaskar(Technician), Girye the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Location No.	MED A 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
				MW							MASL in m.		Gut No.		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						Bhendwad e		
1	D-8	GAL-29	4315	0.850	16	58	36.6	73	55	4.68	794	858	217	Karungale/ Shahuwadi/ Kolhapur		2.33	-64	Above(+/-) 60 m elev. difference

**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** (as per site visit report **N 16° 58' 53.60"** Longitude- **E 73° 54' 50.10"** Elev.- **858 m amsl**) having **WPD- 223.0 watt/m<sup>2</sup> @ 50 m AGL** declared by NIWE Chennai for MEDA.
  - As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **Above (+/-) 60 m** elevation difference of referred 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 a letter to *M/s.S.Kumar, Rajkot* to obtain project specific wind power density report from NIWE for their **0.85MW (1x850 kW)** capacity wind power project.

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

- Site:- Bhendwade, Tal. Shahuwadi, Dist. Kolhapur (Vetted by NIWE Chennai for MEDA).
- Investor:- M/s. Sri Vijayeebhava Enterprises Pvt. Ltd:- 0.85 MW (1x850KW).The project is commissioned during the financial year 2015-16.

- As per site visit on dtd. 30/5/2016 Bhendwade of Shri. Vijay Pawaskar (Technician),  
Girye the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Location No.	MED A WTG No.	WTG Cap. MW	WTG Latitude (N)			WTG Longitude (E)			WTG Elev. MASL in mtrs.	Ref. Mast Elev. MASL in mtrs.	Fore st Com p/Survey/ Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. betw n. Ref. wind mast and WTG Elev. (Mtr.)	Remark
				MW							MASL in m.		Gut No.		Pvt. Mast	NIWE/ MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
1	D-18	GAL-28	5135	0.850	Deg	Min	Sec	Deg	Min	Sec	800	858	221	Karangule/ Shahuwadi/ Kolhapur		2.04	-58	Within (+/-) 60 m elev. difference

**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** (as per site visit report **N 16° 58' 53.60"** Longitude- **E 73° 54' 50.10"** Elev.- **858 m amsl**)) having **WPD- 223.0 watt/m<sup>2</sup> @ 50 m AGL** declared by NIWE Chennai for MEDA.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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.Sri Vijayeebhava Enterprises Pvt. Ltd* for their **0.85MW (1x850KW)** capacity wind power project.

➤ **Developer:- M/s. Sri Maruti Wind Park Developers.(M/s Gamesa Wind Turbines Pvt Ltd.)**

- Site:- Bhendwade, Tal. Shahuwadi, Dist. Kolhapur (Vetted by NIWE Chennai for MEDA).
- Investor:- M/s. Interocean Shipping Company, New Delhi:- 0.85 MW (1x850KW).The project is commissioned during the financial year 2014-15.
- As per site visit on dtd. 30/5/2016 Bhendwade of Shri. Vijay Pawaskar(Technician),  
Girye the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Location No.	MED A WTG No.	WTG Cap. MW	WTG Latitude (N)			WTG Longitude (E)			WTG Elev. MAS L in mtrs.	Ref. Mast Elev. MASL in mtrs.	Fore st Com p/Survey/ Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. betw n. Ref. wind mast and WTG Elev. (Mtr.)	Remark
				MW							MAS L in m.		Gut No.		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						Bhendwad e		

1	E-8	GAL-16	4316	0.850	16	59	32.5	73	55	43.35	836	858	190	Altur		0.33	-22	Within(+/-) 60 m elev. difference
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#### 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** (as per site visit report **N 16° 58' 53.60"** Longitude- **E 73° 54' 50.10"** Elev.- **858 m amsl**)) having **WPD- 223.0 watt/m<sup>2</sup> @ 50 m AGL** declared by NIWE Chennai for MEDA.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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. Interocen Shipping Company* for their **0.85MW (1x850KW)** capacity wind power project.

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

- Site:- Jadhavwadi, Tal. Khanapur, Dist. Sangli, (Vetted by NIWE for M/s ReGen Powertech Pvt Ltd, Chennai).
- Investor:- M/s.Clean Wind Power Pvt Ltd:- 2.00 MW (1x2000KW).The project is commissioned during the financial year 2015-16.
- As per site visit on Jadhavwadi of Shri.Vijay Pawaskar, Technician, Girye MEDA 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. MAS L in	Ref. Mast Elev. MAS L in	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
				MW							MAS L in m	m.	Gut No.		Pvt. Mast	NIWE/ MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec					Jadhav wadi			
1	C-457	HC-11	4380	2.00	17	14	52.7	74	40	17.4	877	860	48	Kacharewadi/ Tasgaon/Sang li	6.00		17	Within(+/-) 60 m elev. difference

#### observations:-

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Jadhavwadi, Tal. Khanapur, District - Sangli (Latitude- **N 17° 18' 02.2"** Longitude- **E 74° 41' 10.7"** Elev.- **860 m amsl**) having **WPD- 184.96 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for *M/s. ReGen Powertech Pvt. Ltd, Chennai* their Report on Verification of Procedure of Wind Monitoring at Jadhavwadi, Sangli vide no. C-WET/WRA/141/2012-13 dtd. 24/9/2013.

- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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.Clean Wind Power Pvt Ltd* for their **2.00MW (1x2000KW)**. capacity wind power project.
- **Developer:- M/s. Sri Maruti Wind Park Developers.**
  - Site:- Jadhavwadi, Tal. Khanapur, Dist. Sangli, (Vetted by NIWE for M/s ReGen Powertech Pvt Ltd, Chennai).
  - Investor:- M/s.Orange Maha Wind Energy Pvt Ltd, New Delhi:- 24.00 MW (12x2000KW).The project is commissioned during the financial year 2015-16.
  - As per site visit on dtd. 3/6/2016 Jadhavwadi of Shri.Vijay Pawaskar, Technician, Girye MEDA the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Locati on No.	MEDA WTG No.	WTG Cap. MW	WTG Latitude (N)			WTG Longitude (E)			WTG Elev. MAS L in	Ref. Mast Elev. MAS L in	Fores t Com p/ Surve y/ Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. betwn. Ref. wind mast and WTG Elev. (Mtr.)	Remar k
				MW							MAS L in m	m.	Gut No.		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					Jadhavw adi			
1	C-466	Ben-5	4341	2.00	17	15	39.3	74	46	7.2	822	860	457	Benapur/ Khanapur/ Sangli	9.71		-38	Within( +/-) 60 m elev. differen ce
2	C-466	Ben-4	4340	2.00	17	15	29.6	74	45	30.8	830	860	459	Benapur/ Khanapur/ Sangli	8.9		-30	
3	C-465	Ben-1	4337	2.00	17	15	57.9	74	45	5.6	826	860	362	Benapur/ Khanapur/ Sangli	7.9		-34	
4	C-462	Ben-3	4339	2.00	17	15	52.6	74	45	20.3	834	860	418	Benapur/ Khanapur/ Sangli	8.3		-26	
5	C-464	Ben-2	4338	2.00	17	15	38.9	74	45	21.7	823	860	431	Benapur/ Khanapur/ Sangli	8.6		-37	
6	C-463	UN-2	4361	2.00	17	15	54.5	74	45	50.4	815	860	427	Benapur/ Khanapur/ Sangli	9.0/10.24		-45	
7	C-458	G-308	4342	2.00	17	16	51.4	74	41	31.1	895	860	308	Jadhavwadi/ Khanapur/ Sangli	2.2		35	
8	C-459	K-13	4345	2.00	17	14	47.5	74	41	54.2	896	860	536	Khanapur/ Sangli	6.1		36	
9	C-461	UN-54	4359	2.00	17	14	37.9	74	41	46.2	896	860	496	Posewadi/ Khanapur/ Sangli	6.3		36	
10	C-460	K-14	4357	2.00	17	14	37.6	74	41	21.3	880	860	530	Posewadi/ Khanapur/ Sangli	6.2		20	
11	F-7	HC-09	4343	2.00	17	14	27.1	74	39	41.2	869	860	187	Kacherewadi/ Tasgaon/ Sangli	7.1		09	
12	C-447	UN-55	4358	2.00	17	14	19.3	74	39	51.9	860	860	238	Kacherewad Tasgaoni/ Sangli	7.21		00	

**observations:-**

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.

- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Jadhavwadi, Tal. Khanapur, District - Sangli (Latitude- N 17° 18' 02.2" Longitude- E 74° 41' 10.7" Elev.- 860 m amsl) having **WPD- 184.96 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for M/s. ReGen Powertech Pvt. Ltd, Chennai their Report on Verification of Procedure of Wind Monitoring at Jadhavwadi, Sangli vide no. C-WET/WRA/141/2012-13 dtd. 24/9/2013.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred wind mast.
- Distance of WTG-UN-2 is @ 10.24 km from 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 letter to M/s.Orange Maha Wind Energy Pvt Ltd, New Delhi to obtain project specific WPD report from NIWE for their **24.00MW (12x2000KW)**. capacity wind power project.

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

- Site:- Sanmadi, Tal. Jath, Dist. Sangli (Vetted by NIWE Chennai for MEDA).
- Investor:- M/s.NSL Wind Power Company Pvt Ltd:- 12.00MW (8x1500KW).The project is commissioned during the financial year 2015-16.
- As per site visit on dtd. 2/6/2016 Sanmadi of Shri. Vijay Pawaskar (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. MAS L in mtrs.	Ref. Mast Elev. MAS L in mtrs.	Forest Comp/Survey/Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. between Ref. wind mast and WTG Elev. (Mtr.)	Remark
				MW							MAS L in m.		Gut No.		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						Sanmadi /Jath/ Sangli		
1	C-439	NSLP1-407	3934	1500	17	8	53.2	75	14	37.8	666	650	407	Wayphal/ Jath/ Sangli		8.7	16	Within(+/-) 60 m elev. difference
2	C-442	NSLP1-216	4215	1500	17	8	55.3	75	16	3.8	653	650	216	Wayphal Jath/ Sangli		6.2	03	
3	C-441	NSLP1-252A	4359	1500	17	7	5.9	75	14	8.6	674	650	252	Benali Jath/ Sangli		9.7	24	
4	C-441	NSLP1-252B	4216	1500	17	7	17.3	75	14	6.2	670	650	252	Benali Jath/ Sangli		9.7	20	
5	C-440	NSLP1-236	4214	1500	17	8	14.9	75	15	2.8	674	650	236	Wayphal Jath/ Sangli		7.8	24	
6	C-438	NSLP1-169A	4092	1500	17	9	4.6	75	14	2.4	656	650	169	Benali Jath/ Sangli		9.7	06	
7	C-438	NSLP1-169	4091	1500	17	8	54.8	75	14	3.5	660	650	169	Benali Jath/ Sangli		9.7	10	
8	E-15	NSLP1-172	4364	1500	17	4	17.5	75	17	16.7	708	650	171 & 172	Valsang Jath/ Sangli		8.3	58	

#### observations:-

- Nearest reference Wind Mast for the above mentioned wind power project is at location . Sanmadi, Tal Jath & Dist. Sangli (Latitude- **N 17° 08' 15.7"** Longitude- **E 75° 19' 36.3"** Elev.- **650 m amsl**) having **WPD- 200.46 watt/m<sup>2</sup> @ 50 m AGL** declared by NIWE Chennai.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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.NSL Wind Power Company Pvt Ltd* for their **12.00MW (8x1500KW)** capacity wind power project.
- **Developer:- M/s. Acorn Properties Pvt Ltd.(M/s Kenersys (India) Pvt Ltd., Pune)**
  - **Site:-** Girijashankarwadi, Tal. Khatav, Dist. Satara (Vetted by NIWE for M/s Kenersys India Pvt Ltd, Pune).
  - **Investor:-** M/s.Tata Power Renewable Energy Limited, Mumbai:- 6.00 MW (3x2000KW) The project is commissioned during the financial year 2014-15.
  - As per site visit on dtd. 2/6/2016 Girijashankarwadi of Shri. R.A. Karndikar, Technician, Girye MEDA 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	Ref. Mast Elev. MASL in	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
				M W							MASL in m	m.	Gut No.		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	De g	Min	Sec					Girija Shank ar wadi			
1	G-11	GSW-13		2.0	17	28	3.4	74	14	2.7	947	892	599, 600, 604, 605	Girijashankar wadi/Khatav/ Satara	3.56		55	Within (+/-) 60 m elev. difference
2	G-11	GSW-18		2.0	17	27	32.2	74	14	1.6	951	892	1783/ 3	Rajachekurle/ Khatav/ Satara	2.80		59	Within (+/-) 60 m elev. difference
3	G-11	GSW-20		2.0	17	27	50.9	74	14	9.4	971	892	564	Girijashankar wadi/Khatav/ Satara	3.15		79	Above (+/-) 60 m elev. difference

#### observations:-

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Girijashankarwadi, Tal. Khatav, District - Satara (Latitude- **N 17° 26' 22.00"** Longitude- **E 74° 15' 2.40"** Elev.- **892 m amsl**) having **WPD- 237.27 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for *M/s Kenersys India Pvt Ltd, Pune* their Report on

Verification of Procedure of Wind Monitoring at Girijashankarwadi, Satara. Report vide letter C-WET/WRA/004/2010-11 dtd. 7/2/2014. for M/s. Kenersys India Pvt. Ltd. WTG Manufacturer

- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall more than 50% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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 letter to *M/s. Tata Power Renewable Energy Limited, Mumbai to obtain project specific WPD for their 6.00MW (3x2000KW).* capacity wind power project.

➤ **Developer:- M/s. Acorn Properties Pvt Ltd.**

- Site:- Girijashankarwadi, Tal. Khatav, Dist. Satara (Vetted by NIWE for M/s Kenersys India Pvt Ltd, Pune).
- Investor:- M/s Giriraj Enterprises, Ahmednagar:-9.60MW (4x2400KW) The project is commissioned during the financial year 2014-15.
- As per site visit on dtd. 2/6/2016 Girijashankarwadi of Shri. R.A. Karndikar, Technician, Girje MEDA 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	Ref. Mast Elev. MASL in	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
				MW							MASL in m	m.	Gut No.		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					Girja Shankar wadi			
1	D-6	GSW-25	Satara/Girijashankarwadi/Kenersys MW/D/20/14-15/4274	2.400	17	27	14.8	74	14	44	899	892	1769	Rajachekurle/ Khatav/ Satara	1.705		7	Within (+/-) 60 m elev. difference
2	D-6	GSW-26	Satara/Girijashankarwadi/Kenersys/2.4MW/D/20/14-15/4275	2.400	17	27	5.3	74	14	48.9	896	892	1760	Rajachekurle/ Khatav/ Satara	1.378		4	Within (+/-) 60 m elev. difference
3	D-6	GSW-29	Satara/Girijashankarwadi/Kenersys/2.4MW/D/20/14-15/4278	2.400	17	26	35.0	74	15	0.0	878	892	1753	Rajachekurle/ Khatav/ Satara	0.043		-14	Within (+/-) 60 m elev. difference
4	D-7	GSW-30	Satara/Girijashankarwadi/Kenersys/2.4MW/D/20/14-15/4271	2.400	17	26	22.0	74	15	3.2	891	892	1556 B	Rajachekurle/ Khatav/ Satara	0.014		-1	Within (+/-) 60 m elev. difference

**observations:-**

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Girijashankarwadi, Tal. Khatav, District - Satara (Latitude- N 17° 26' 22.0" Longitude- E 74° 15' 2.4" Elev.- 892 m amsl) having **WPD- 237.27 W/m<sup>2</sup> @ 50 m**

**AGL** vetted by NIWE Chennai for *M/s Kenersys India Pvt Ltd, Pune* their Report on Verification of Procedure of Wind Monitoring at Girijashankarwadi, Satara. vide letter C-WET/WRA/004/2010-11 dtd. 7/2/2014.for M/s. Kenersys India Pvt. Ltd. WTG Manufacturer

- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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 Giriraj Enterprises* for their **9.60MW (4x2400KW)**. capacity wind power project.

➤ **Developer:- M/s. Acorn Properties Pvt Ltd.(M/s Tata Power Renewable Energy Ltd)**

- Site:- Girijashankarwadi, Tal. Khatav, Dist. Satara (Vetted by NIWE for M/s Kenersys India Pvt Ltd, Pune).
- Investor:-M/s Tata Power Renewable Energy Ltd :-2.0MW (1x2000KW).The project is commissioned during the financial year 2014-15.
- As per site visit on dtd. 2/6/2016 Girijashankarwadi of Shri. R.A. Karndikar, Technician, Girye MEDA 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	Ref. Mast Elev. MASL in	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
				MW							MASL in m	m.	Gut No.		Pvt. Mast	NIW E/ MED A Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					Deg	Min	Sec	Deg	Min	Sec					Girija Shankar wadi			
1	C-409	GSW-19	Satara/Girijashankarwadi/Kener MW/D/20/14 5/4026	2.00	17	27	36.4	74	13	39.1	956	892	582	Girijashankar wadi/Khatav/ Satara	3.370		64	Above (+/-) 60 m elev. difference

**observations:-**

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Girijashankarwadi, Tal. Khatav, District - Satara (Latitude- **N 17° 26' 22.0"** Longitude- **E 74° 15' 2.4"** Elev.- **892 m amsl**) having **WPD- 237.27 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for *M/s Kenersys India Pvt Ltd, Pune* their Report on Verification of Procedure of Wind Monitoring at Girijashankarwadi, Satara. vide letter C-WET/WRA/004/2010-11 dtd. 7/2/2014.for M/s. Kenersys India Pvt. Ltd. WTG Manufacturer



- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **Above (+/-) 60 m** elevation difference of referred 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 letter to *M/s Tata Power Renewable Energy Ltd* to obtain project specific WPD for their **2.00MW (1x2000KW)** capacity wind power project.

➤ **Developer:- M/s Suzlon Energy Ltd, Pune**

- Site:- Sadawaghapur, Tal. Patan, Dist. Satara (Vetted by NIWE for M/s. Suzlon Energy Ltd, Pune ).
- Investor:- M/s. Arvind Dyeing & Bleaching Mills Pvt Ltd:- 1.25 MW (01x1250 KW). The project is commissioned during the financial year 2010-11.
- As per site visit on dtd. 4/6/2016 Sadawaghapur of Shri. R.A.Karandikar, Technician, Girye, MEDA 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. MAS L in mtrs.	Ref. Mast Elev. MAS L in mtrs.	Forest Comp/ Survey/ Gut No.	Village Taluka District	Distance from Ref. wind mast in km		Diff. between Ref. wind mast and WTG Elev. (Mtr.)	Remark
				MW							MAS L in m.		Gut No.		Pvt. Mast	NIWE/ MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec					Sadawaghapur			
1		S99	2674	1.250	17	29	59	73	53	18.8	1123	1074	46 (640) Forest	Sadawaghapur/Patan/Satara	9.00		49	Within(+/-) 60 m elev. difference

**observations:-**

- Nearest reference Wind Mast for the above mentioned wind power project is at location . Sadawaghapur, Tal Patan & Dist.Satara (Latitude- **N 17° 27' 45.8"** Longitude- **E 73° 54' 34.9"** Elev.- **1112 m amsl**) having **WPD- 213.46 watt/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for M/s. Suzlon Energy Ltd vide their letter no.C-WET/WRA/064/2008-2009 dated 26.03.2009

- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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 Arvind Dyeing & Bleaching Mills Pvt Ltd* for their **1.25MW (1x1250KW)** capacity wind power project.

➤ **Developer:- M/s. Ratnagiri Wind Power Projects Pvt. Ltd**

- Site:- Palshi, Tal. Patan, Dist. Satara (Vetted by NIWE Chennai).

- Investor:- M/s.Ratnagiri Wind Power Projects Pvt Ltd :- 20.8 MW (13x1600KW). The project is commissioned during the financial year 2014-15
- As per site visit on dtd. 5/6/2016 Palshi of Shri. R.A. Karndikar (Technician), Girye the WTG location wise observations are as below:-

Sr. No.	Final file no.	WTG Location No.	MED A 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
				MW							MASL in m.		Gut No.		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	Palshi		
1	C-392	53	4265	1.6	17	16	73.7	73	50	50.5	950	986	46/1	Gokul	0.479		-36/-58	
2	C-391	54	4240	1.6	17	16	93.0	73	50	72.2	955	986	45/1	Gokul	0.683		-31/-53	Within (+/-) 60 m elev. difference
3	C-391	55	4241	1.6	17	17	5.4	73	50	97.0	963	986	44/1	Gokul	1.030		-23/-45	Within (+/-) 60 m elev. difference
4	C-392	56	4264	1.6	17	17	31.5	73	51	4.5	932	986	42/1	Gokul	1.520		-54/-76	Within (+/-) 60 m elev. difference
5	C-391	57	4253	1.6	17	17	25.2	73	51	34.1	963	986	43/5	Gokul	1.710		-23/-45	Within (+/-) 60 m elev. difference
6	C-391	58	4234	1.6	17	17	27.6	73	52	8.7	977	986	464	Salve	2.790		-9/-31	Within (+/-) 60 m elev. difference
7	C-392	44	4263	1.6	17	16	35.2	73	48	37.9	955	986	56	Kahir	4.130		-31/-53	Within (+/-) 60 m elev. difference
8	C-391	45	4236	1.6	17	16	7.9	73	48	46.9	979	986	58	Kahir	4.050		-7/-29	Within (+/-) 60 m elev. difference
9	C-391	46	4235	1.6	17	16	1.6	73	48	31.8	1010	986	58	Kahir	4.340		24/2	Within (+/-) 60 m elev. difference
10	C-393	49	4238	1.6	17	15	81.6	73	48	83.6	985	986	69	Kahir	3.580		-1/-23	Within (+/-) 60 m elev. difference
11	C-393	48	4237	1.6	17	15	96.2	73	48	96.3	984	986	69	Kahir	3.270		-2/-24	Within (+/-) 60 m elev. difference
12	C-393	50	4254	1.6	17	16	49.9	73	49	30.4	943	986	76	Kahir	2.480		-43/-65	Within (+/-) 60 m elev. difference
13	C-391	51	4239	1.6	17	16	23.6	73	49	41.6	980	986	75/1	Kahir	2.350		-6/-28	Within (+/-) 60 m elev. difference

**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/m<sup>2</sup> @ 50 m AGL** declared by NIWE Chennai.
- Nearest reference Wind Mast for the above mentioned wind power project is at location . Pachgani (nag), Tal & Dist. Satara (Latitude- **N 17° 18' 0.5"** Longitude- **E 73° 46' 33.8"** Elev.- **1014 m amsl**) having **WPD- 194.60 watt/m<sup>2</sup> @ 50 m AGL** declared by NIWE Chennai.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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 Pvt Ltd* for their **20.80MW (13x1600KW)** capacity wind power project.

▪ **Developer:- M/s Pioneer Wincon Private limited , Chennai).**

- Site:- Nigade Tal. Patan, Dist. Satara (Vetted by NIWE Chennai for M/s Pioneer Wincon Private limited , Chennai).
- Investor:- M/s.Gandhi & Associates, Pune :- 0.25 MW (1x250KW).The project is commissioned during the financial year 2010-11.
- As per site visit on dtd. 4/6/2016 Nigade of Shri.S.N.Sawant, Technician, Girye MEDA 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	Ref. Mast Elev. MASL in	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
				MW							MASL in m	m.	Gut No.		Pvt. Mast	NIWE/MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec								
1		18	2886	0.25	17	11	51.3	73	52	13.2	980	1018	542	Nigade/ Patan/ Satara	0.55		-38	Within (+/-) 60 m elev. difference

**observations:-**

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
  - Nearest reference Wind Mast for the above mentioned wind power project is at Village . Nigade, Tal. Patan, District - Satara (Latitude- N 17<sup>0</sup> 11q36.89q Longitude- E 73<sup>0</sup> 52q02.29q Elev.- 1018 m amsl) having **WPD- 187.86 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for *M/s. Pioneer Wincon Private Limited, Chennai* vide their letter no. NIWE/WRA/104/2014-2015 dated 11.02.2015.
  - As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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. Gandhi Associates, Pune* for their **0.25MW (1x250KW)**. capacity wind power project.

➤ **Developer:- M/s.Suzlon Energy Ltd, Pune.**

- Site:- Sadawaghapur, Tal. Patan, Dist. Satara (Vetted by NIWE Chennai for M/s Suzlon Energy Ltd, Pune).

- Investor:- M/s.Arvind Cotsyn (India) Ltd :- 1.25 MW (1x1250KW). The project is commissioned during the financial year 2010-11.
- As per site visit on dtd 4/6/2016 Sadawaghapur, of Shri. R.A. Karndikar, Technician, Girye MEDA 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	Ref. Mast Ele v. MA SL in	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
				MW							MASL in m	m.	Gut No.		Pvt. Mast	NI WE / ME DA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					Deg	Min	Sec	Deg	Min	Sec		Sadawaghapur			Sadawaghapur (Suzlon)			
1		S-98	2675	1.25	17	29	53.7	73	53	36.4	1129	1074	159 (640) Forest	Jambhekarwad Patan, Satara	8.640		55/17	Within (+/-) 60 m elev. difference

#### Observations:-

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Sadawaghapur, Tal. Patan, District - Satara (Latitude- **N 17° 27' 45.8"** Longitude- **E 73° 54' 34.9"** Elev.- **1112 m amsl**) having **WPD- 213.46 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for M/s. Suzlon Energy Ltd vide their letter no. CWET/WRA/064/2008-2009 dated 26.03.2008.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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.Arvind Cotsyn (India) Ltd for their **1.25MW (1x1250KW)**. capacity wind power project.

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

- Site:- Agaswadi, Tal. Khatav, Dist. Satara (Vetted by NIWE for M/s. Regen Powertech Pvt. Ltd. Chennai ).
- Site:- Bhud, Tal. Khanapur, Dist. Sangli (Vetted by NIWE for M/s. Regen Powertech Pvt. Ltd. Chennai ).
- Investor:- M/s. Sispara Renewable Power Pvt. Ltd:- 12.00 MW (08x1500 KW). The project is commissioned during the financial year 2015-16.
- As per site visit on dtd. 5/7/2016. Agaswadi, Bhud of Shri. M.P. Gandhile, P.E., Aurangabad, 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. betn. Ref. wind mast and WTG Elev. (Mtr.)	Remark
				MW							MASL in m.		Gut No.		Pvt. Mast	NIWE/ MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec		Agaswadi			Agaswadi (M/s. Regen)	Bhud (M/s Regen)		
1	C-421	NSL 24	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4338	1.5	17	31	19.42	74	40	51.27	906	890	511	Chilarwadi, Maan, Satara	7.34	6.40	16	Within (+/-) 60 m elev. difference
2	C-421	NSL 25	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4369	1.5	17	31	25.30	74	40	45.79	908	890	511	Chilarwadi, Maan, Satara	7.11	6.57	18	Within (+/-) 60 m elev. difference
3	C-420	NSL 27	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4377	1.5	17	31	37.72	74	40	38.45	912	890	67	Pukale wadi, Maan, Satara	6.73	6.92	22	Within (+/-) 60 m elev. difference
4	C-419	NSL 29	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4371	1.5	17	31	50.15	74	40	36.05	894	890	49	Pukale wadi, Maan, Satara	6.48	7.30	4	Within (+/-) 60 m elev. difference
5	C-418	NSL 35	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4375	1.5	17	32	11.60	74	39	59.58	881	890	30	Pukale wadi, , Maan, Satara	5.22	7.99	-9	Within (+/-) 60 m elev. difference
6	C-416	NSL 38	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4376	1.5	17	32	29.47	74	39	43.44	881	890	18	Pukeale wadi, Maan, Satara	4.56	8.59	-9	Within (+/-) 60 m elev. difference
7	C-420	NSL 39	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4370	1.5	17	32	28.01	74	40	07.83	896	890	23 & 24	Pukeale wadi, Maan, Satara	5.32	8.40	6	Within (+/-) 60 m elev. difference
8	C-417	NSL 40	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4378	1.5	17	32	36.8	74	40	07.71	894	890	20	Pukeale wadi, Maan, Satara	5.13	8.75	4	Within (+/-) 60 m elev. difference

#### observations:-

- There is NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Agaswadi, Tal. Khatav, District - Satara (Latitude- N 17° 33' 28.9" Longitude- E 74° 37' 22.0" Elev.- 890 m amsl) having **WPD- 200.0 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for *M/s Regen Powertech Pvt. Ltd* vide their letter no. C-WET/WRA/047/2009/-2010 dtd 17.12.2009.
- Adjacent Wind Mast for the above mentioned wind power project is at Village . Bhud, Tal. Khanapur, District - Sangli (Latitude- N 17° 27' 52.8" Longitude- E 74° 40' 25.0" Elev.- 850 m amsl) having WPD- 219.34 W/m<sup>2</sup> @ 50 m AGL vetted by NIWE for Regen Powertech Pvt.Ltd.
- As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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. Sispara Renewable Power Pvt. Ltd, Hyderabad* for their **12.00MW (8x1500KW)**. capacity wind power project.

- Old Report :- As per site visit on Agaswadi, Bhud of Shri. H.D. Shinde, Manager (WRA/WZ) 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. betn. Ref. wind mast and WTG Elev. (Mtr.)	Remark
				MW							MASL in m.		Gut No.		Pvt. Mast	NIWE/ MEDA Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec		Agaswadi			Agaswadi (M/s. Regen)	Bhud (M/s Regen)		
1	C-421	NSL 24	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4338	1.5	17	31	19.5	74	40	51.2	900	890	511	Chilarwadi, Maan, Satara	7.34	6.40	10	Within (+/-) 60 m elev. difference
2	C-421	NSL 25	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4369	1.5	17	31	25.4	74	40	45.9	900	890	511	Chilarwadi, Maan, Satara	7.11	6.57	10	Within (+/-) 60 m elev. difference
3	C-420	NSL 27	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4377	1.5	17	31	37.5	74	40	38.3	913	890	67	Pukale wadi, Maan, Satara	6.73	6.92	23	Within (+/-) 60 m elev. difference
4	C-419	NSL 29	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4371	1.5	17	31	49.9	74	40	35.9	893	890	49	Pukale wadi, Maan, Satara	6.48	7.30	3	Within (+/-) 60 m elev. difference
5	C-418	NSL 35	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4375	1.5	17	32	11.5	74	39	59.4	874	890	30	Pukale wadi, , Maan, Satara	5.22	7.99	-16	Within (+/-) 60 m elev. difference
6	C-416	NSL 38	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4376	1.5	17	32	29.4	74	39	43.5	870	890	18	Pukeale wadi, Maan, Satara	4.56	8.59	-20	Within (+/-) 60 m elev. difference
7	C-420	NSL 39	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4370	1.5	17	32	25.5	74	40	09.9	887	890	23 & 24	Pukeale wadi, Maan, Satara	5.32	8.40	-3	Within (+/-) 60 m elev. difference
8	C-417	NSL 40	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4378	1.5	17	32	36.8	74	40	07.4	888	890	20	Pukeale wadi, Maan, Satara	5.13	8.75	-2	Within (+/-) 60 m elev. difference

➤ **Developer:- M/s. Sri Maruti Wind park Devlopers( M/s NSL Wind Power Company (Satara) Pvt. Ltd)**

- Site:- Agaswadi, Tal. Khatav, Dist. Satara (Vetted by NIWE for M/s. Regen Powertech Pvt. Ltd. Chennai ).
- Site:- Bhud, Tal. Khanapur, Dist. Sangli (Vetted by NIWE for M/s. Regen Powertech Pvt. Ltd. Chennai ).
- Investor:- M/s. Kalsubai Power Pvt. Ltd:- 6.00 MW (04x1500 KW). The project is commissioned during the financial year 2015-16.
- As per site visit on dtd. 5/7/2016 Agaswadi, Bhud of Shri. M.P. Gandhile, P.E., Aurangabad 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
				MW							MASL in m.		Gut No.		Pvt. Mast	Pvt. Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec		Agaswadi			Agaswadi (M/s. Regen)	Bhud (M/s Regen)		
1	E-5	NSL 16	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4391	1.5	17	23	07.51	74	41	14.52	909	890	1820	Virali, Maan, Satara	9.03	6.68	19/ 59	Within (+/-) 60 m elev. difference
2	C-422	NSL 30	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4372	1.5	17	31	59.6	74	40	41.32	891	890	41	Pukale wadi, Maan, Satara	6.48	7.61	1	Within (+/-) 60 m elev. difference
3	C-422	NSL 31	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4373	1.5	17	32	07.73	74	40	41.68	900	890	42	Pukale wadi, Maan, Satara	6.38	7.84	10	Within (+/-) 60 m elev. difference
4	C-422	NSL 32	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4374	1.5	17	32	15.44	74	40	41.47	888	890	42	Pukale wadi, Maan, Satara	6.30	8.09	-2	Within (+/-) 60 m elev. difference

#### observations:-

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.
  - Nearest reference Wind Mast for the above mentioned wind power project is at Village . Agaswadi, Tal. Khatav, District - Satara (Latitude- N 17° 33' 28.9" Longitude- E 74° 37' 22.0" Elev.- 890 m amsl) having **WPD- 200.0 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for *M/s Regen Powertech Pvt. Ltd* vide their letter no. C-WET/WRA/047/2009/-2010 dtd 17.12.2009.
  - Adjacent Wind Mast for the above mentioned wind power project is at Village . Bhud, Tal. Khanapur, District - Sangli (Latitude- N 17° 27' 52.8" Longitude- E 74° 40' 25.0" Elev.- 850 m amsl) having WPD- 219.34 W/m<sup>2</sup> @ 50 m AGL vetted by NIWE for Regen Powertech Pvt.Ltd.
  - As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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 d to issue the **wind zone-I** letter to *M/s. Kalsubai Power Pvt. Ltd* for their **6.00MW (4x1500KW)**. capacity wind power project.
- Old Report :- As per site visit on Agaswadi, Bhud of Shri. H.D. Shinde, Manager (WRA/WZ) 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
				MW							MASL in m.		Gut No.		Pvt. Mast	Pvt. Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec		Agasw adi			Agasw adi (M/s. Regen)	Bhud (M/s. Regen)		
1	E-5	NSL 16	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4391	1.5	17	31	12.8	74	41	53.2	906	890	1820	Virali, Maan, Satara	9.03	6.68	16	Within (+/-) 60 m elev. difference
2	C-422	NSL 30	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4372	1.5	17	31	59.6	74	40	41.2	891	890	41	Pukale wadi, Maan, Satara	6.48	7.61	1	Within (+/-) 60 m elev. difference
3	C-422	NSL 31	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4373	1.5	17	32	07.4	74	40	41.1	891	890	42	Pukale wadi, Maan, Satara	6.38	7.84	1	Within (+/-) 60 m elev. difference
4	C-422	NSL 32	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4374	1.5	17	32	15.3	74	40	41.3	879	890	42	Pukale wadi, Maan, Satara	6.30	8.09	-11	Within (+/-) 60 m elev. difference

➤ **Developer:- M/s. Sri Maruti Wind park Devlopers**

- Site:- Agaswadi, Tal. Khatav, Dist. Satara (Vetted by NIWE for M/s. Regen Powertech Pvt. Ltd. Chennai ).
- Site:- Bhud, Tal. Khanapur, Dist. Sangli (Vetted by NIWE for M/s. Regen Powertech Pvt. Ltd. Chennai ).
- Investor:- M/s.Chak Rader Farm Equipments Pvt. Ltd:- 1.50 MW (01x1500 KW). The project is commissioned during the financial year 2015-16.
- As per site visit on dtd. 26/10/2015 Agaswadi, Bhud of Shri. H.D. Shinde, Manager (WRA/WZ) and Shri M.P. Gandhele, PE MEDA on dtd. 5/7/2016 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
				MW							MASL in m.		Gut No.		Pvt. Mast	Pvt. Mast		
1	2	3	4	5	6			7			8	9	10	11	12	13	14= (8- 9)	15
					De g	Min	Sec	De g	Min	Sec		Agasw adi			Agasw adi (M/s. Regen)	Bhud (M/s. Regen)		
1	E-6	RCK-3	Satara/Agaswadi/ Regen/1.5 MW/D/14-15/4366	1.5	17	31	32.6	74	37	43.0	861/876	890	1725	Kukudw ad/ Maan/S atara	3.6	8.2	-29/- 14	Within (+/-) 60 m elev. difference

**observations:-**

- There is no NIWE Chennai declared wind mast within the 10 km radial distance of the above mentioned wind power project.



- Nearest reference Wind Mast for the above mentioned wind power project is at Village . Agaswadi, Tal. Khatav, District - Satara (Latitude- N 17° 33' 28.9" Longitude- E 74° 37' 22.0" Elev.- 890 m amsl) having **WPD- 200.0 W/m<sup>2</sup> @ 50 m AGL** vetted by NIWE Chennai for M/s Regen Powertech Pvt. Ltd vide their letter no. C-WET/WRA/047/2009/-2010 dtd 17.12.2009.
  - *Nearest reference Wind Mast for the above mentioned wind power project is at Village – Bhud, Tal. Khanapur, District - Sangli (Latitude- N 17° 27' 52.8" Longitude- E 74° 40' 25.0" Elev.- 850 m amsl) having WPD- 219.34 W/m<sup>2</sup> @ 50 m AGL vetted by NIWE Chennai for M/s Regen Powertech Pvt. Ltd*
  - As per wind classification procedure, all WTGs are within effective area (10 km radial distance) of referred wind mast and overall 100% WTG location co-ordinates of wind power project are **within (+/-) 60 m** elevation difference of referred 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. *Chak Rader Farm Equipments Pvt Ltd* for their **1.50MW (1x1500KW)**. capacity wind power project.