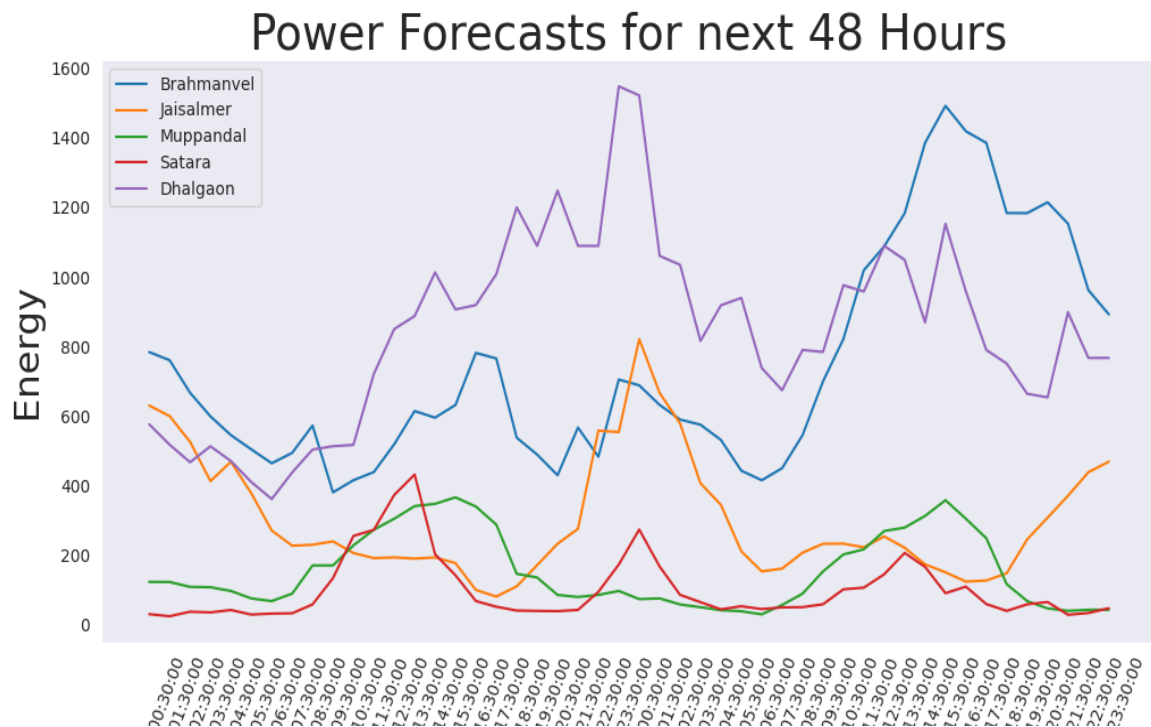


# POWER FORECAST REPORT

## Optimum Output:



*The following graph displays the Power generated by the 5 largest wind farms in India namely Brahmanvel, Satara, Muppandal, Jaisalmer & Dhalgaon.*

>>Total Power Generated by Muppandal farm in 24 hours from 2020-08-14 00:30:00 is 4221.05 Watt and in 48 hours from 2020-08-14 00:30:00 is 7404.99 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-14 00:30:00 is 18844.78 Watt and in 48 hours from 2020-08-14 00:30:00 is 40459.3 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-08-14 00:30:00 is 2650.75 Watt and in 48 hours from 2020-08-14 00:30:00 is 4769.89 Watt.

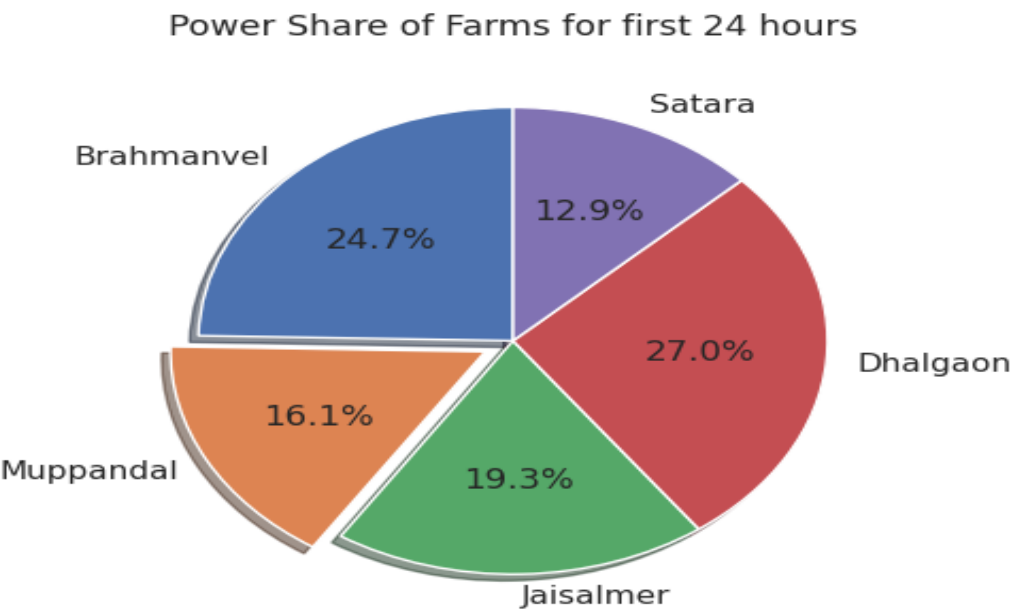
>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-14 00:30:00 is 13726.66 Watt and in 48 hours from 2020-08-14 00:30:00 is 35671.84 Watt.

>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-14 00:30:00 is 7190.92 Watt  
and in 48 hours from 2020-08-14 00:30:00 is 14433.03 Watt.

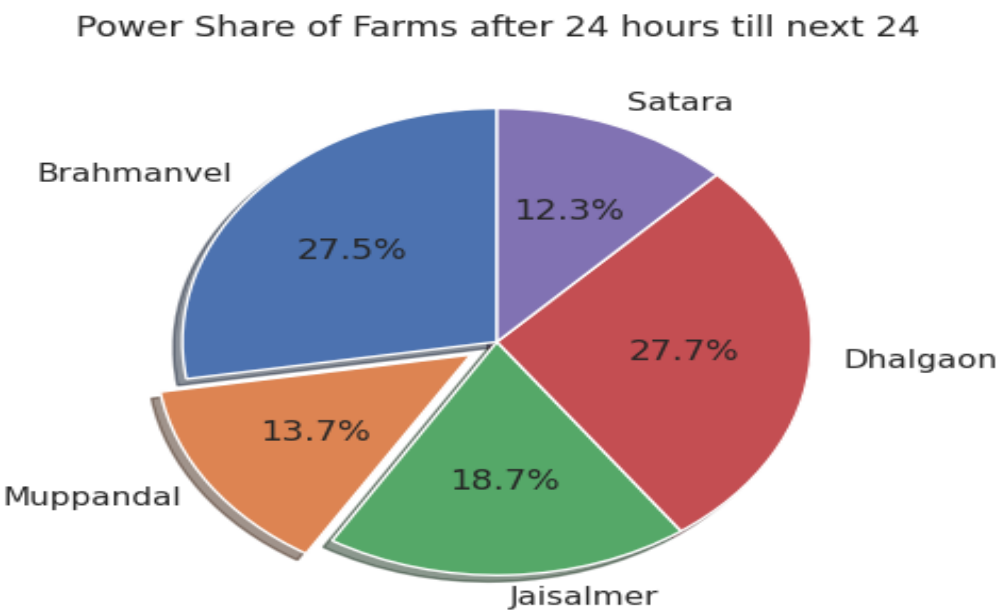
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	121.82	629.53	783.4	575.36	28.8
01:30:00	121.44	599.04	759.97	516.71	22.91
02:30:00	107.45	525.2	666.39	466.34	35.91
03:30:00	106.35	411.96	598.21	512.15	33.95
04:30:00	95.65	467.72	544.37	469.7	40.81
05:30:00	74.2	376.7	503.32	409.35	27.73
06:30:00	66.54	269.79	463.31	360.39	30.57
07:30:00	87.92	226.07	493.25	436.71	31.44
08:30:00	169.15	228.64	571.94	502.73	56.96
09:30:00	169.15	238.41	379.67	512.39	132.48
10:30:00	226.78	204.93	414.44	516.17	253.98
11:30:00	271.97	190.19	437.9	720.44	271.74
12:30:00	303.64	192.17	518.07	849.64	372.15
13:30:00	339.87	188.84	613.76	887.21	430.96
14:30:00	346.55	192.2	594.55	1012.68	201.5
15:30:00	365.14	175.76	631.24	906.17	140.83
16:30:00	338.76	98.63	781.12	918.78	66.66
17:30:00	286.65	79.52	764.97	1007.68	50.17
18:30:00	145.16	108.95	536.95	1200.09	39.27
19:30:00	134.4	170.11	488.29	1089.17	38.17
20:30:00	84.22	231.49	428.87	1248.0	37.48
21:30:00	78.34	274.65	566.14	1089.17	41.17

Power Share:

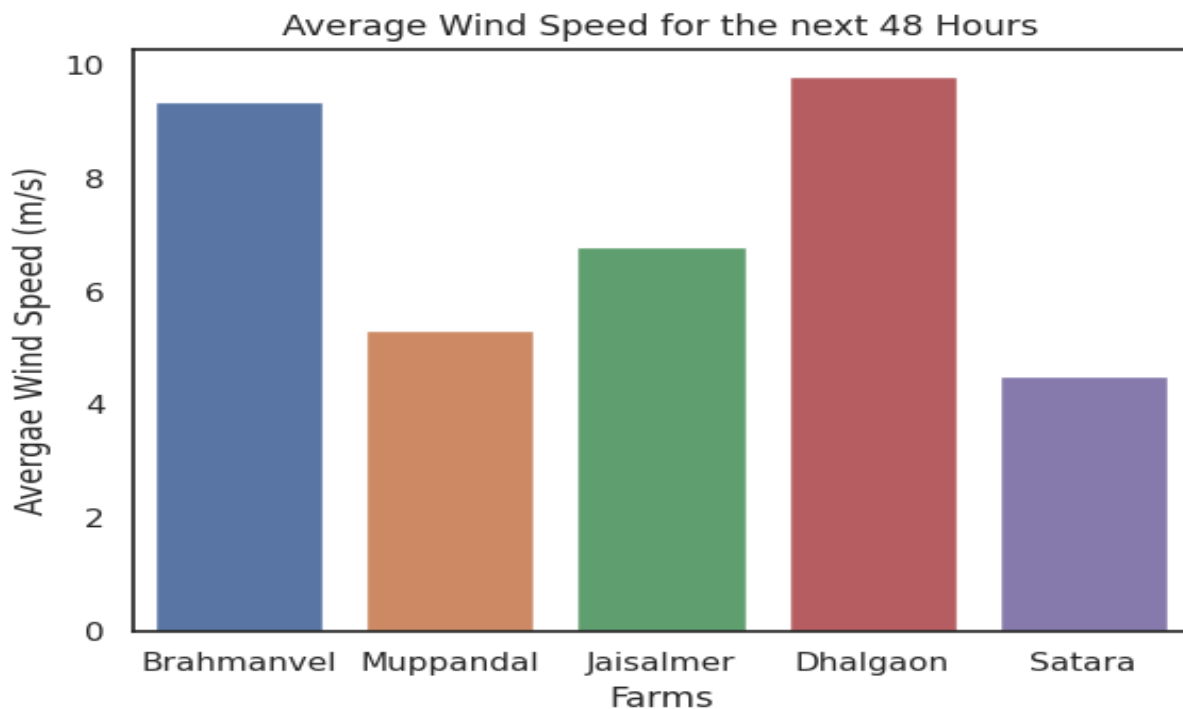


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



*The above displayed pie chart shows the Power Generation Share for the next 24 hours after 24 (i.e. day after tomorrow).*

### Wind Speed:

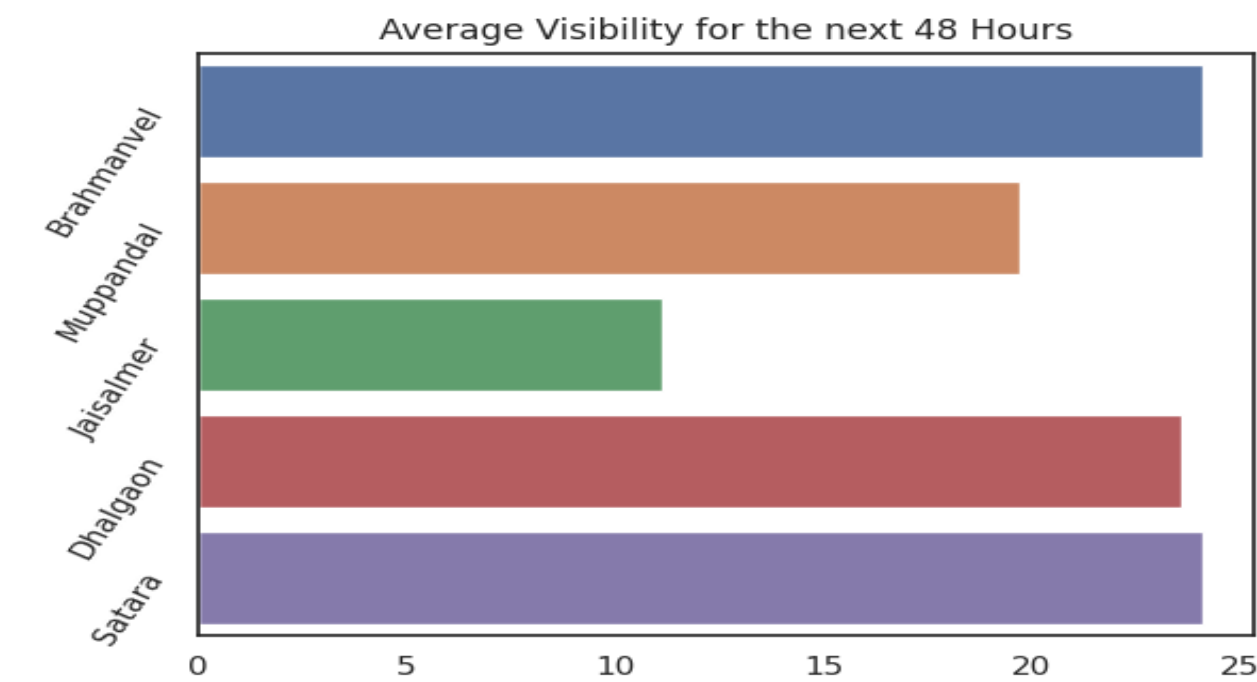


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

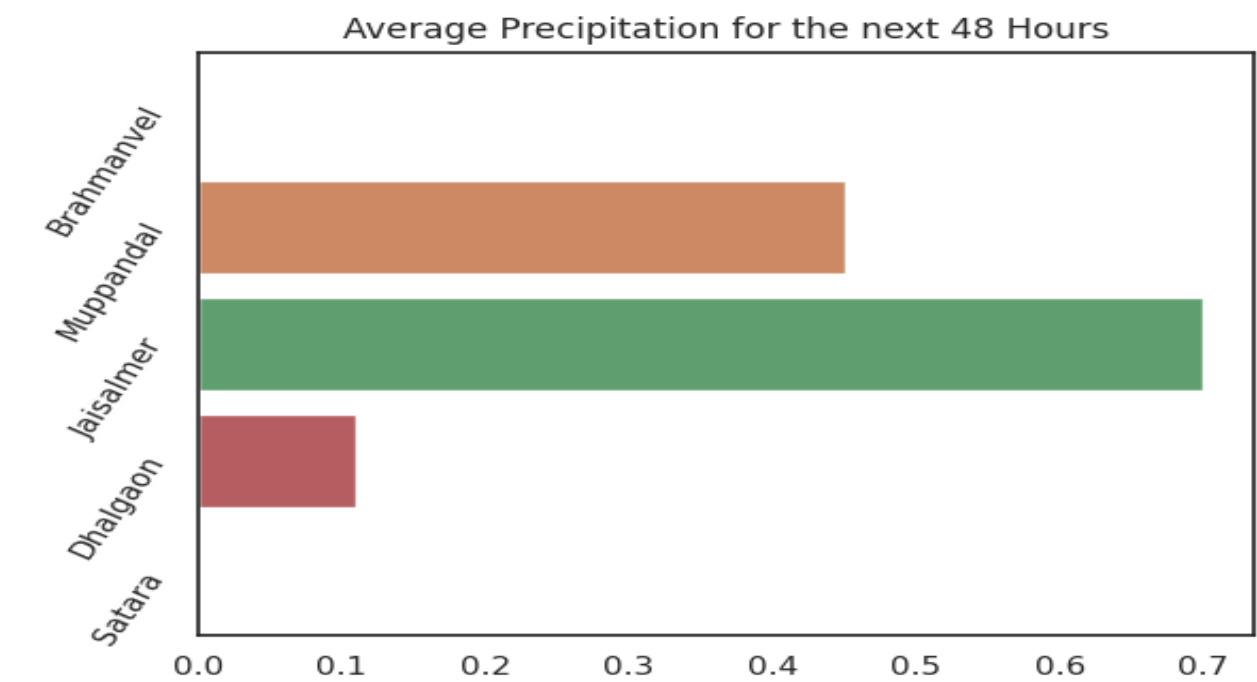
### Weather Description:

- > *Weather around the Brahmanvel farm is likely to be: Overcast clouds*
- > *Weather around the Jaisalmer farm is likely to be: Overcast clouds*
- > *Weather around the Muppandal farm is likely to be: Overcast clouds*
- > *Weather around the Dhalgaon farm is likely to be: Overcast clouds*
- > *Weather around the Satara farm is likely to be: Overcast clouds*

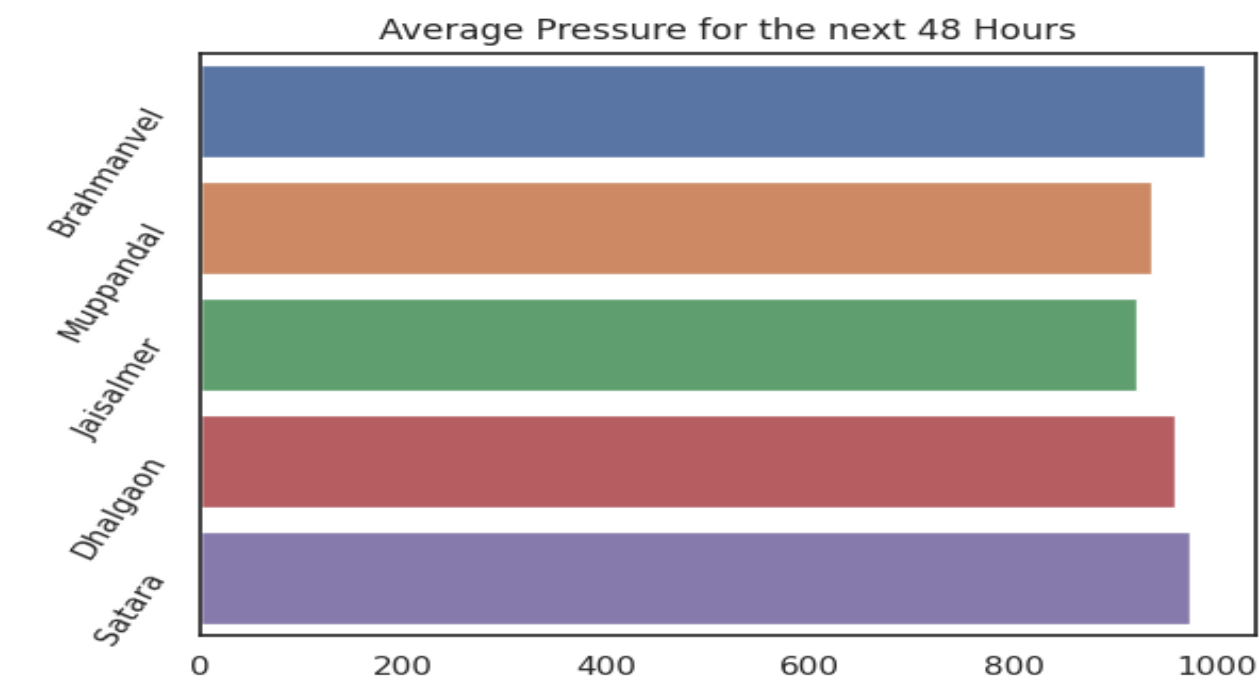
Visibility:



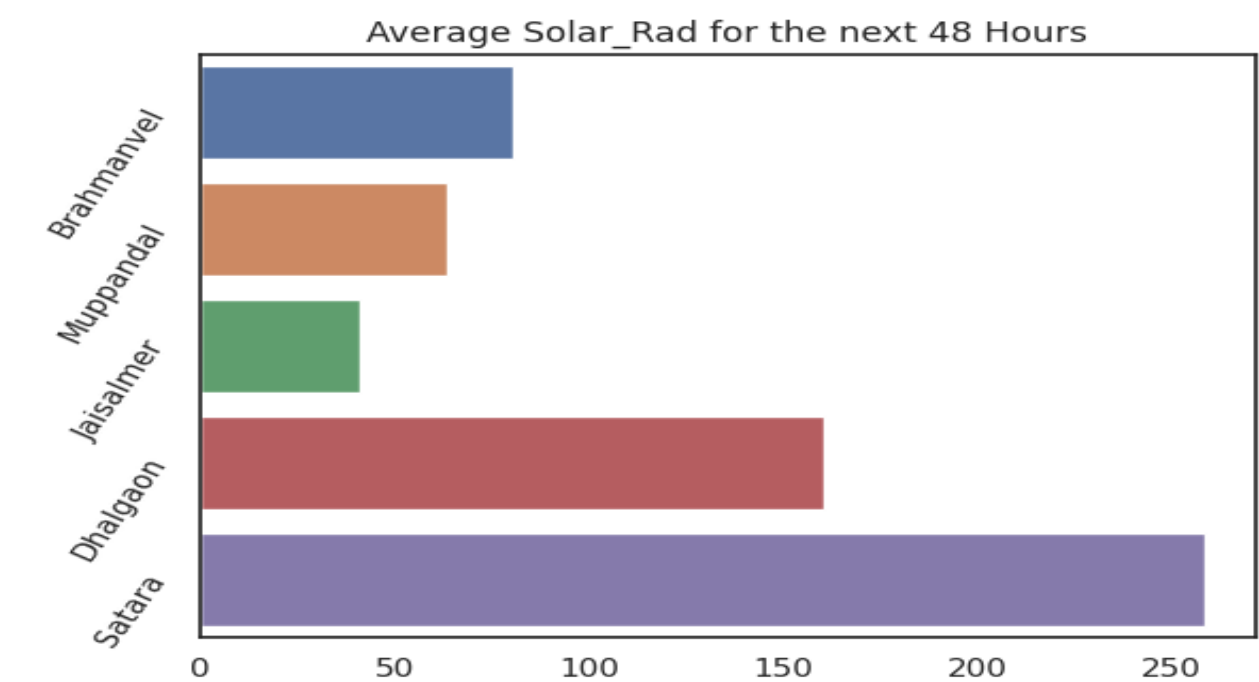
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-14 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-08-15 is 15:30:00 to 16:30:00

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-14 is 23:30:00 to 00:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-15 is 00:30:00 to 01:30:00

### *Satara*

>>The Best time to extract Energy from Satara farm on 2020-08-14 is 13:30:00 to 14:30:00

>>The Best time to extract Energy from Satara farm on 2020-08-15 is 00:30:00 to 01:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-14 is 00:30:00 to 01:30:00

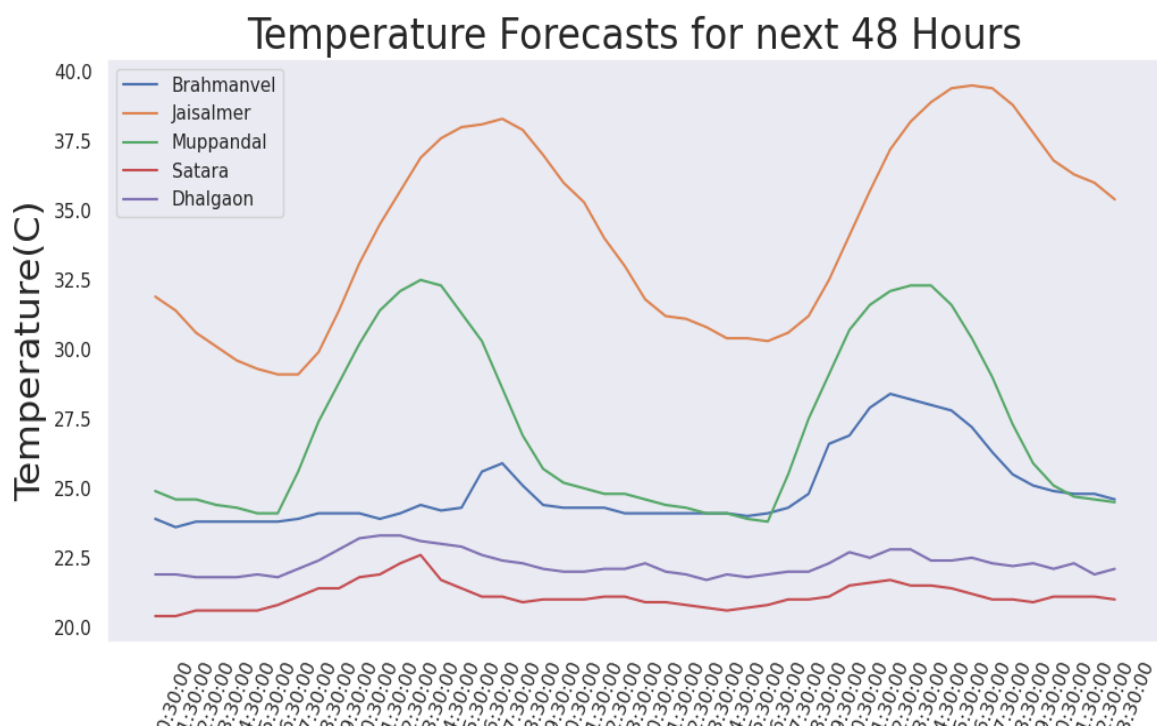
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-15 is 15:30:00 to 16:30:00

### *Jaisalmer*

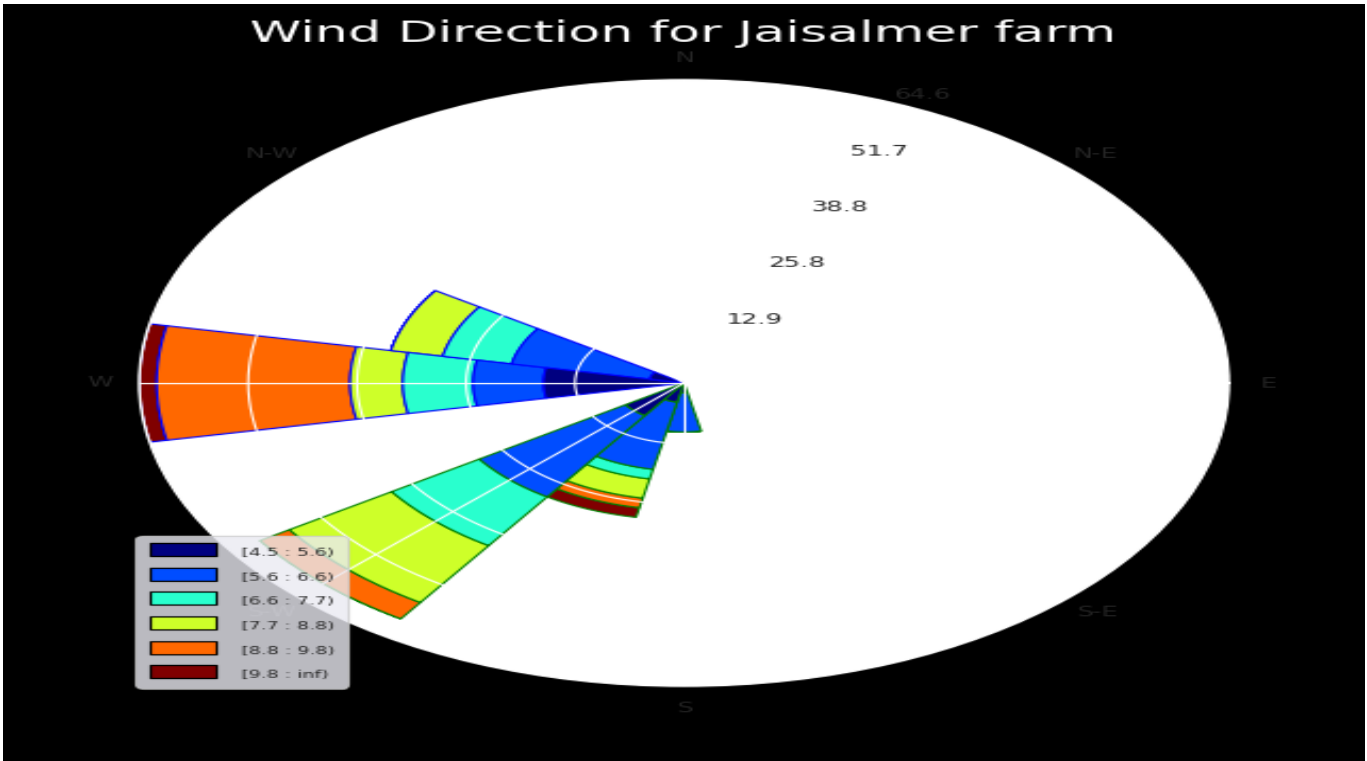
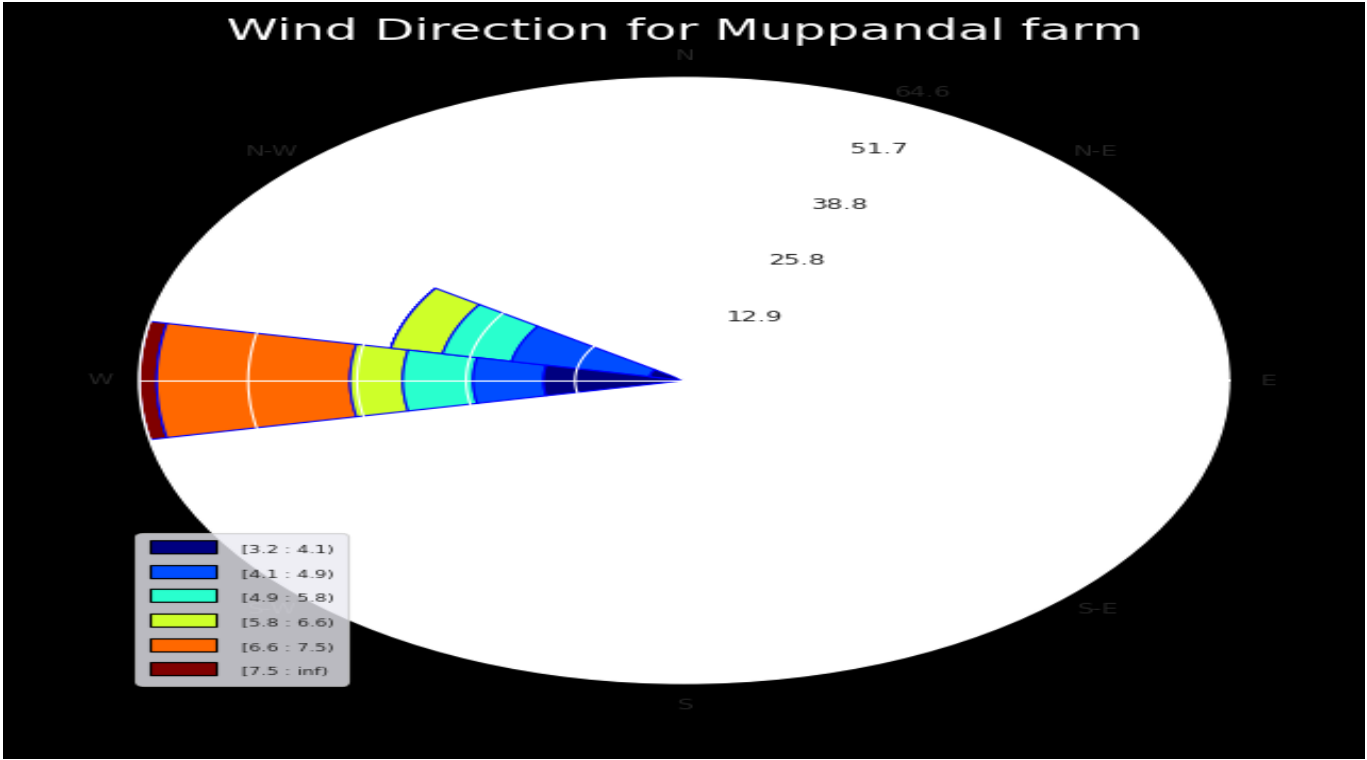
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-14 is 00:30:00 to 01:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-15 is 00:30:00 to 01:30:00

## Temperature at Farms (Next 48 hours):

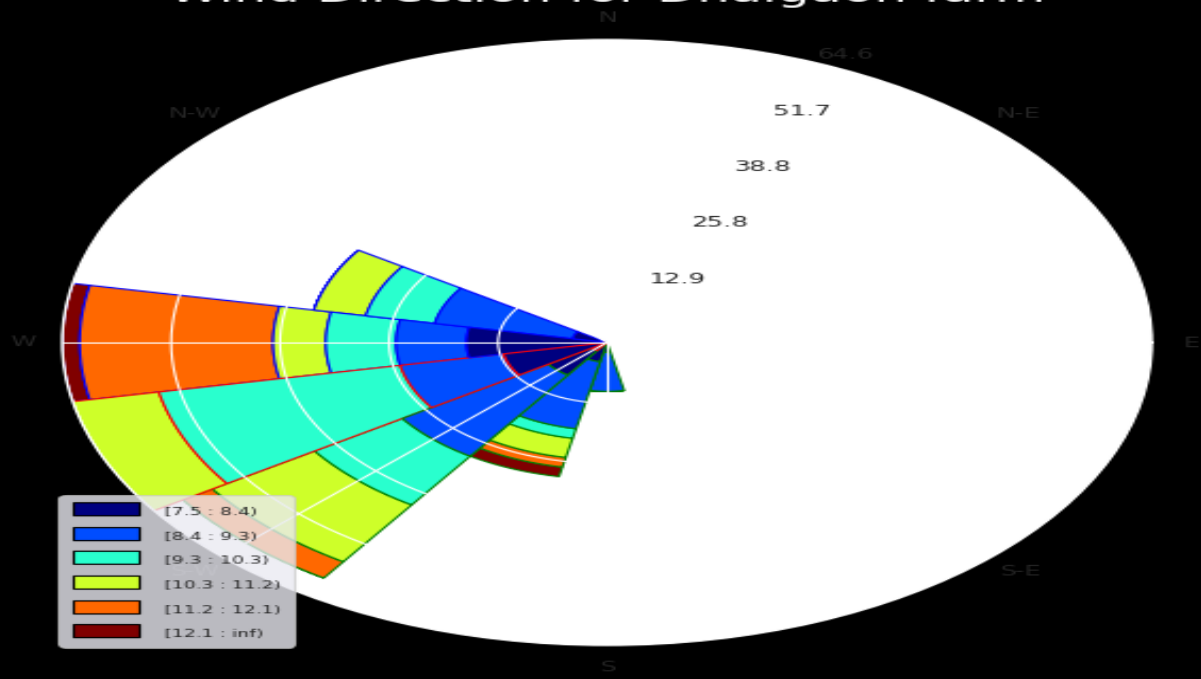


WIND DIRECTIONS FOR THE FARMS:

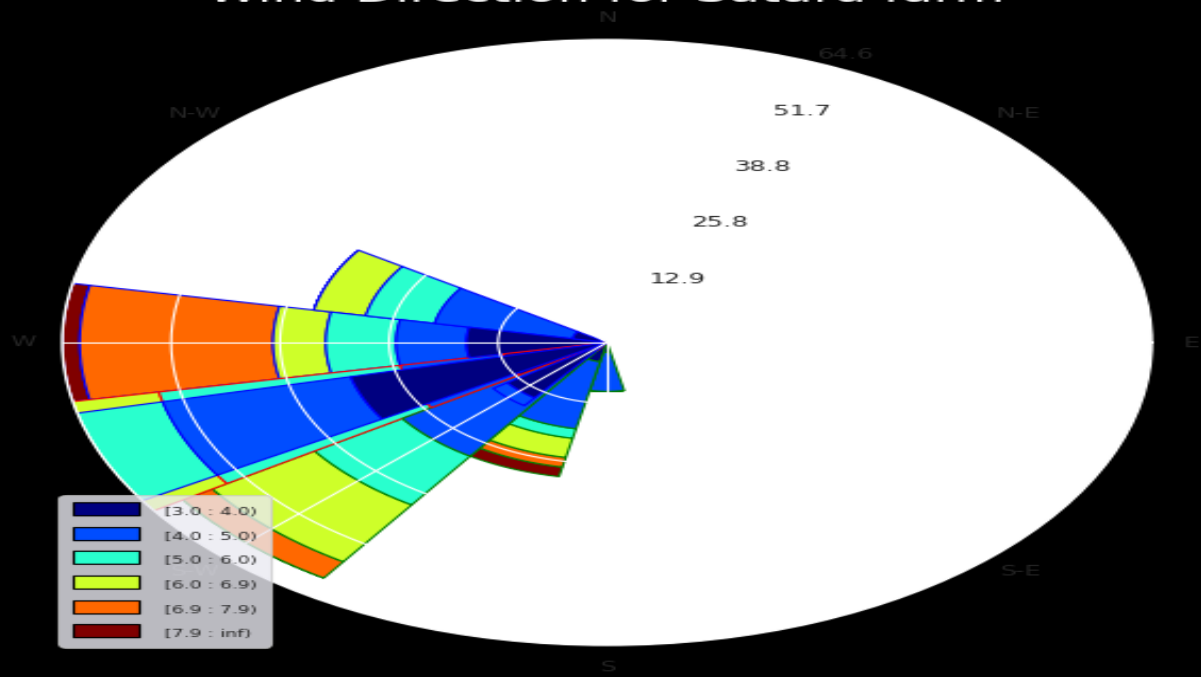




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

