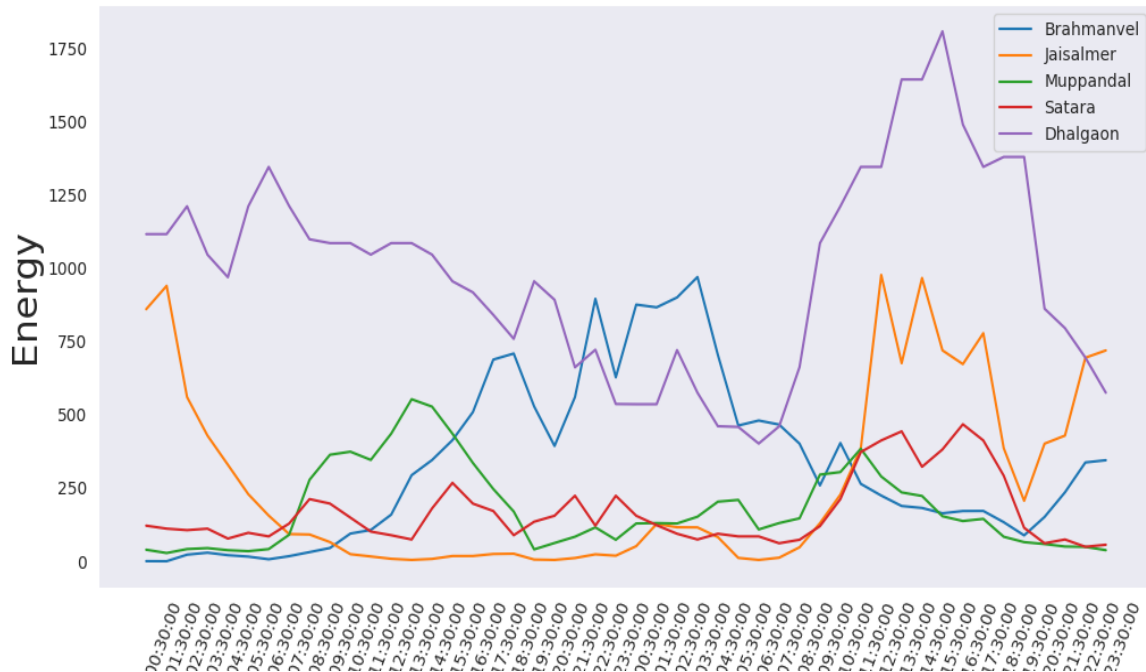


# POWER FORECAST REPORT

## 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 2020-08-05 00:30:00 is 4796.52 Watt and in 48 hours from 2020-08-05 00:30:00 is 8644.72 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-05 00:30:00 is 24002.14 Watt and in 48 hours from 2020-08-05 00:30:00 is 47419.82 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-08-05 00:30:00 is 3422.61 Watt and in 48 hours from 2020-08-05 00:30:00 is 8057.34 Watt.

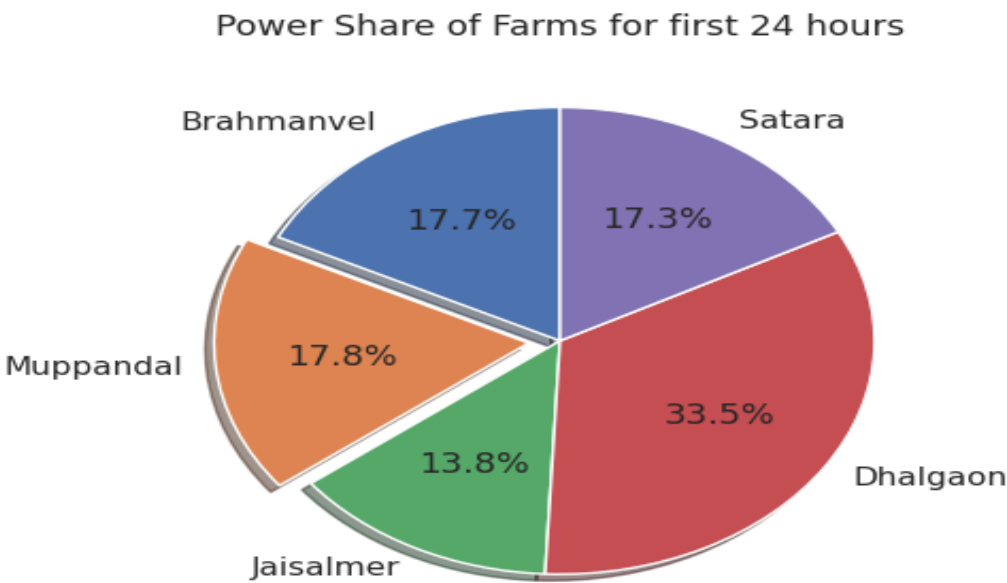
>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-05 00:30:00 is 6512.12 Watt and in 48 hours from 2020-08-05 00:30:00 is 15955.58 Watt.

>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-05 00:30:00 is 3963.26 Watt  
and in 48 hours from 2020-08-05 00:30:00 is 12900.0 Watt.

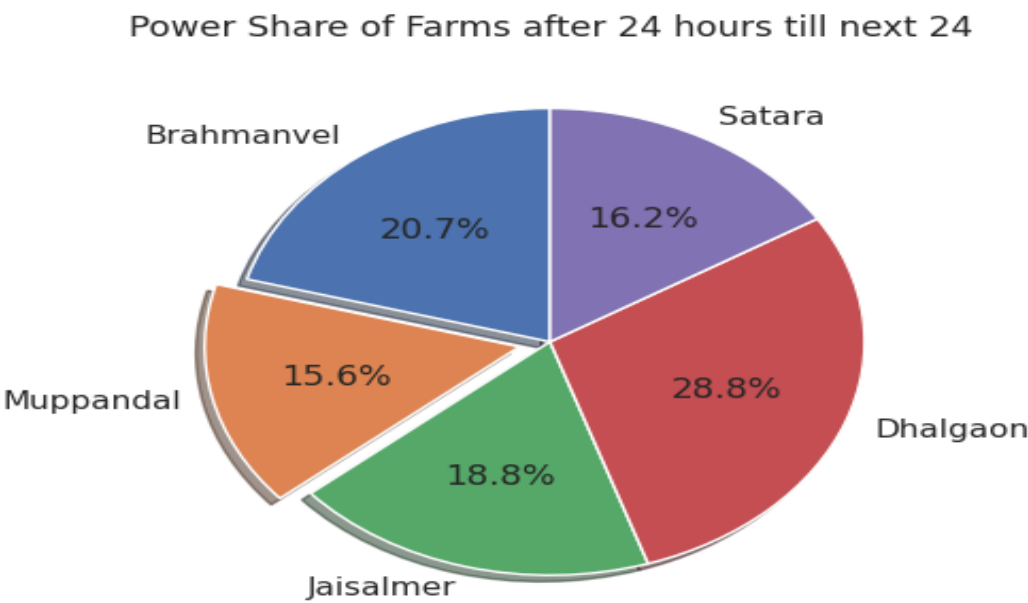
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	39.27	860.14	0.29	1116.28	121.37
01:30:00	28.04	939.79	0.03	1116.28	111.21
02:30:00	41.54	560.23	22.41	1211.29	106.08
03:30:00	44.84	428.85	29.18	1046.24	111.13
04:30:00	37.69	329.25	20.68	969.21	77.35
05:30:00	34.33	228.78	15.8	1211.29	97.06
06:30:00	41.44	155.73	6.67	1345.65	84.73
07:30:00	90.42	92.75	17.34	1212.22	128.6
08:30:00	277.97	91.26	31.1	1098.58	212.06
09:30:00	363.4	65.34	45.19	1085.57	196.7
10:30:00	373.85	24.07	94.41	1085.57	148.87
11:30:00	345.84	16.31	106.68	1046.24	101.26
12:30:00	435.44	8.32	159.11	1085.57	88.72
13:30:00	552.85	4.51	293.66	1085.57	74.2
14:30:00	527.56	7.92	345.39	1046.24	180.24
15:30:00	435.21	17.84	413.31	955.32	267.54
16:30:00	335.45	17.93	508.87	917.58	196.7
17:30:00	246.5	24.75	688.13	840.79	171.42
18:30:00	169.71	25.65	708.77	759.06	88.72
19:30:00	40.39	5.8	528.24	955.32	134.86
20:30:00	62.23	4.48	393.4	892.12	155.21
21:30:00	83.68	11.01	560.15	661.78	223.6

Power Share:

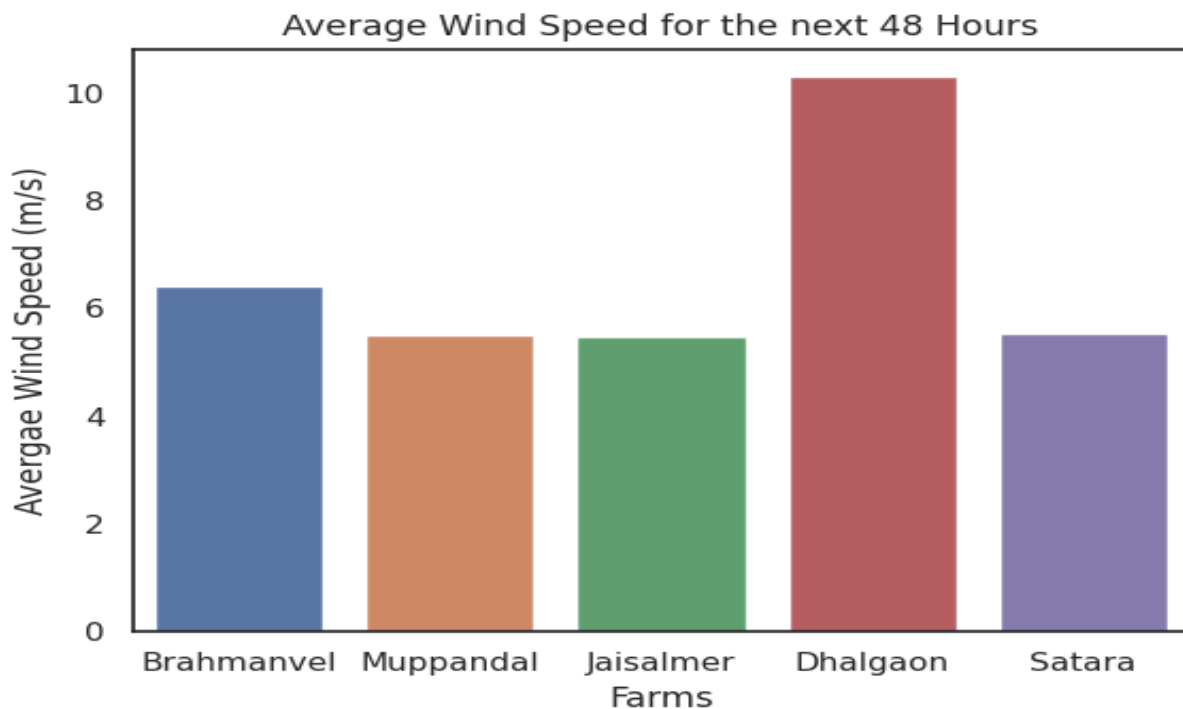


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

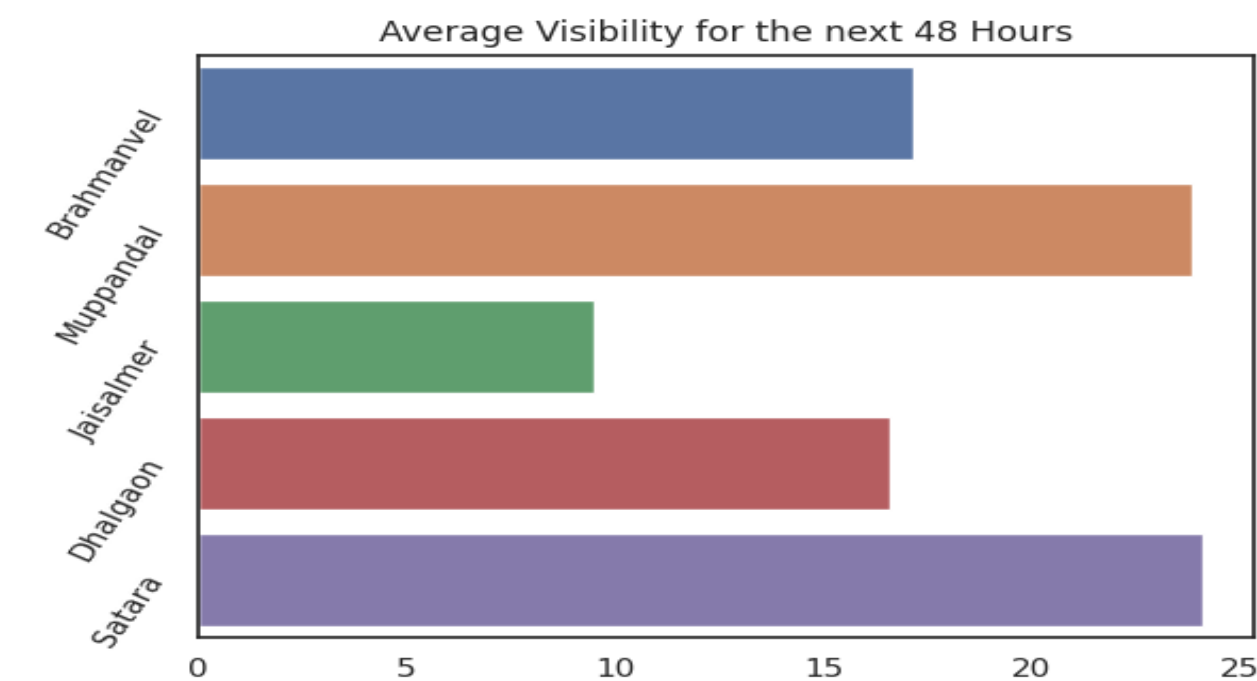


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

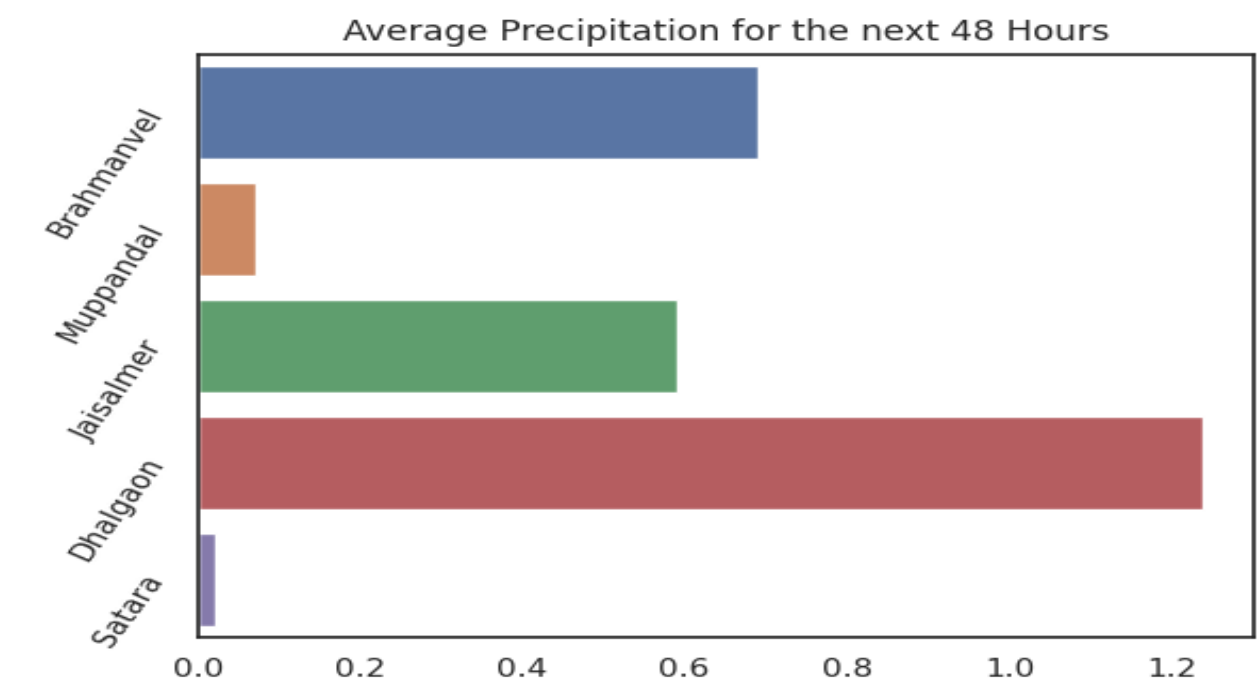
### Weather Description:

- > *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*

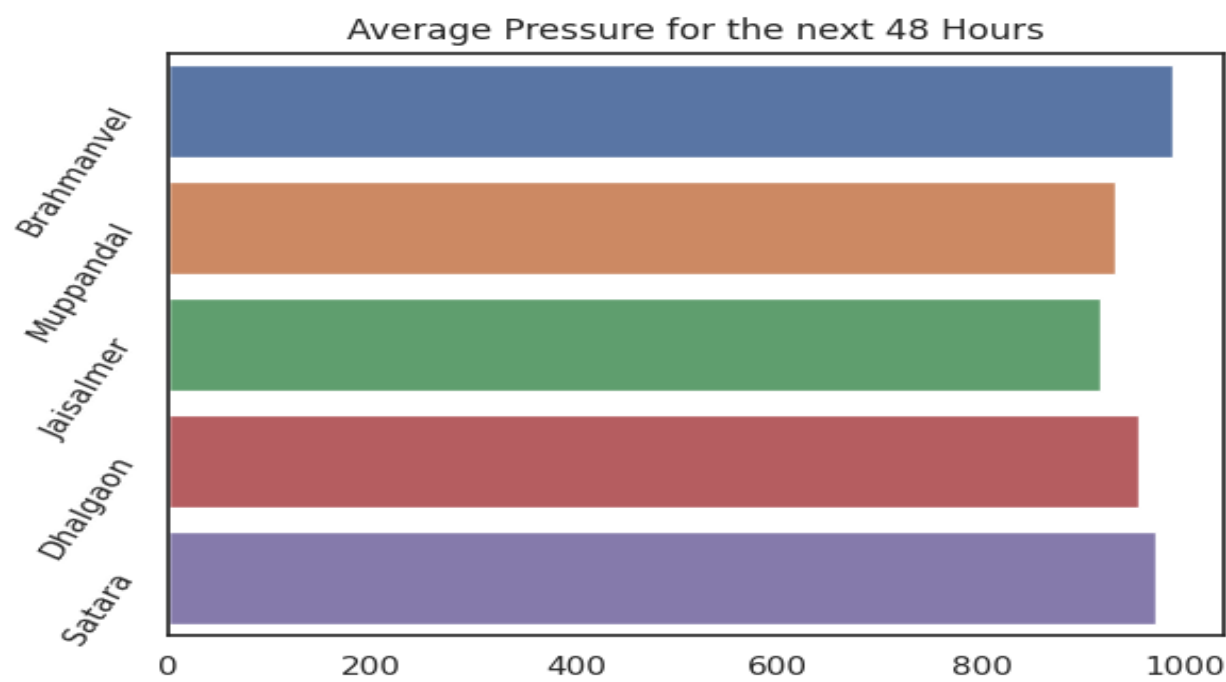
Visibility:



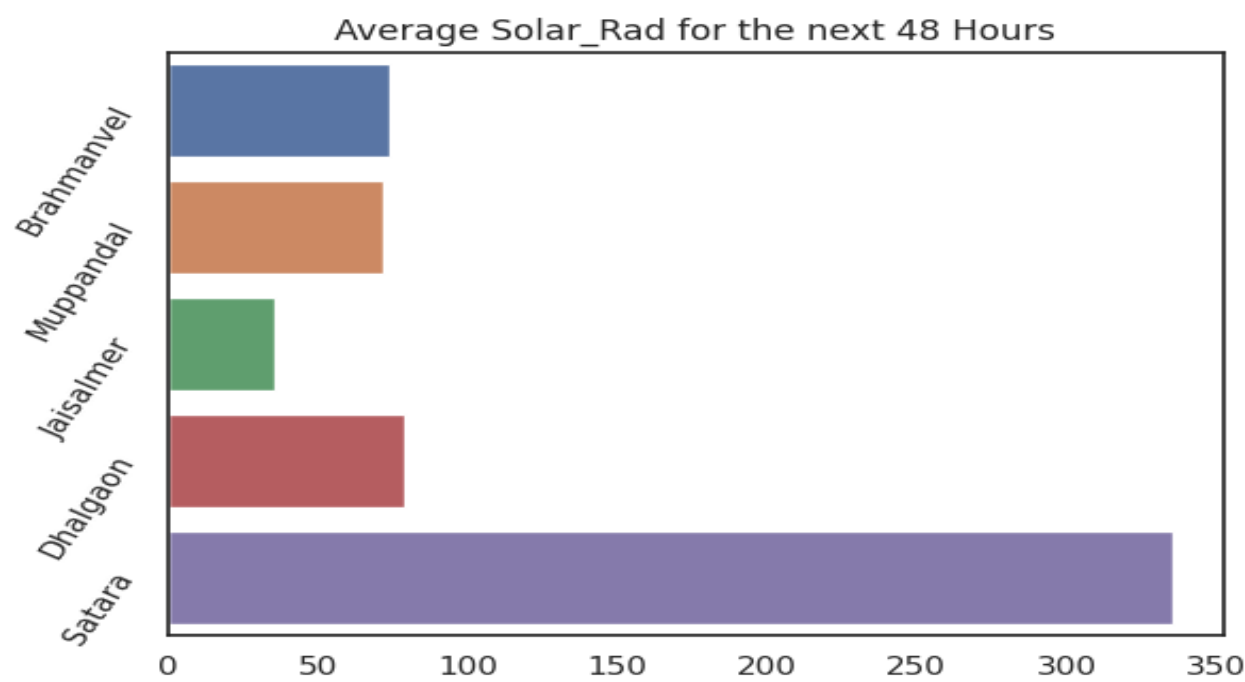
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-05 is 13:30:00 to 14:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-08-06 is 11:30:00 to 12:30:00

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-05 is 06:30:00 to 07:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-06 is 15:30:00 to 16:30:00

### *Satara*

>>The Best time to extract Energy from Satara farm on 2020-08-05 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Satara farm on 2020-08-06 is 16:30:00 to 17:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-05 is 22:30:00 to 23:30:00

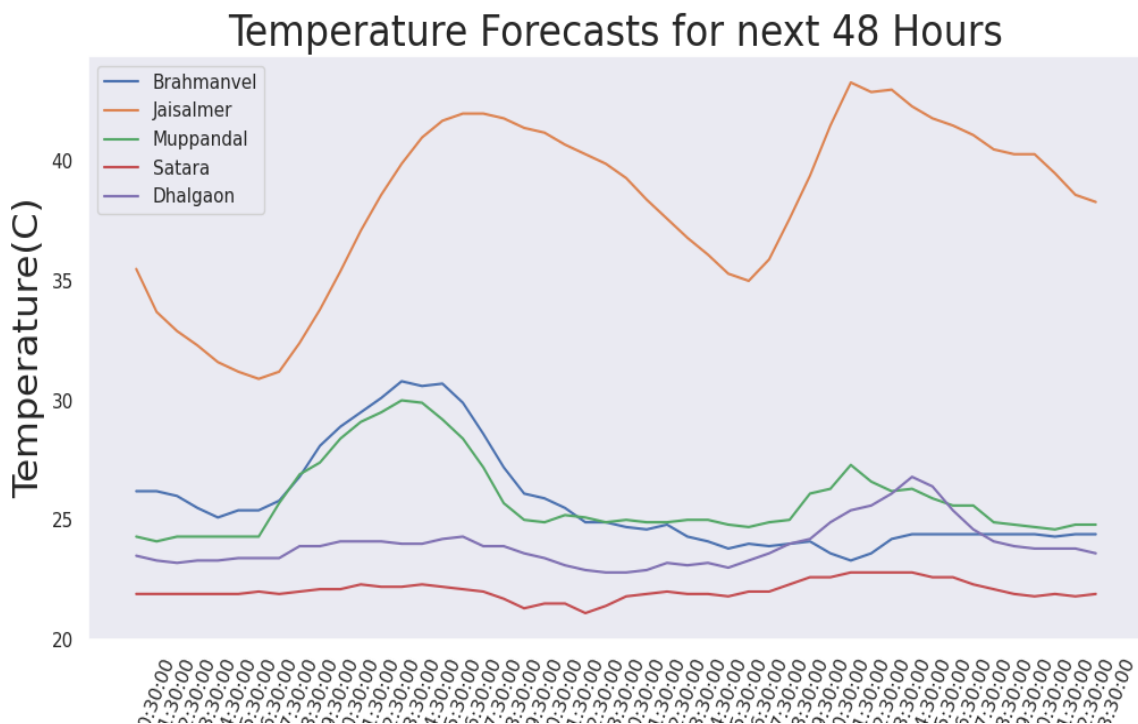
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-06 is 03:30:00 to 04:30:00

### *Jaisalmer*

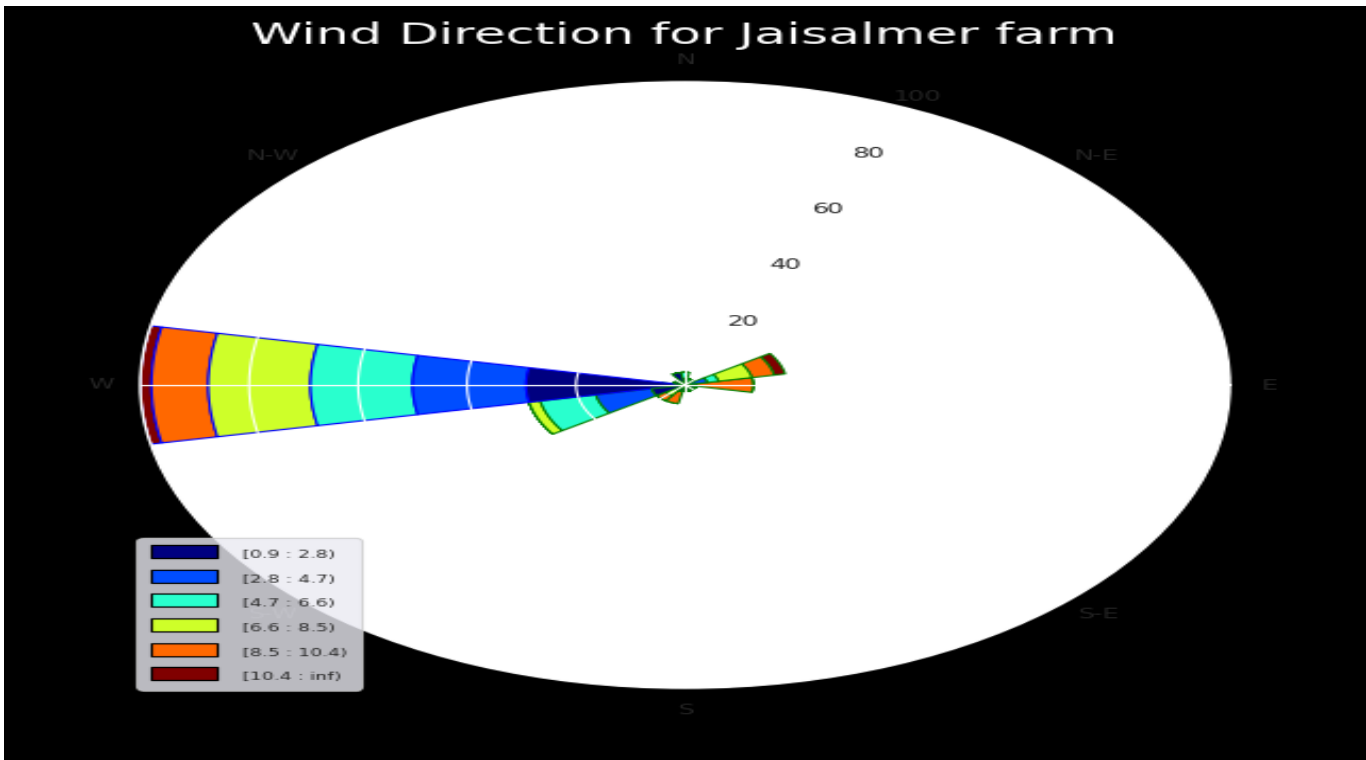
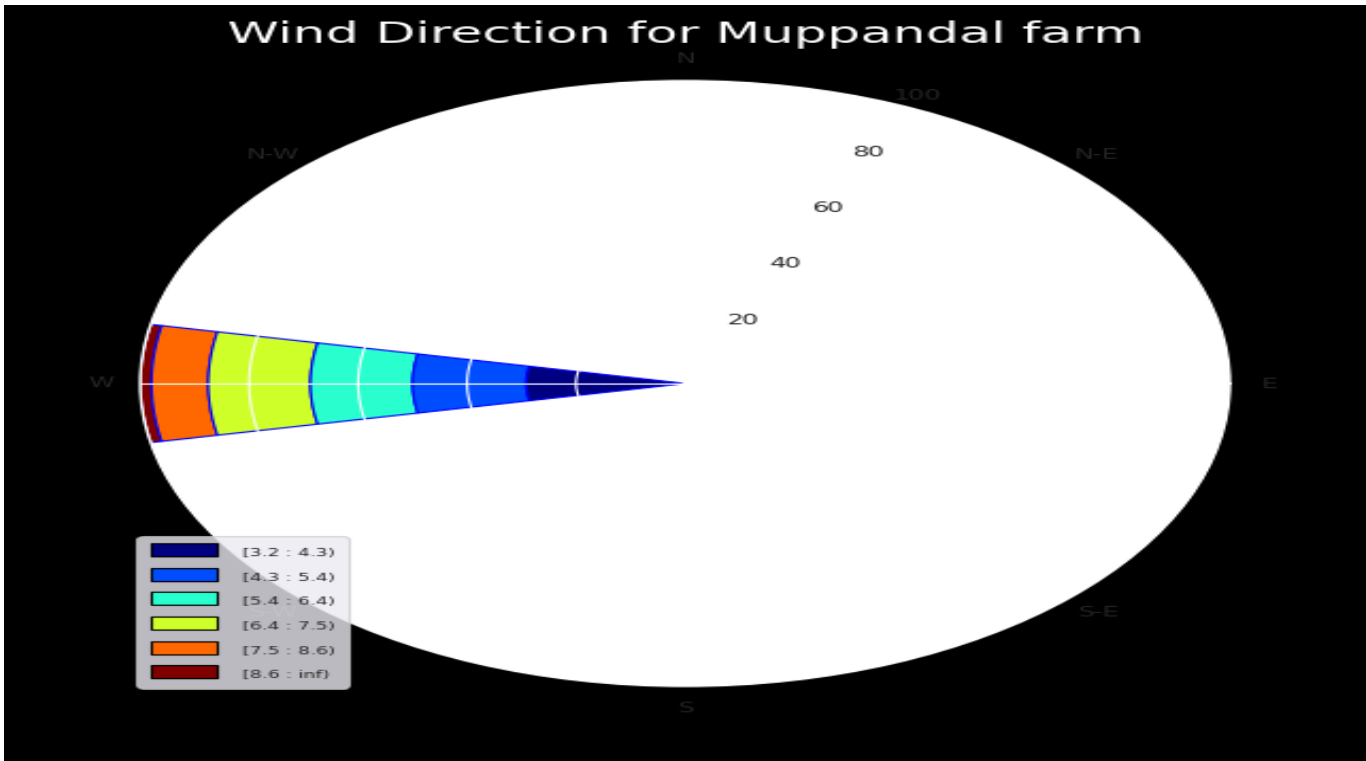
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-05 is 01:30:00 to 02:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-06 is 12:30:00 to 13:30:00

## Temperature at Farms (Next 48 hours):

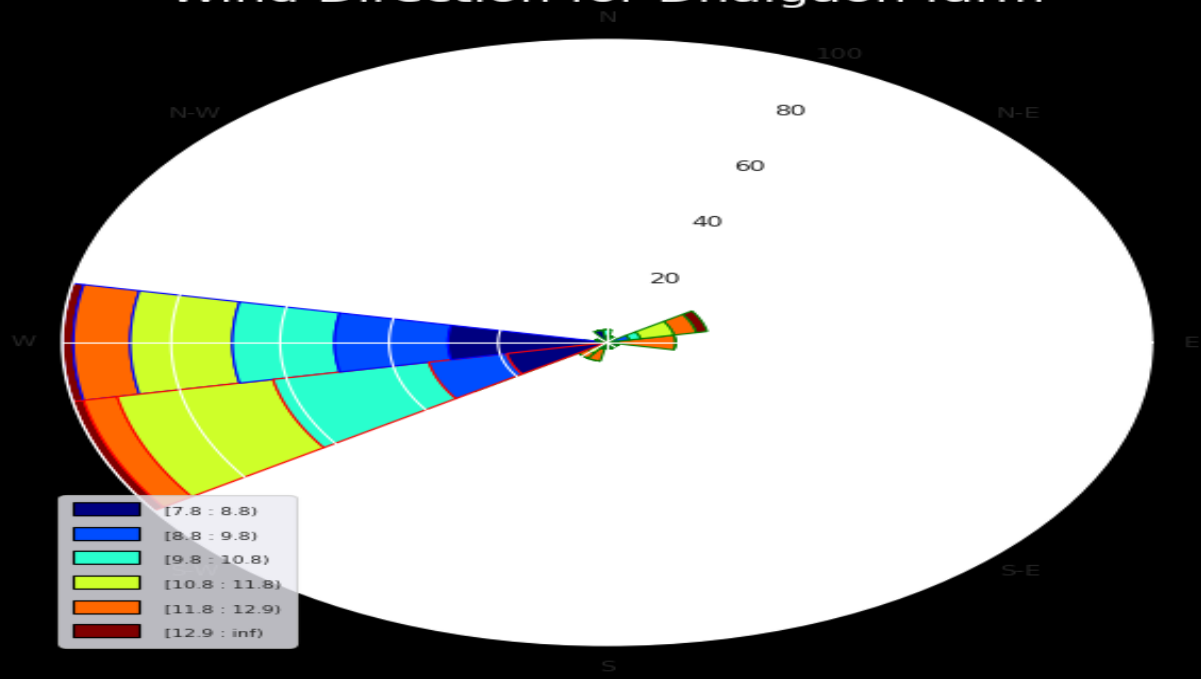


WIND DIRECTIONS FOR THE FARMS:

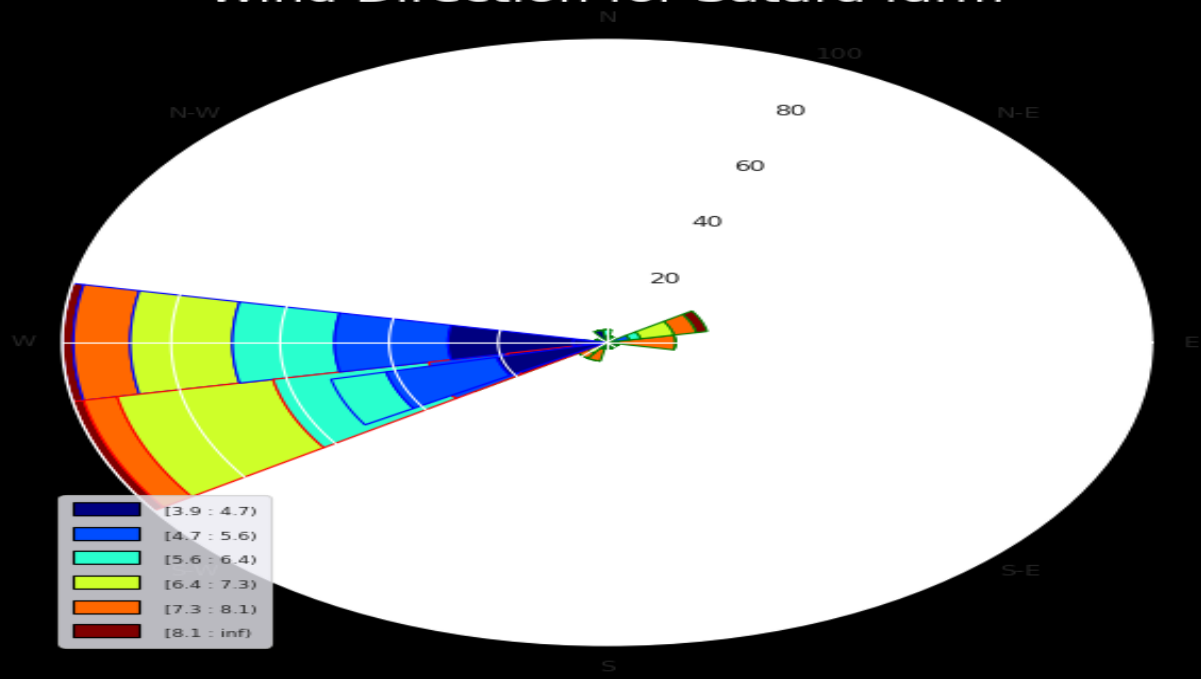




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

