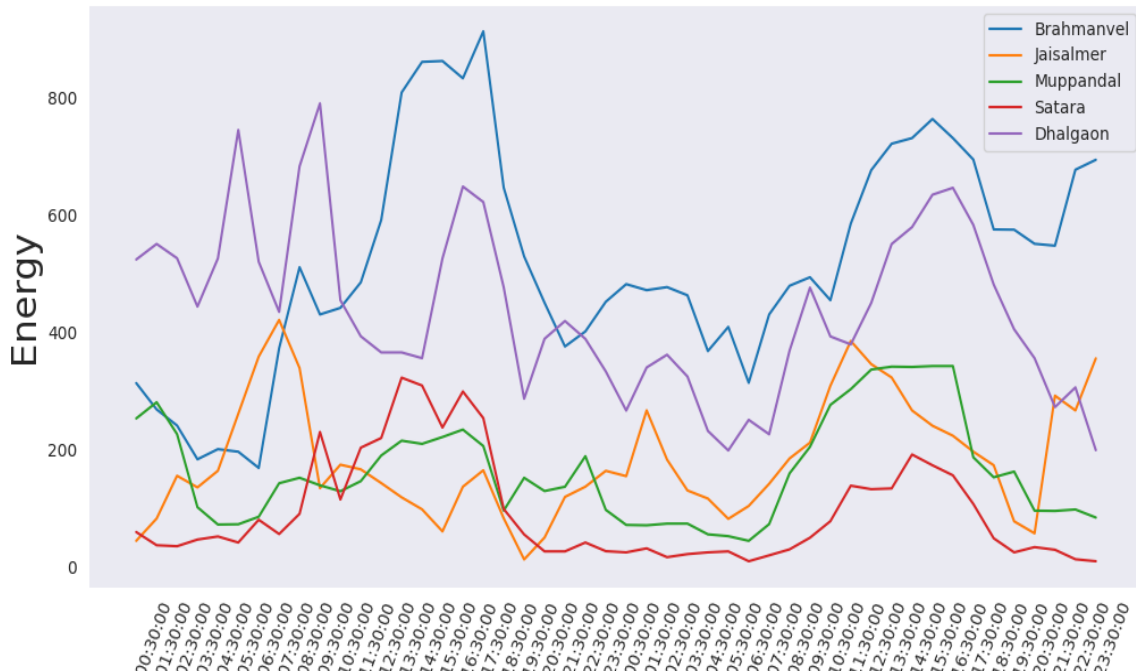


# POWER FORECAST REPORT

## 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 2020-08-08 00:30:00 is 3877.33 Watt and in 48 hours from 2020-08-08 00:30:00 is 7914.57 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-08 00:30:00 is 11770.26 Watt and in 48 hours from 2020-08-08 00:30:00 is 21051.7 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-08-08 00:30:00 is 2963.5 Watt and in 48 hours from 2020-08-08 00:30:00 is 4487.85 Watt.

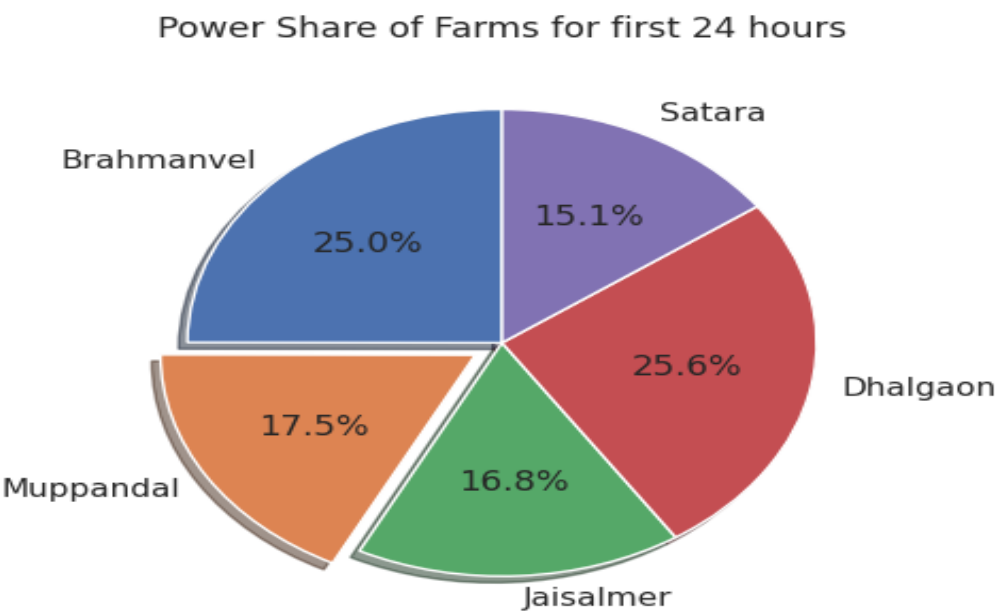
>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-08 00:30:00 is 11539.71 Watt and in 48 hours from 2020-08-08 00:30:00 is 24908.21 Watt.

>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-08 00:30:00 is 3723.09 Watt  
and in 48 hours from 2020-08-08 00:30:00 is 8811.04 Watt.

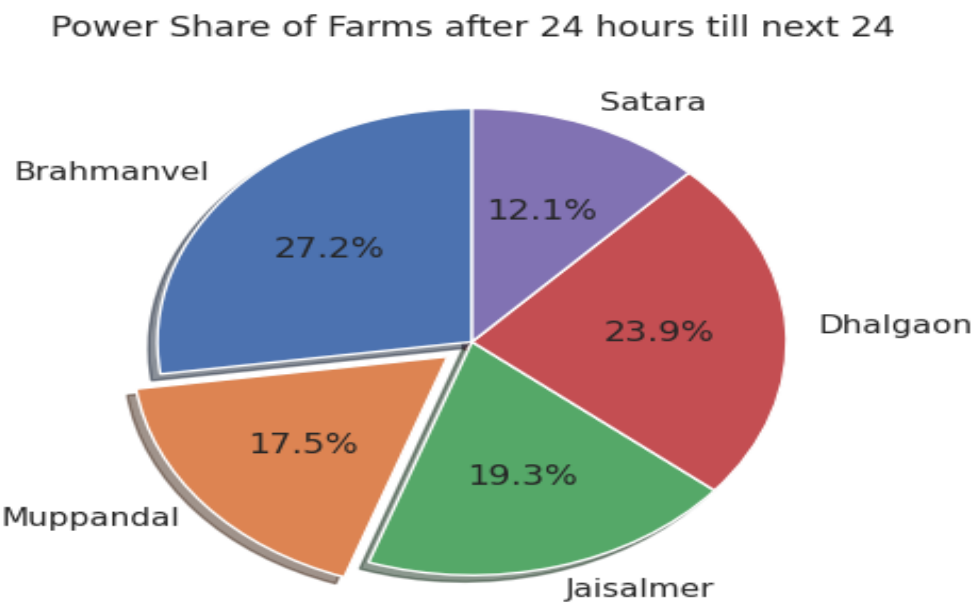
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	253.1	44.4	313.45	524.13	59.4
01:30:00	280.73	82.41	268.49	550.7	36.9
02:30:00	226.37	155.34	241.04	526.35	35.2
03:30:00	101.77	135.52	183.45	443.89	46.55
04:30:00	72.22	163.86	200.76	525.97	51.84
05:30:00	72.65	261.21	196.36	745.08	41.54
06:30:00	85.47	358.61	168.72	520.3	80.31
07:30:00	142.61	421.12	372.85	434.83	56.03
08:30:00	151.92	339.07	510.98	683.06	90.44
09:30:00	139.07	134.25	430.42	790.37	230.12
10:30:00	128.96	174.28	441.65	454.71	114.86
11:30:00	146.21	166.26	485.18	393.21	203.25
12:30:00	189.92	142.91	591.55	365.7	219.75
13:30:00	215.21	118.55	808.95	365.7	322.68
14:30:00	209.76	98.13	861.13	355.88	309.23
15:30:00	221.43	60.51	862.65	525.97	237.6
16:30:00	234.08	136.65	833.16	648.61	299.07
17:30:00	206.1	164.75	913.25	622.17	253.7
18:30:00	95.99	82.81	646.56	476.7	98.67
19:30:00	151.9	12.66	529.33	286.74	55.27
20:30:00	129.3	49.98	450.38	388.92	26.4
21:30:00	136.61	119.28	375.81	419.27	26.4

Power Share:

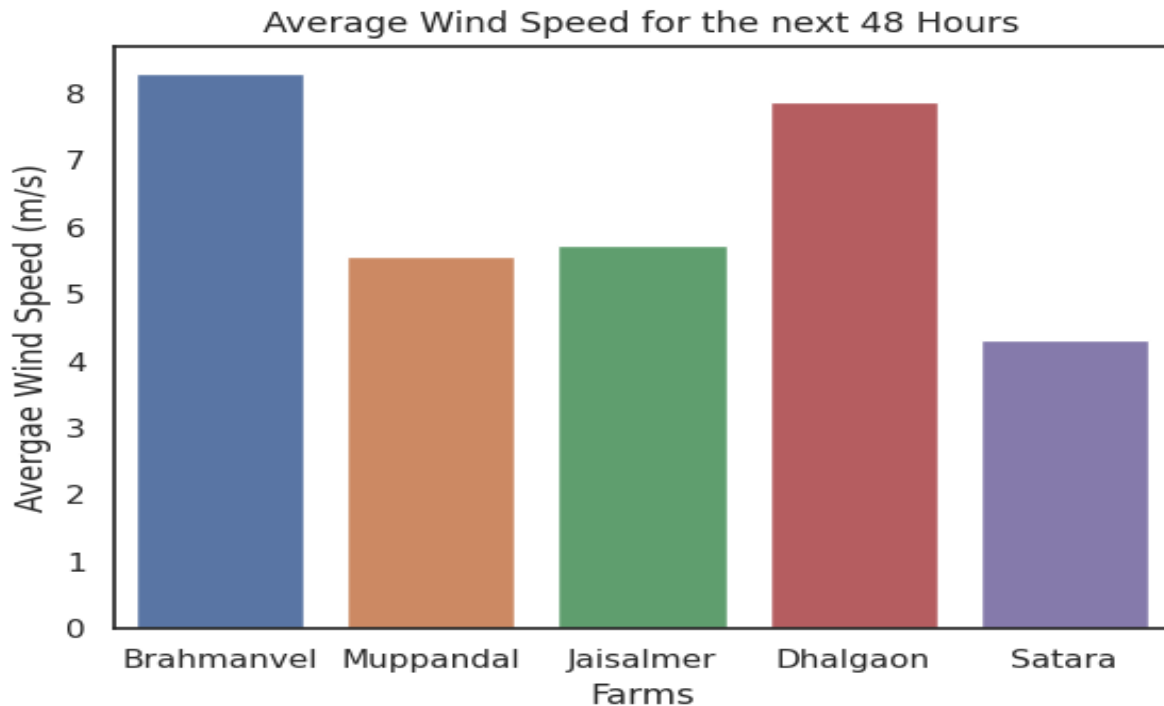


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

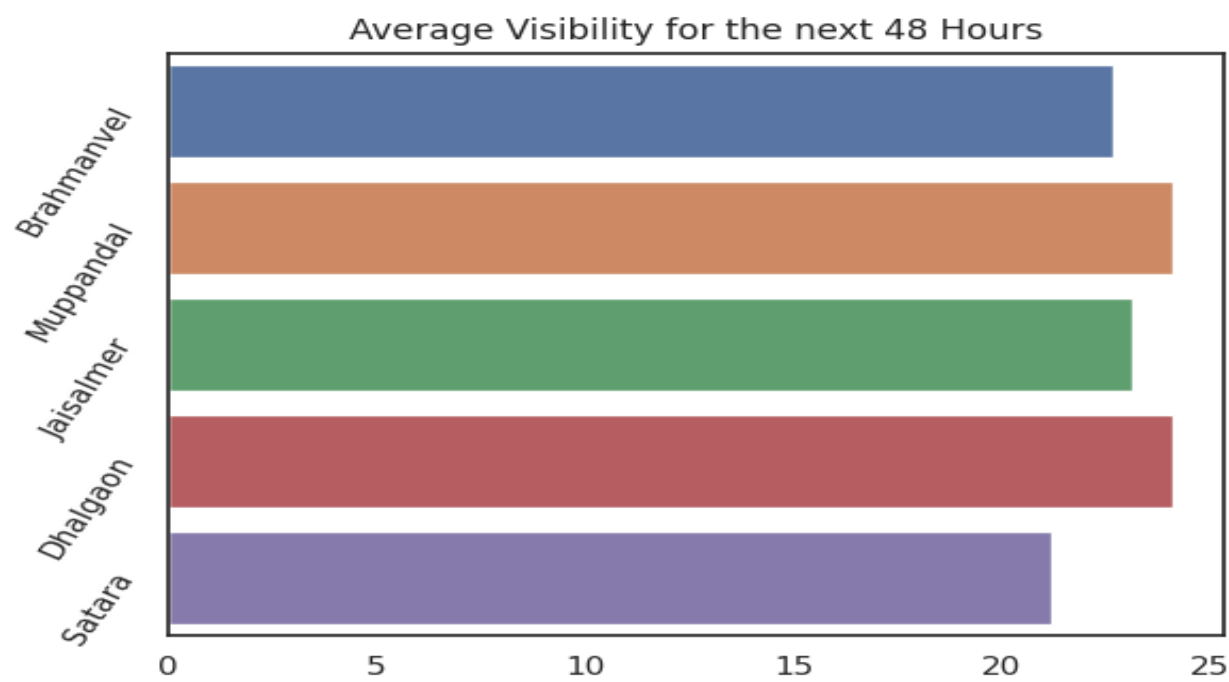


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

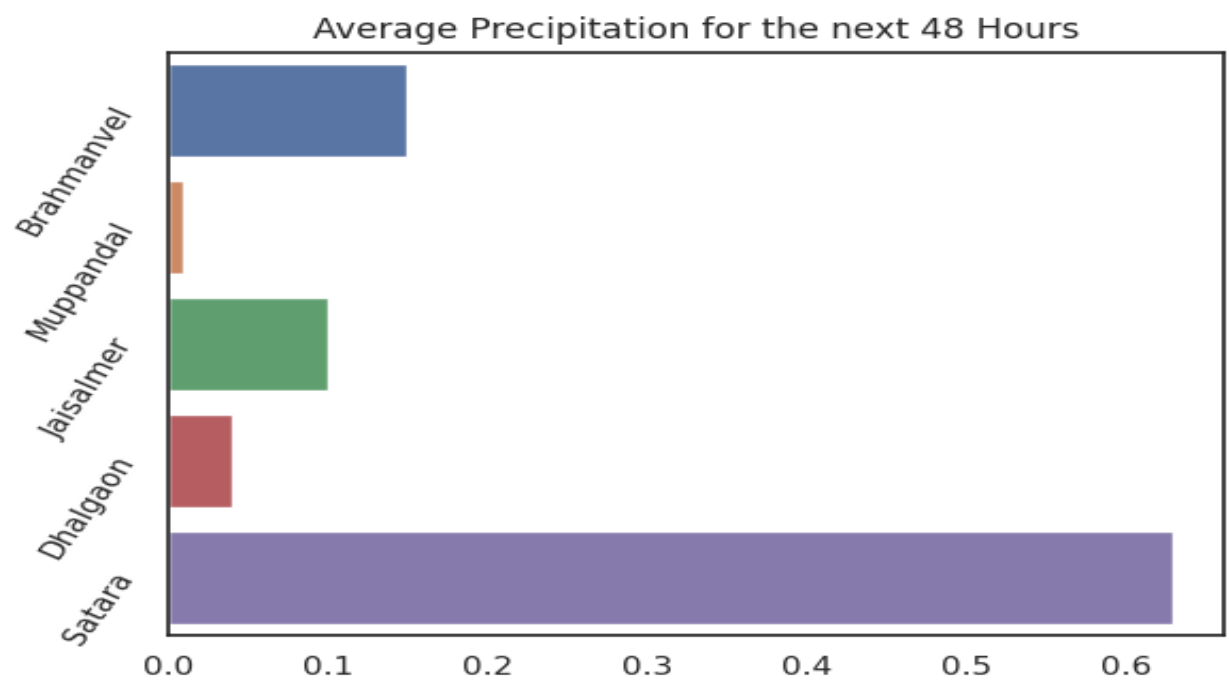
### Weather Description:

- > *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*

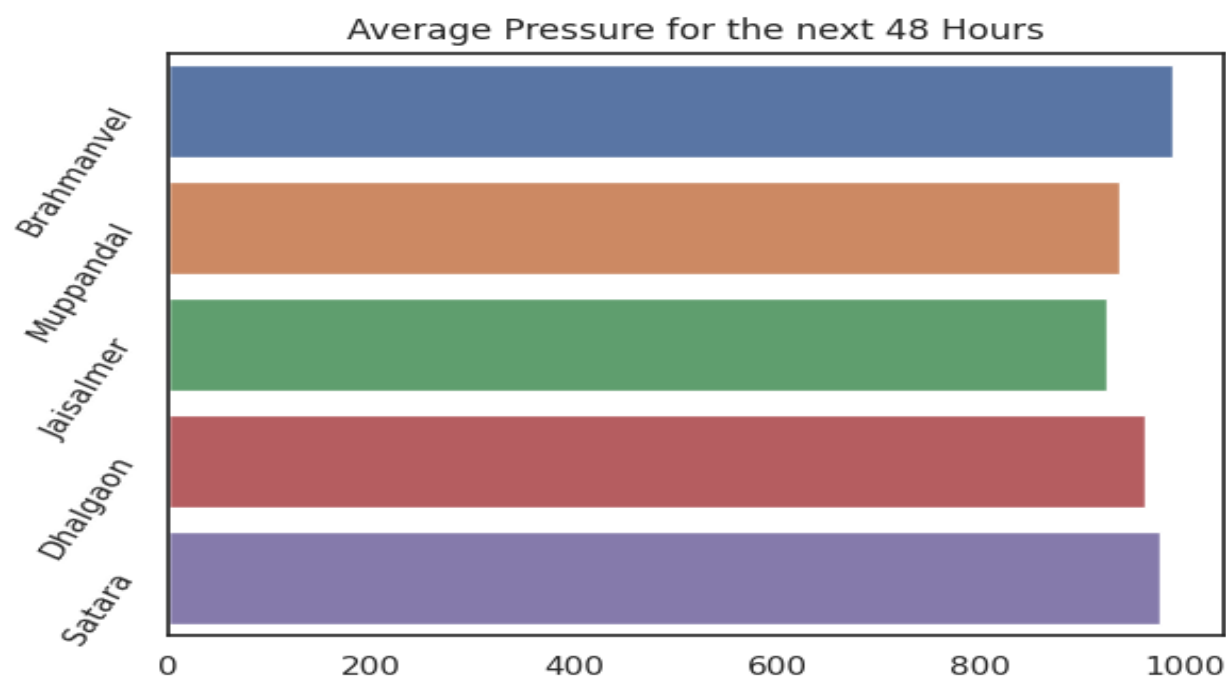
Visibility:



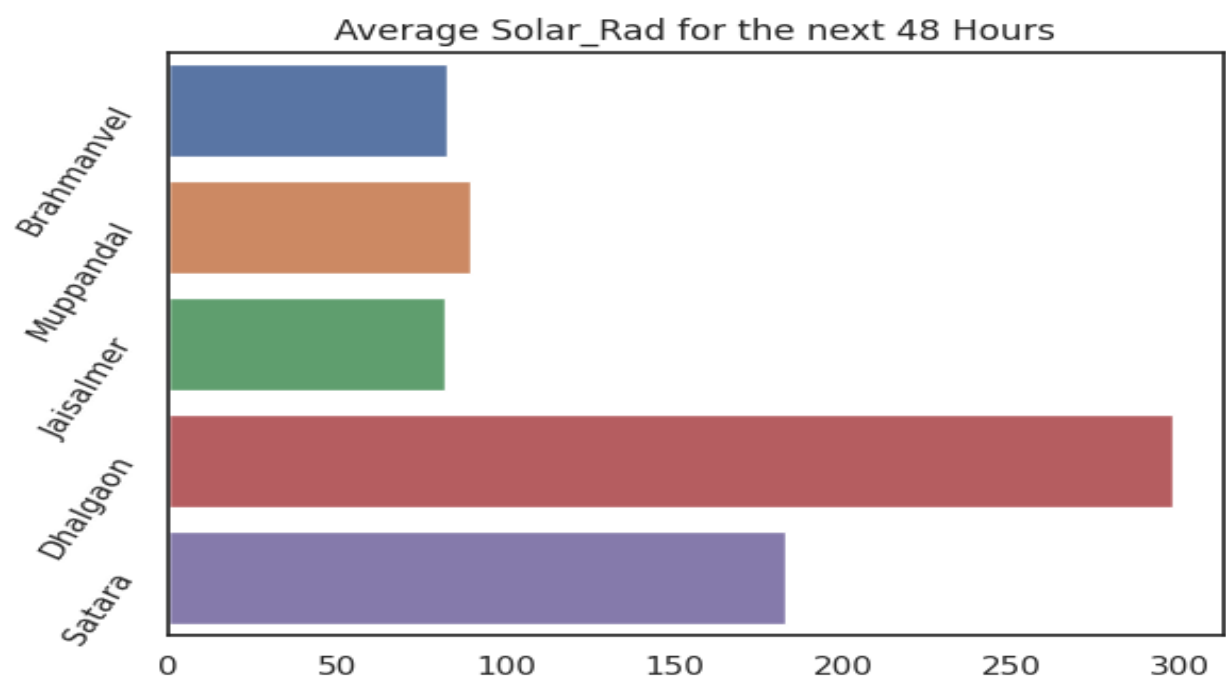
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-08 is 01:30:00 to 02:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-08-09 is 15:30:00 to 16:30:00

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-08 is 09:30:00 to 10:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-09 is 16:30:00 to 17:30:00

### *Satara*

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

>>The Best time to extract Energy from Satara farm on 2020-08-09 is 14:30:00 to 15:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-08 is 17:30:00 to 18:30:00

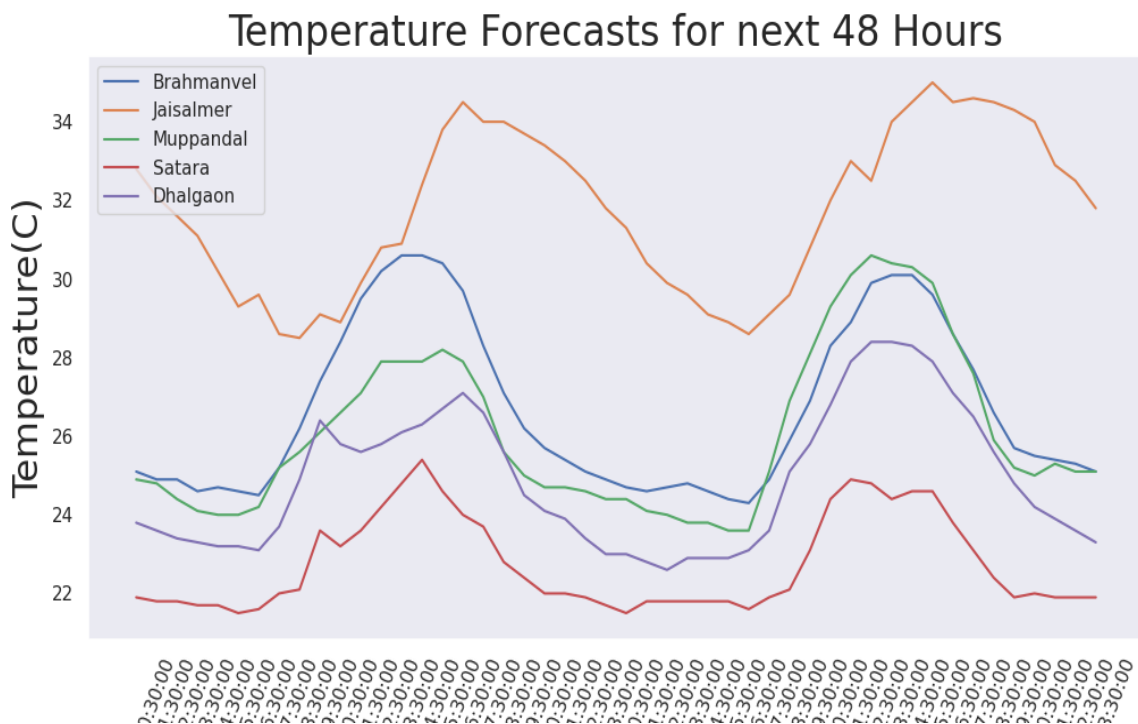
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-09 is 15:30:00 to 16:30:00

### *Jaisalmer*

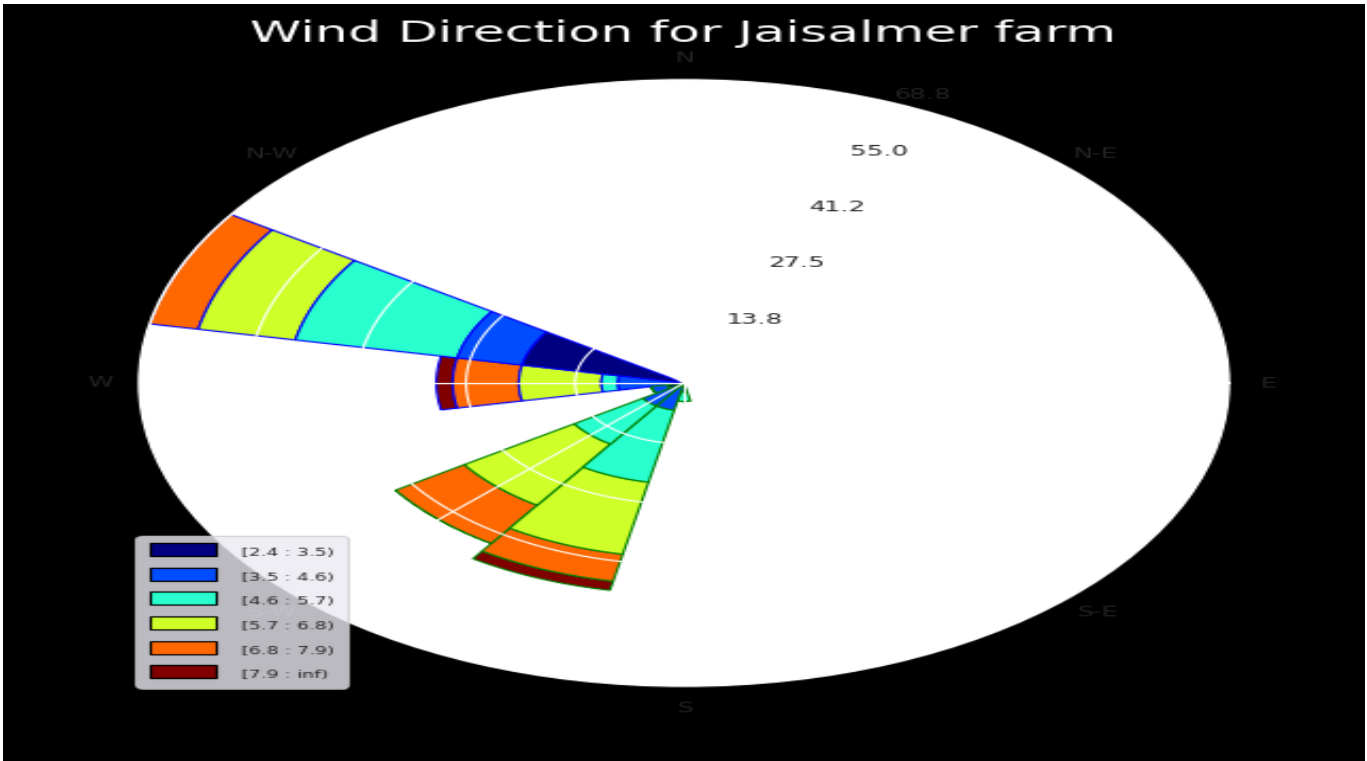
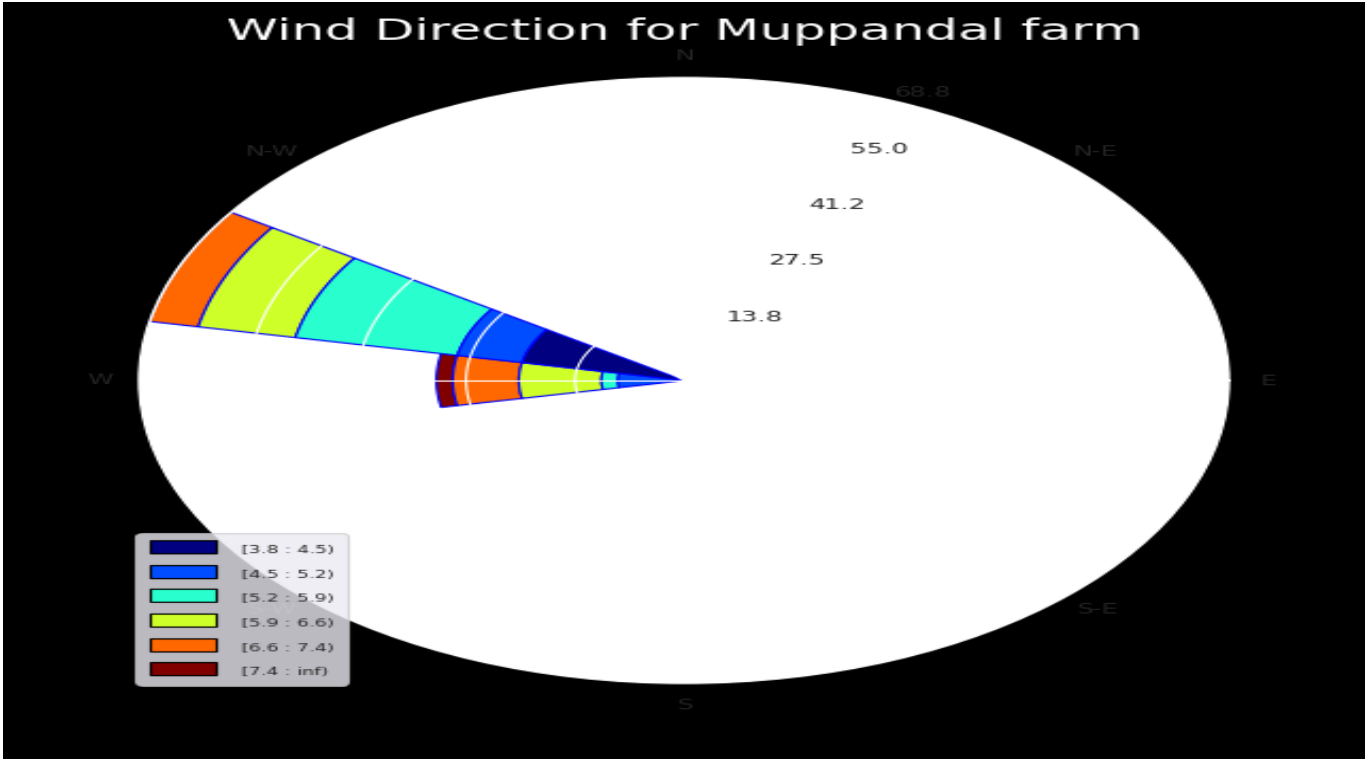
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-08 is 07:30:00 to 08:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-09 is 11:30:00 to 12:30:00

## Temperature at Farms (Next 48 hours):

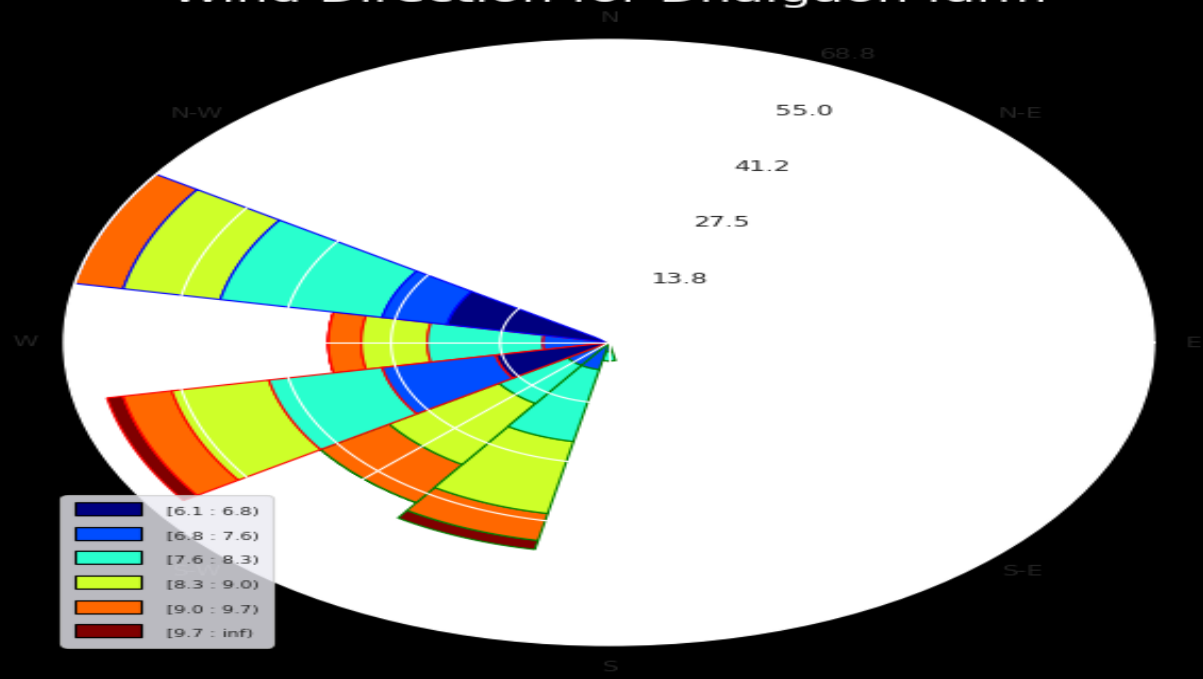


WIND DIRECTIONS FOR THE FARMS:

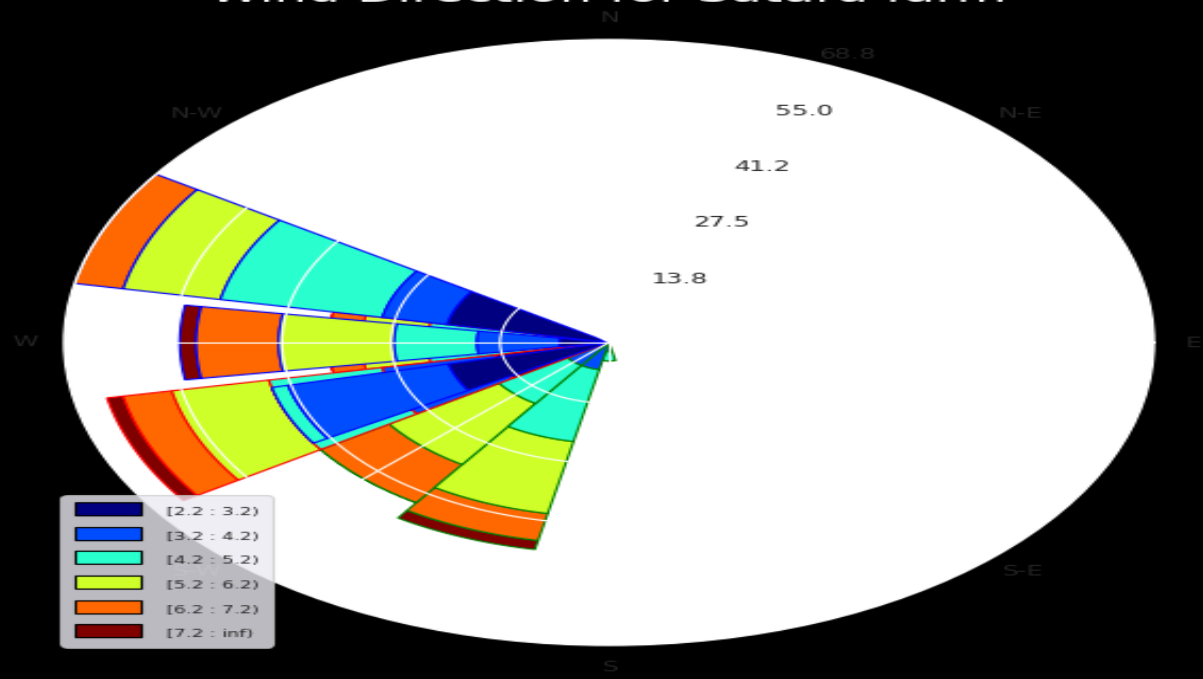




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

