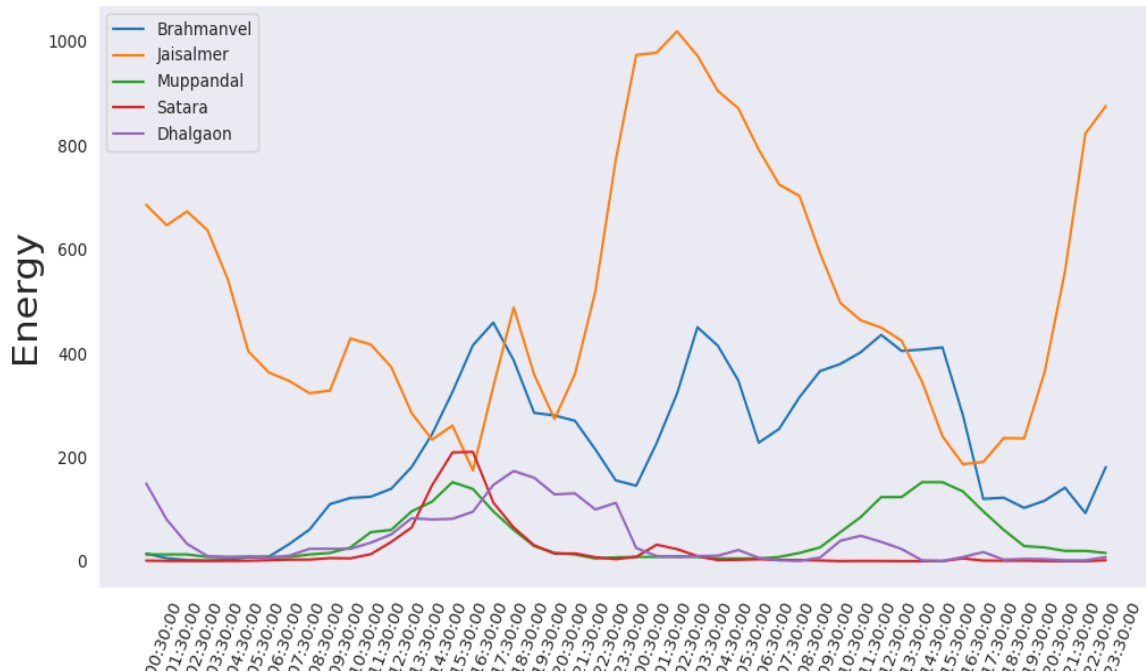


# POWER FORECAST REPORT

## Optimum Output:

### Power Forecasts for next 48 Hours



*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 2020-07-22 00:30:00 is 979.33 Watt and in 48 hours from 2020-07-22 00:30:00 is 2172.07 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-07-22 00:30:00 is 1755.27 Watt and in 48 hours from 2020-07-22 00:30:00 is 2054.43 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-07-22 00:30:00 is 953.28 Watt and in 48 hours from 2020-07-22 00:30:00 is 1052.88 Watt.

>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-07-22 00:30:00 is 3847.5 Watt and in 48 hours from 2020-07-22 00:30:00 is 10512.05 Watt.

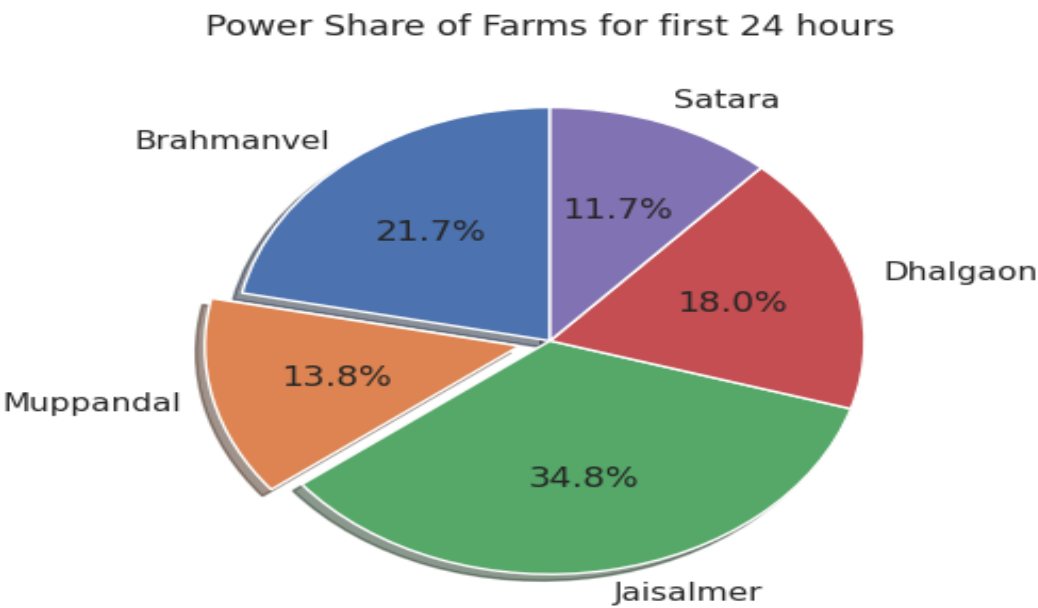
>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-07-22 00:30:00 is 10225.95

Watt and in 48 hours from 2020-07-22 00:30:00 is 24639.26 Watt.

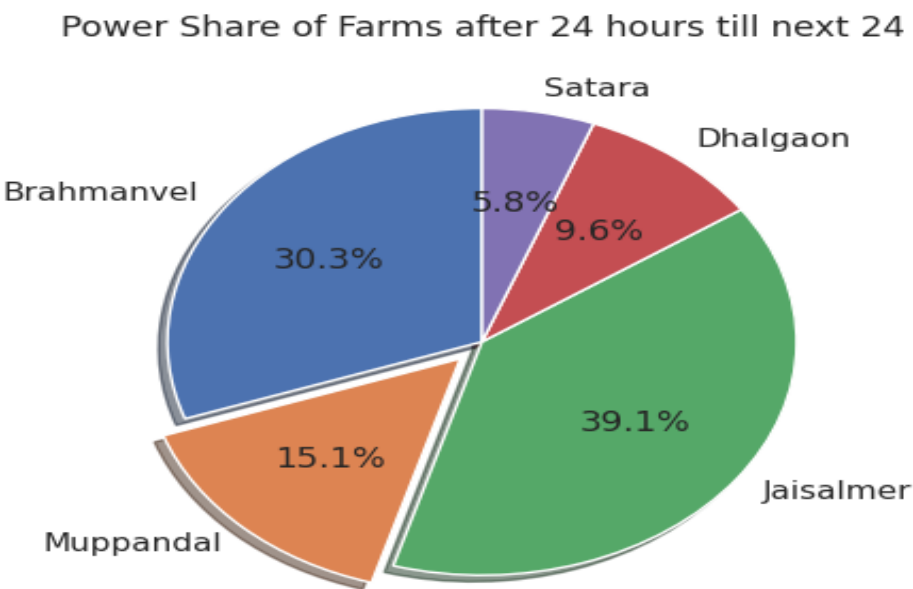
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	12.98	685.18	14.67	149.3	1.09
01:30:00	12.98	645.86	5.77	80.25	0.5
02:30:00	12.98	672.56	2.04	33.44	0.5
03:30:00	8.22	636.46	1.22	9.88	0.62
04:30:00	8.22	541.86	2.76	7.39	0.49
05:30:00	8.22	403.64	7.63	8.84	0.8
06:30:00	8.22	363.08	8.6	6.49	1.93
07:30:00	8.22	346.61	32.86	10.54	2.98
08:30:00	12.98	322.99	60.89	23.8	3.08
09:30:00	15.86	328.0	109.79	23.8	5.95
10:30:00	26.47	428.23	121.58	23.8	5.44
11:30:00	55.84	416.6	124.03	35.6	13.51
12:30:00	60.17	373.56	139.28	51.53	36.98
13:30:00	95.85	284.99	181.02	82.67	64.83
14:30:00	114.51	233.78	244.27	80.25	145.89
15:30:00	151.93	260.82	325.32	81.51	209.15
16:30:00	138.96	174.5	415.17	95.18	210.2
17:30:00	95.85	335.85	458.85	146.55	112.94
18:30:00	60.17	487.81	386.17	173.48	64.83
19:30:00	29.07	358.88	285.24	160.44	30.59
20:30:00	15.86	273.45	280.23	128.45	14.63
21:30:00	12.98	359.78	269.98	130.39	14.88

Power Share:

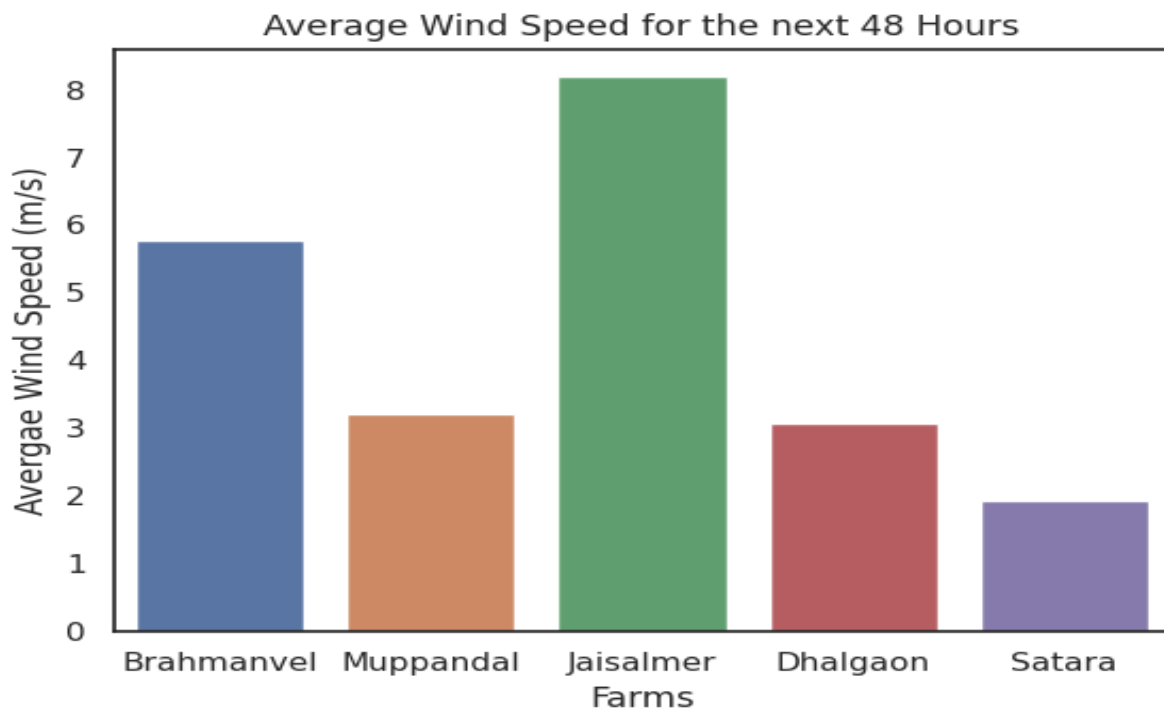


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

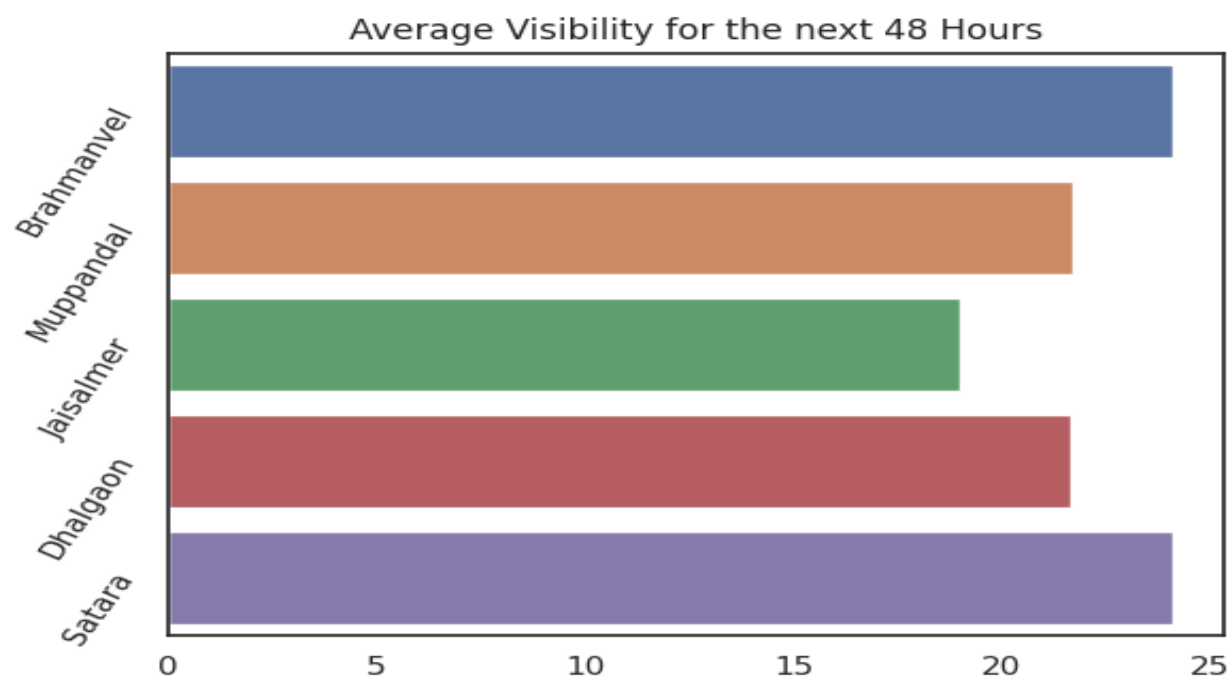


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

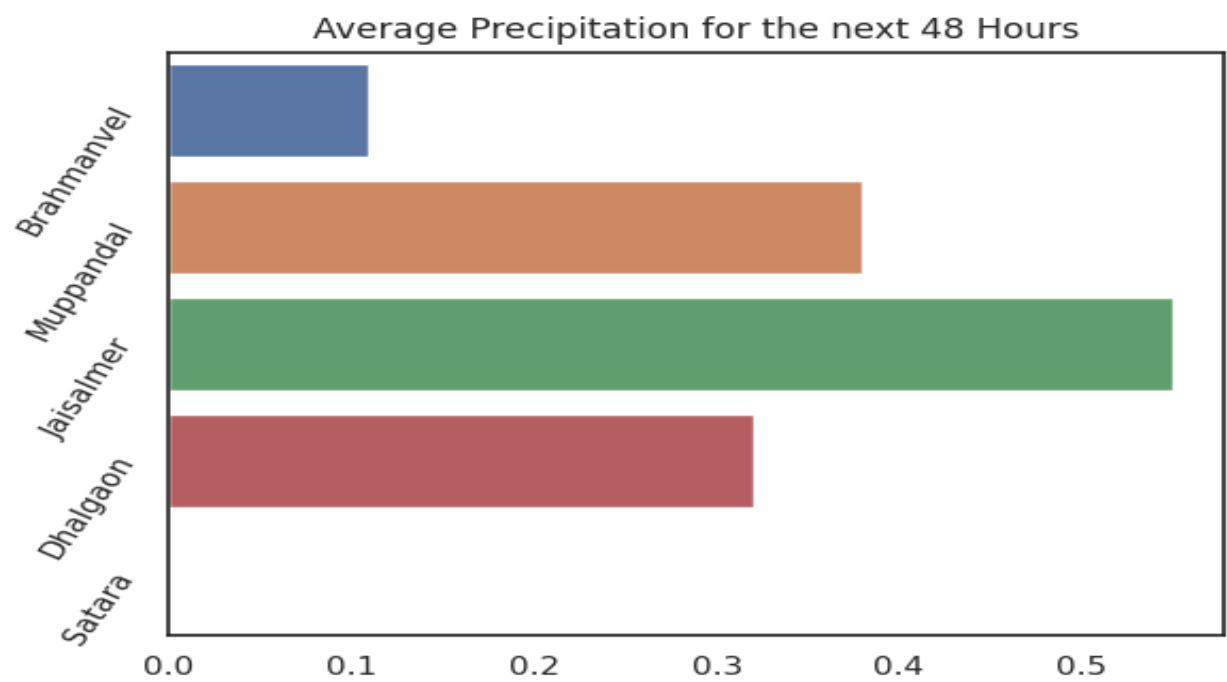
### Weather Description:

- > *Weather around the Brahmanvel farm is likely to be: Overcast clouds*
- > *Weather around the Jaisalmer farm is likely to be: Clear Sky*
- > *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*

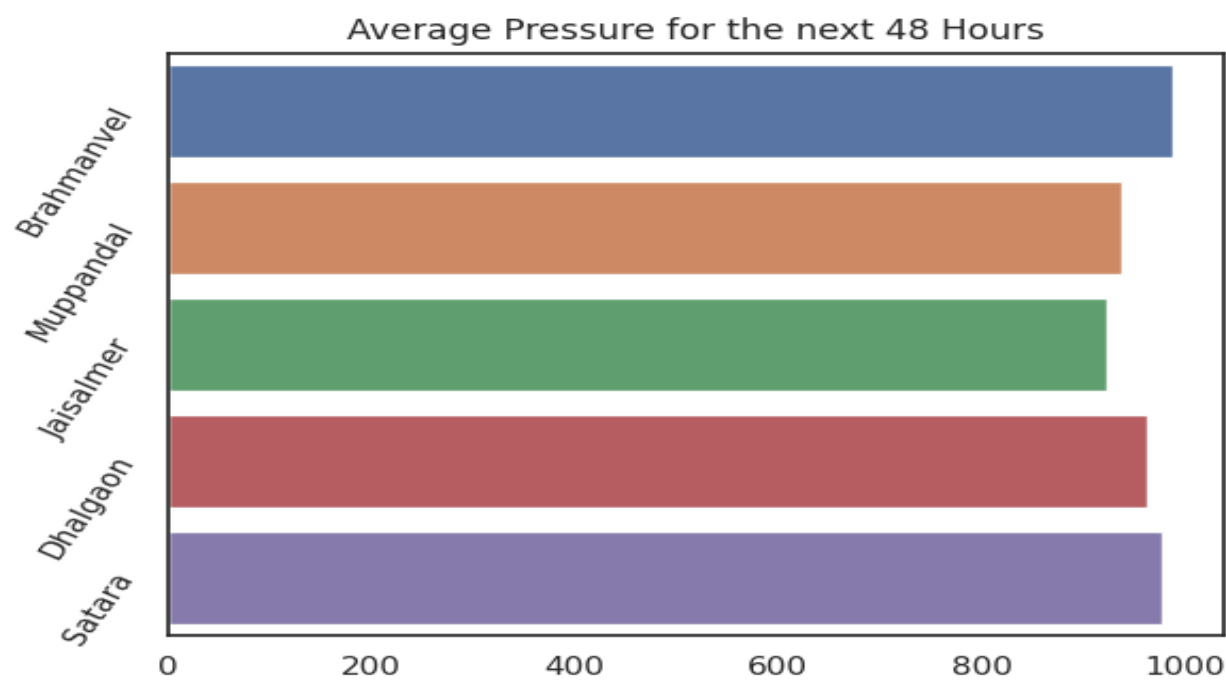
Visibility:



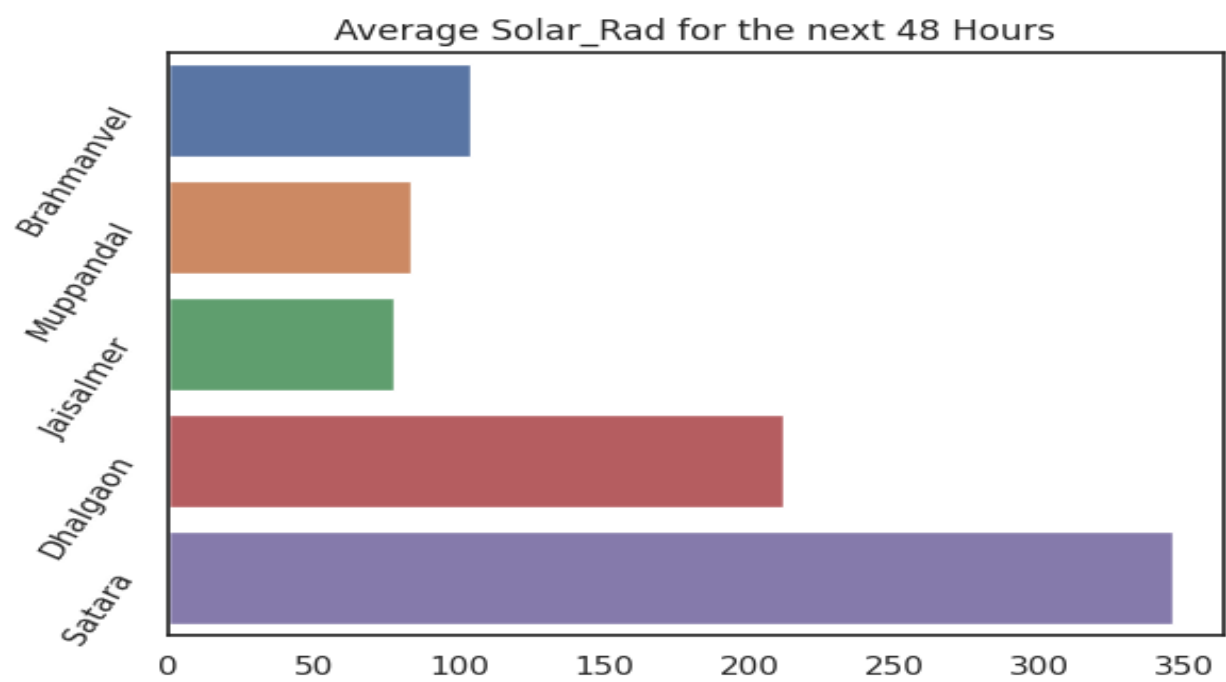
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-07-22 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-07-23 is 14:30:00 to 15:30:00

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-07-22 is 18:30:00 to 19:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-07-23 is 11:30:00 to 12:30:00

### *Satara*

>>The Best time to extract Energy from Satara farm on 2020-07-22 is 16:30:00 to 17:30:00

>>The Best time to extract Energy from Satara farm on 2020-07-23 is 01:30:00 to 02:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-07-22 is 17:30:00 to 18:30:00

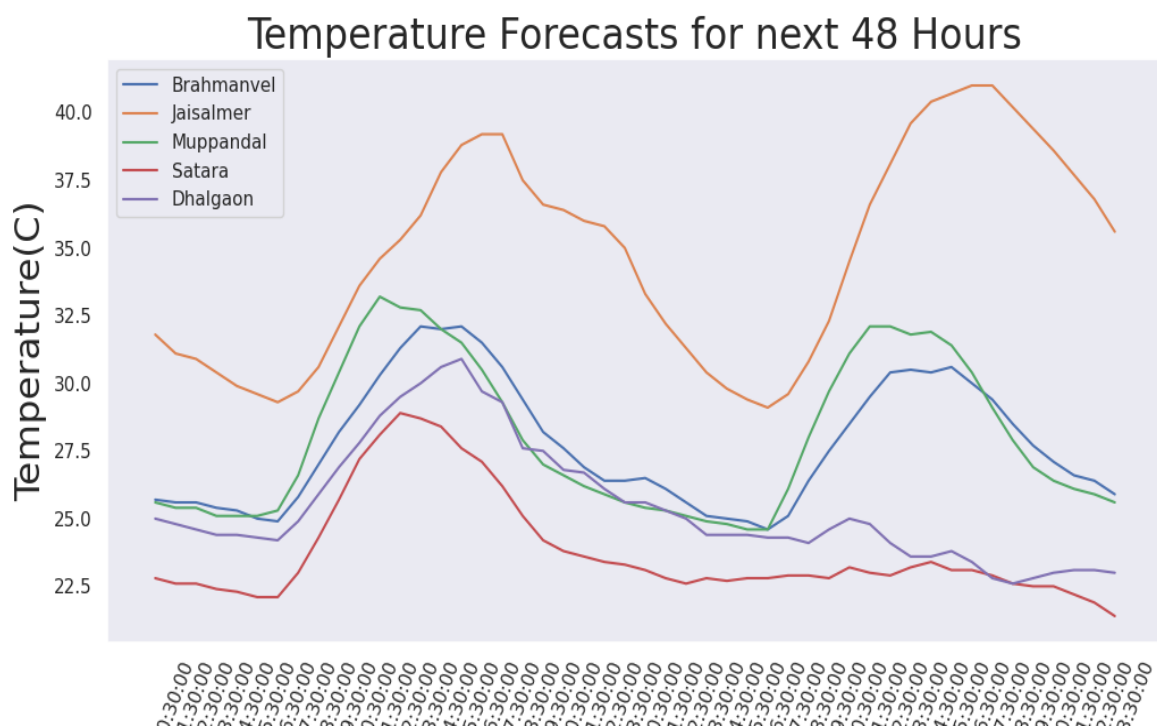
>>The Best time to extract Energy from Brahmanvel farm on 2020-07-23 is 03:30:00 to 04:30:00

### *Jaisalmer*

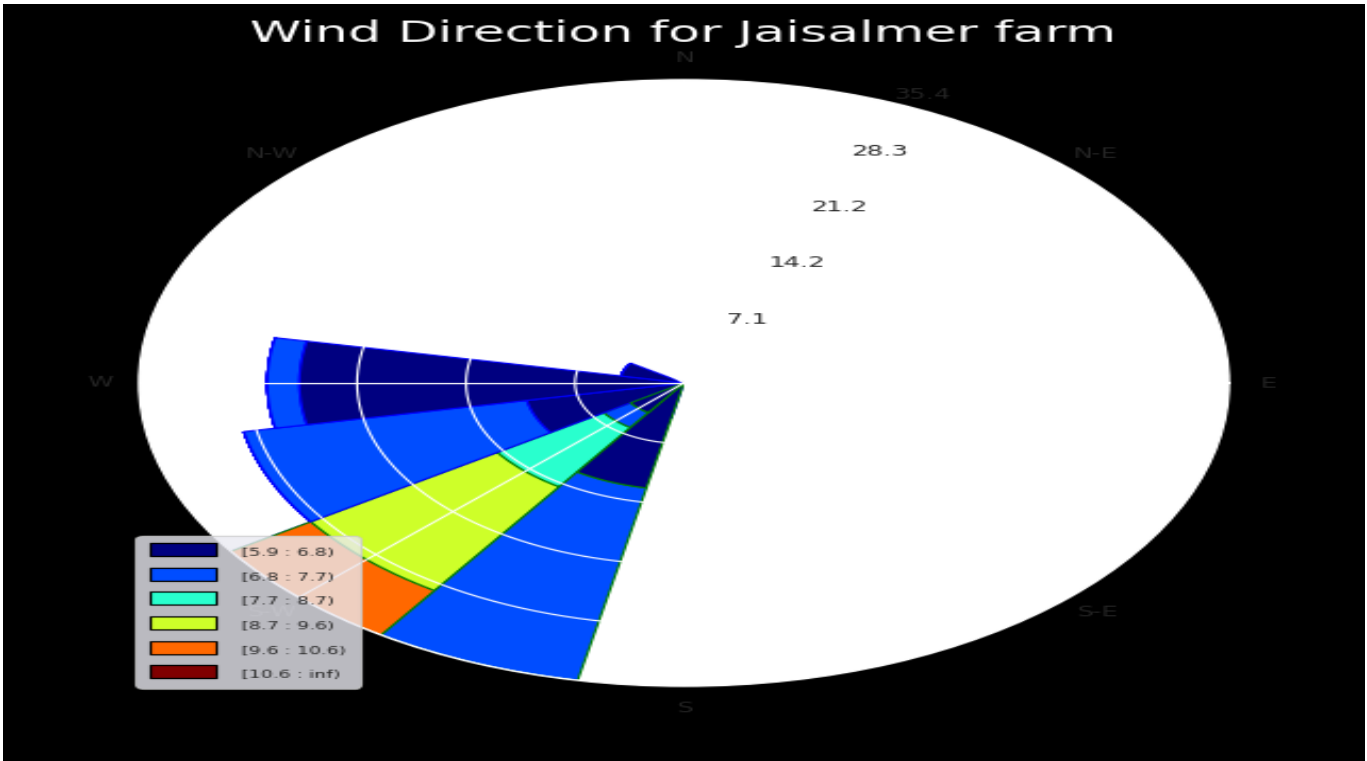
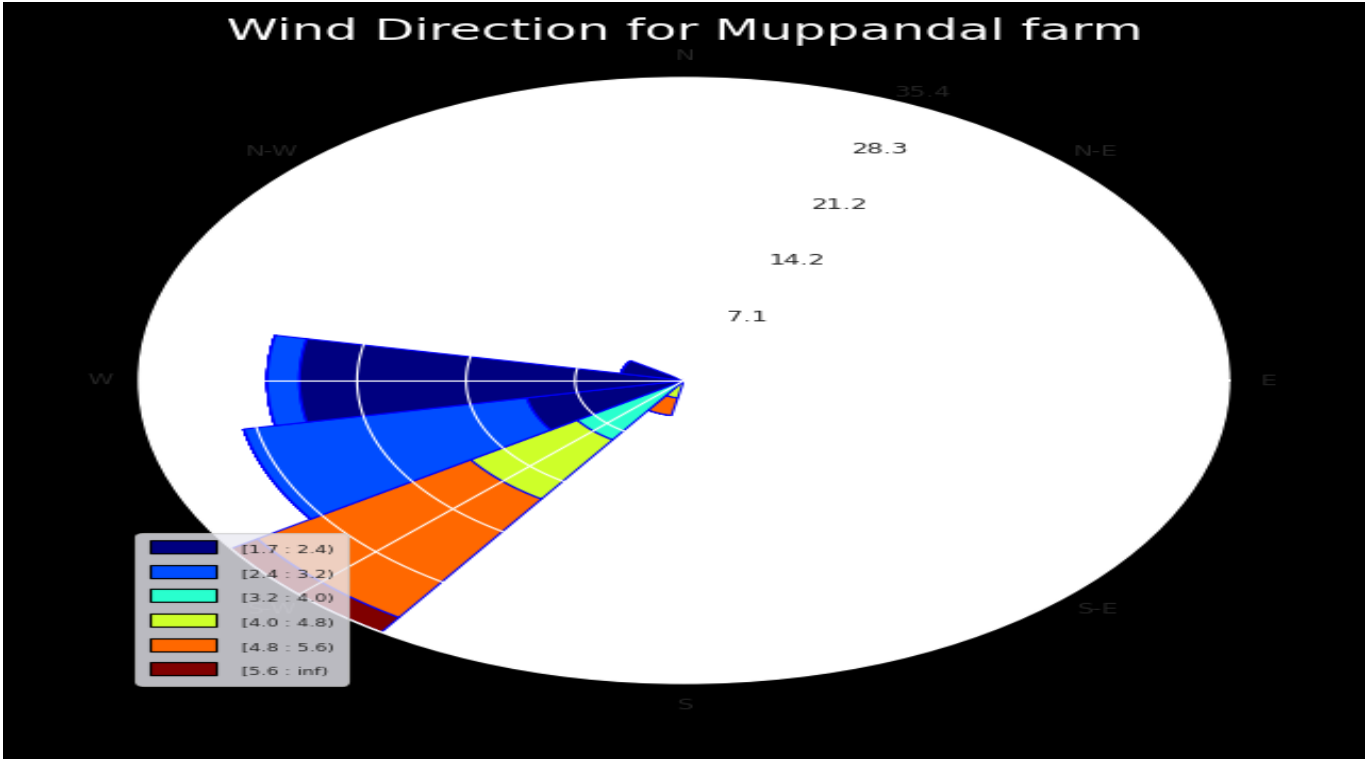
>>The Best time to extract Energy from Jaisalmer farm on 2020-07-22 is 23:30:00 to 00:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-07-23 is 02:30:00 to 03:30:00

## Temperature at Farms (Next 48 hours):

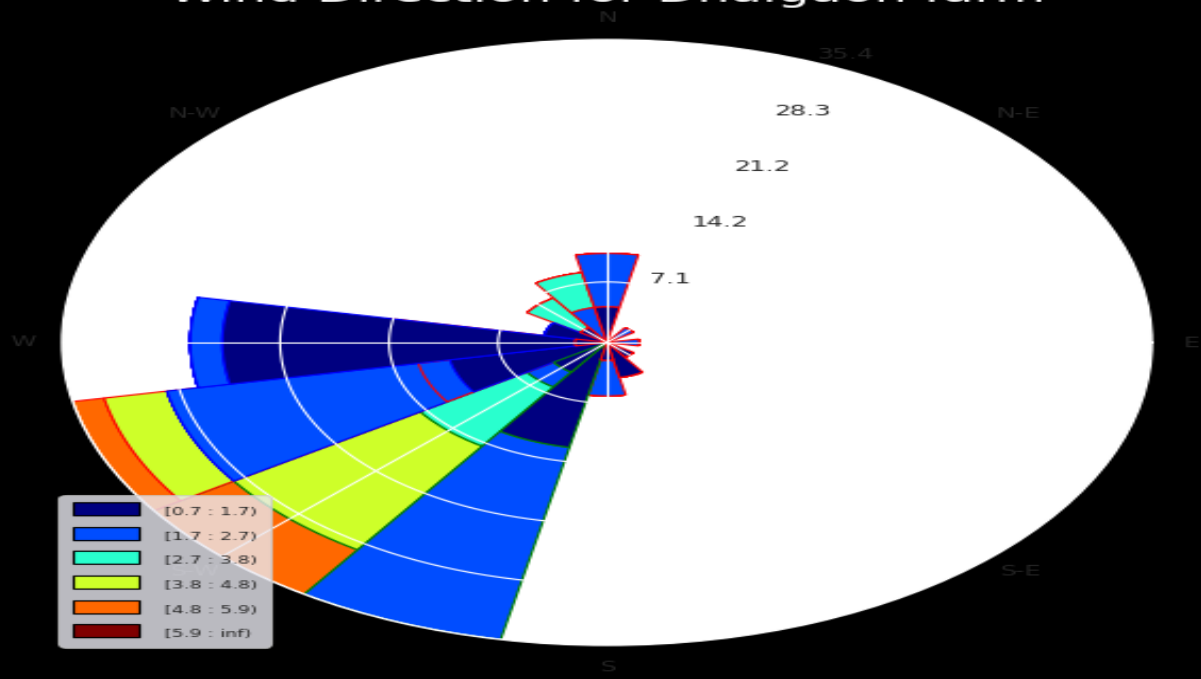


WIND DIRECTIONS FOR THE FARMS:

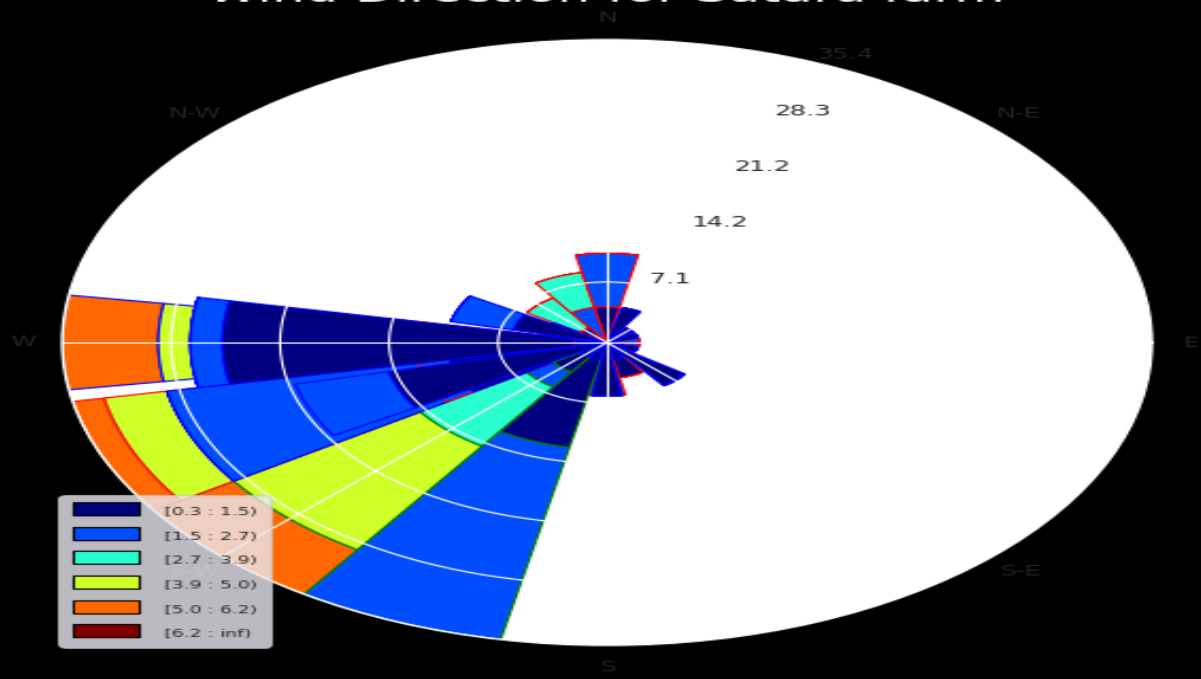




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

