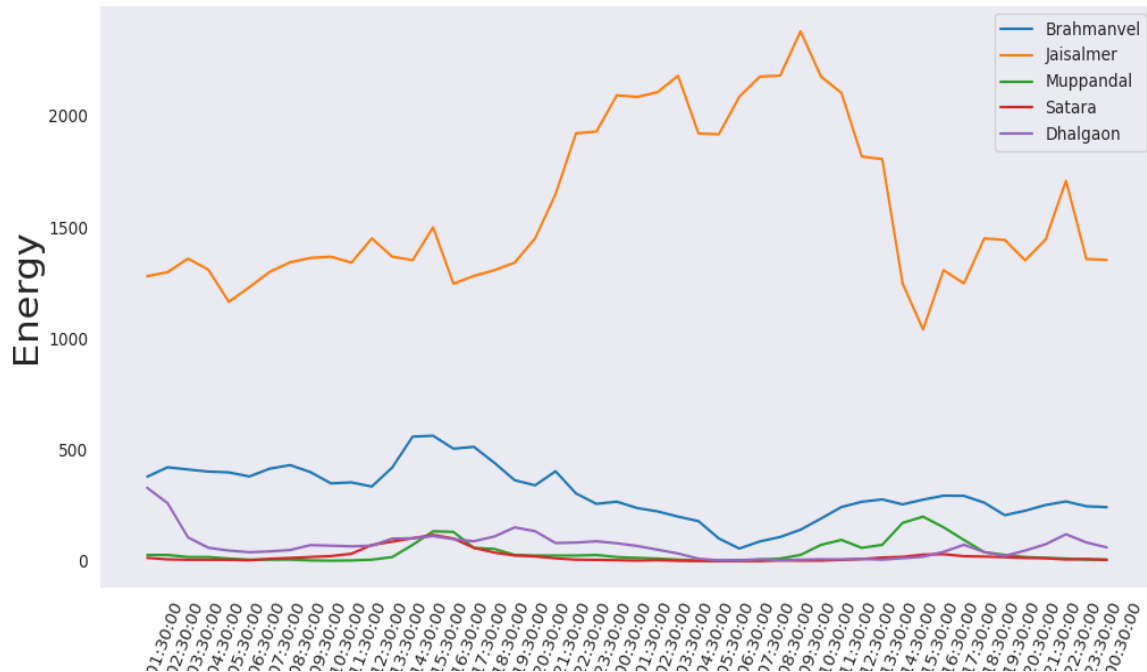


# POWER FORECAST REPORT

## 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 2020-07-20 01:30:00 is 766.79 Watt and in 48 hours from 2020-07-20 01:30:00 is 1909.2 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-07-20 01:30:00 is 2455.89 Watt and in 48 hours from 2020-07-20 01:30:00 is 3288.47 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-07-20 01:30:00 is 807.24 Watt and in 48 hours from 2020-07-20 01:30:00 is 1054.43 Watt.

>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-07-20 01:30:00 is 9617.96 Watt and in 48 hours from 2020-07-20 01:30:00 is 14760.39 Watt.

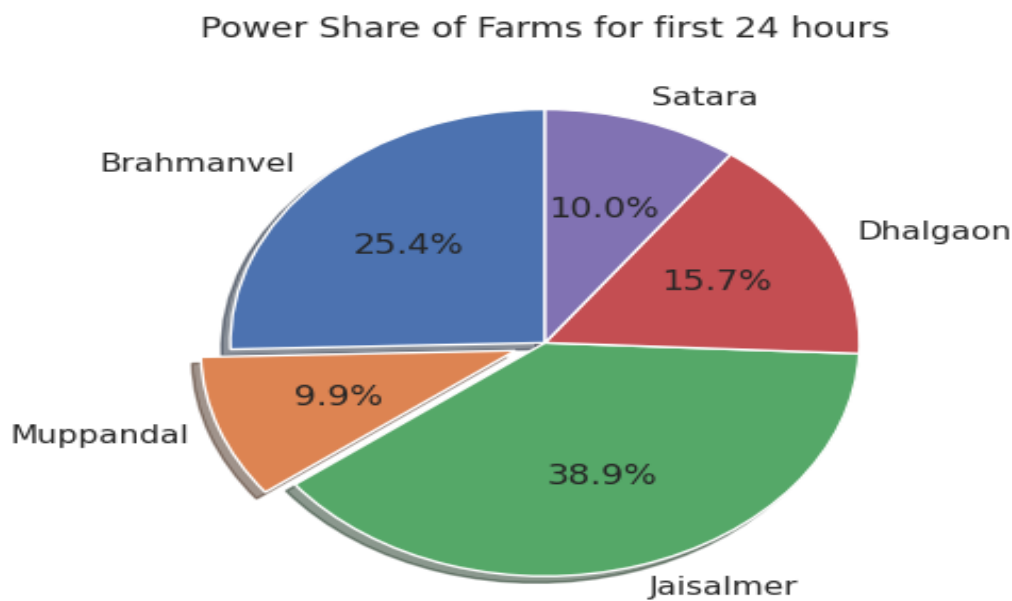
>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-07-20 01:30:00 is 34216.01

Watt and in 48 hours from 2020-07-20 01:30:00 is 76072.08 Watt.

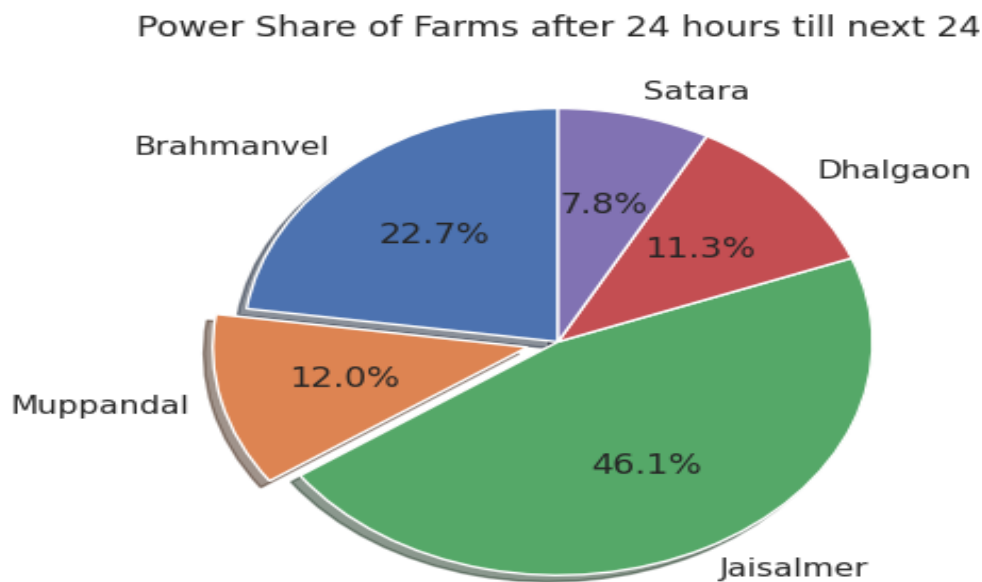
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
01:30:00	27.94	1279.1	379.43	329.33	14.88
02:30:00	28.01	1297.21	421.6	260.35	8.26
03:30:00	18.8	1358.11	411.66	106.77	6.35
04:30:00	18.71	1307.5	402.21	60.3	6.45
05:30:00	11.96	1163.77	398.7	47.74	6.07
06:30:00	6.97	1229.61	380.27	40.38	4.04
07:30:00	6.9	1298.73	415.32	43.94	10.73
08:30:00	7.34	1341.68	431.34	50.23	14.63
09:30:00	3.53	1361.12	399.71	72.3	18.96
10:30:00	2.46	1366.48	349.35	69.58	23.07
11:30:00	3.51	1339.85	353.69	66.81	33.39
12:30:00	6.89	1448.83	335.08	69.58	72.94
13:30:00	18.62	1366.69	420.45	101.5	87.96
14:30:00	73.34	1351.04	559.15	103.07	103.07
15:30:00	134.32	1498.44	563.11	112.6	117.98
16:30:00	131.51	1245.53	505.0	99.13	101.68
17:30:00	59.85	1280.26	513.27	89.61	60.3
18:30:00	55.13	1305.88	441.89	110.97	38.78
19:30:00	28.11	1340.34	363.43	151.75	25.61
20:30:00	25.46	1449.12	340.65	134.58	21.74
21:30:00	25.39	1647.36	403.82	81.61	12.93
22:30:00	25.39	1920.4	304.34	83.67	6.84

Power Share:

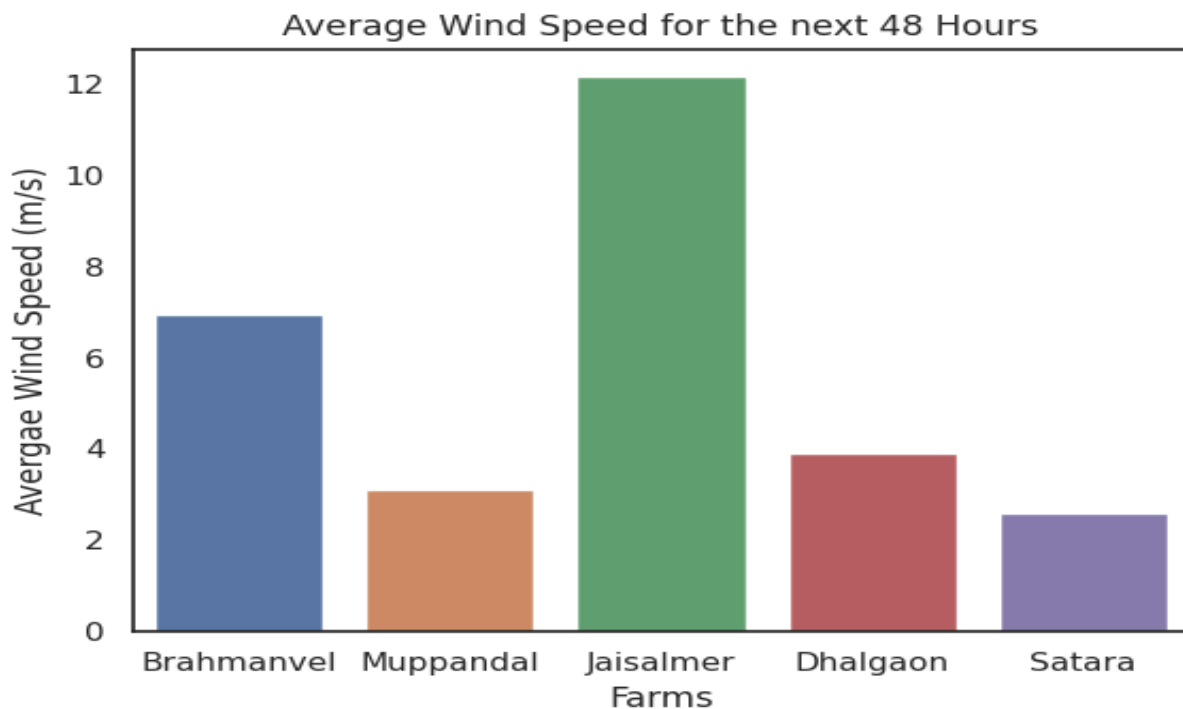


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

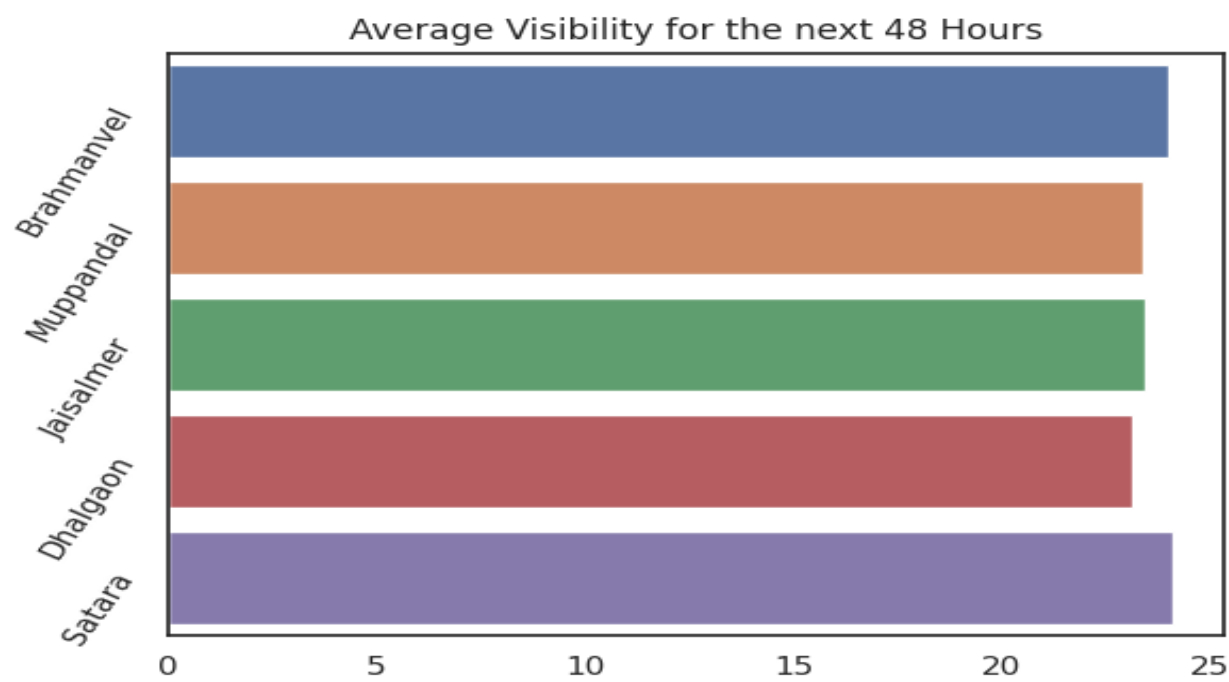


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

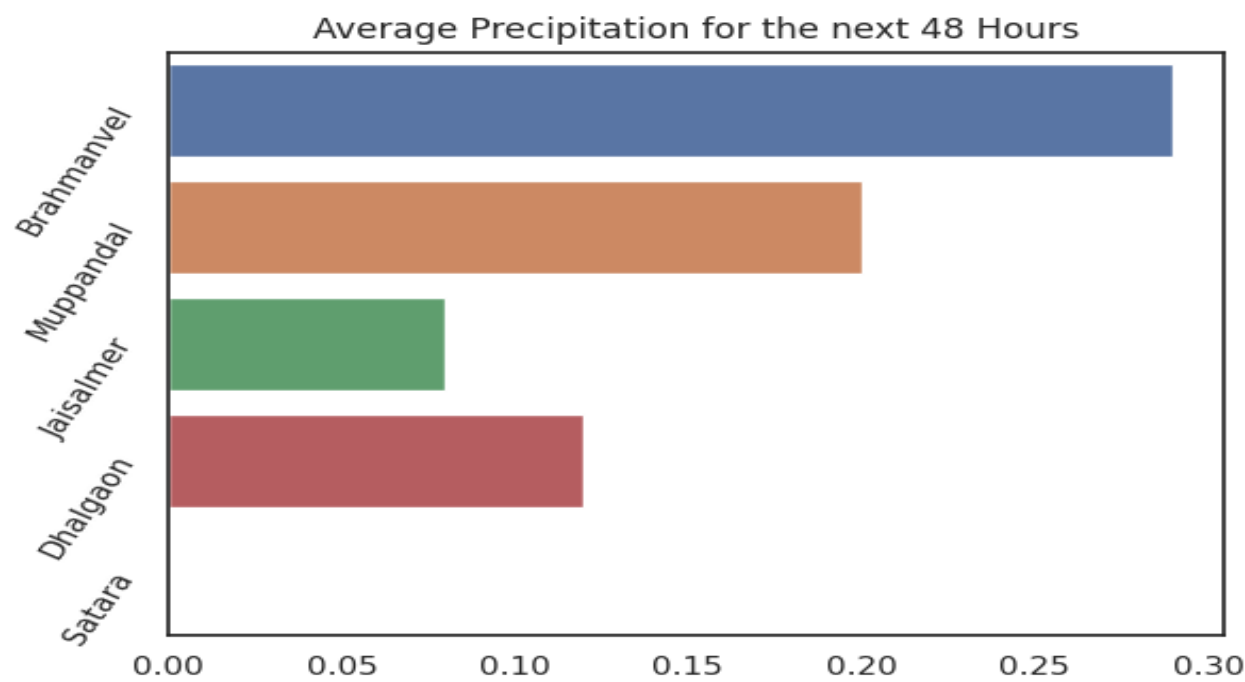
### Weather Description:

- > *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*

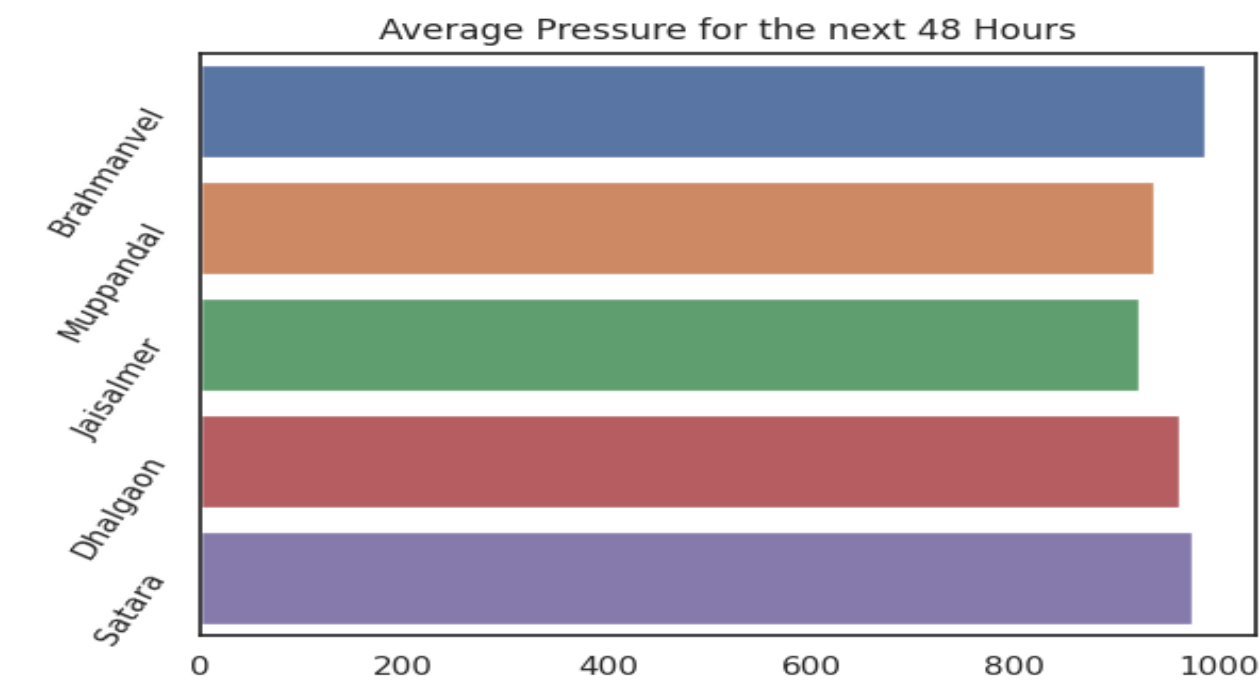
Visibility:



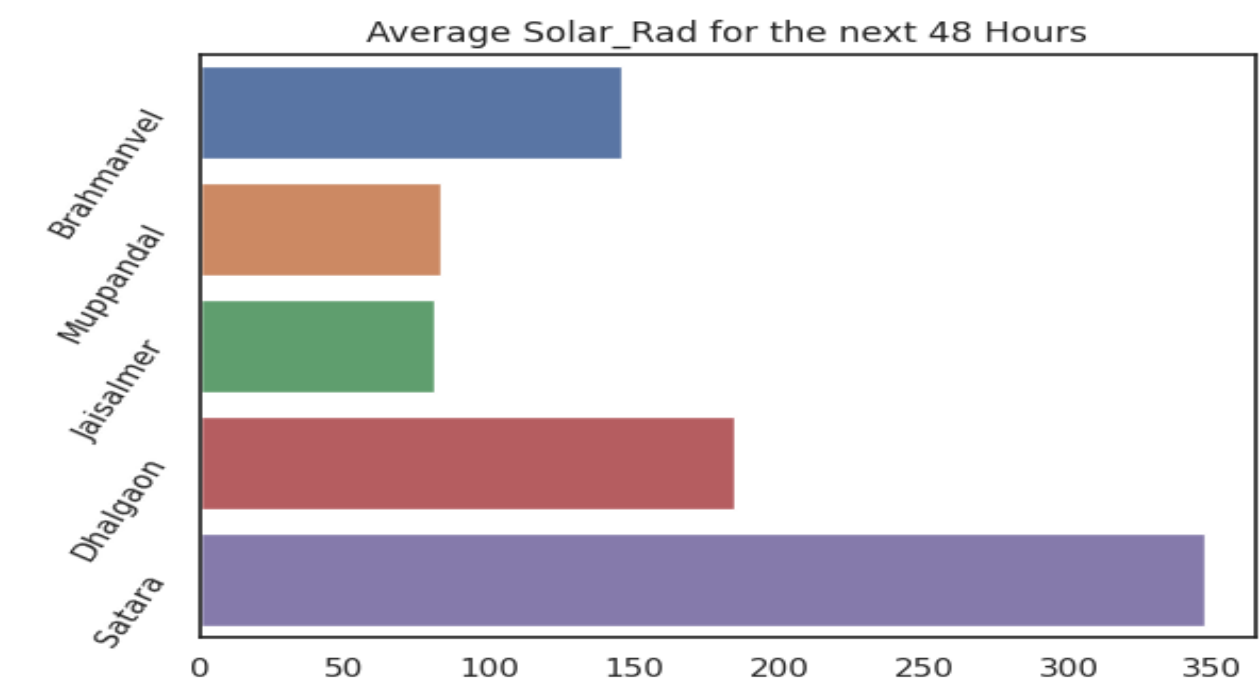
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-07-20 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-07-21 is 15:30:00 to 16:30:00

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-07-20 is 01:30:00 to 02:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-07-21 is 22:30:00 to 23:30:00

### *Satara*

>>The Best time to extract Energy from Satara farm on 2020-07-20 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Satara farm on 2020-07-21 is 16:30:00 to 17:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-07-20 is 15:30:00 to 16:30:00

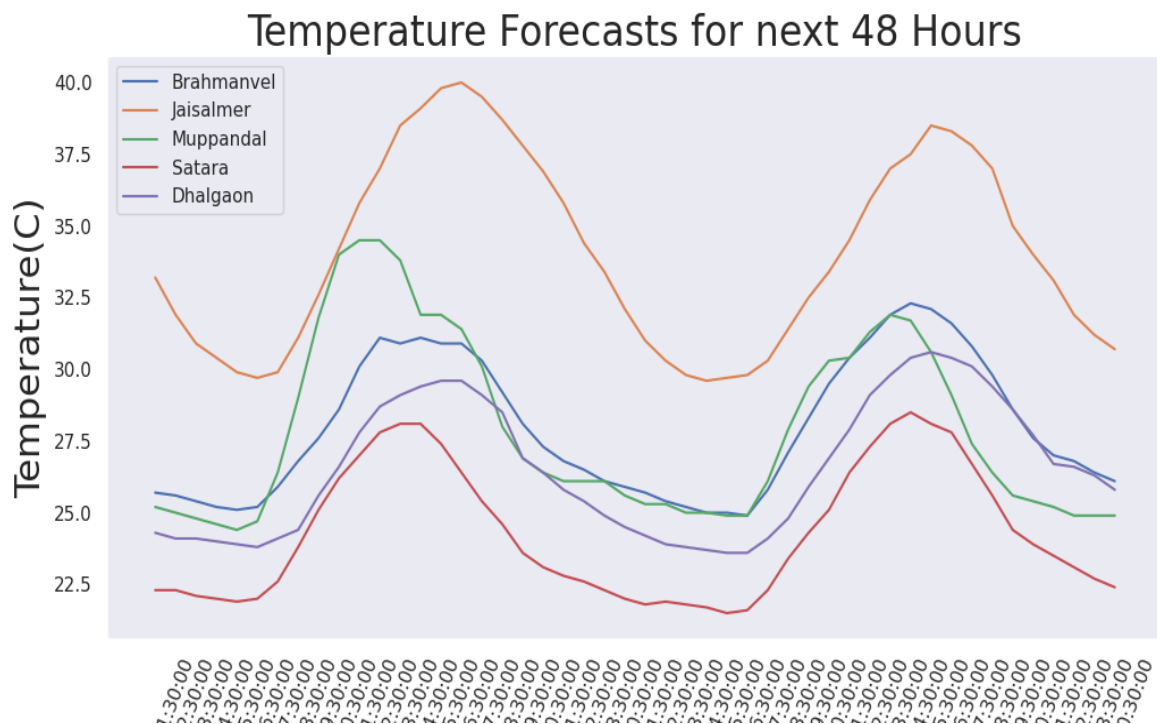
>>The Best time to extract Energy from Brahmanvel farm on 2020-07-21 is 16:30:00 to 17:30:00

### *Jaisalmer*

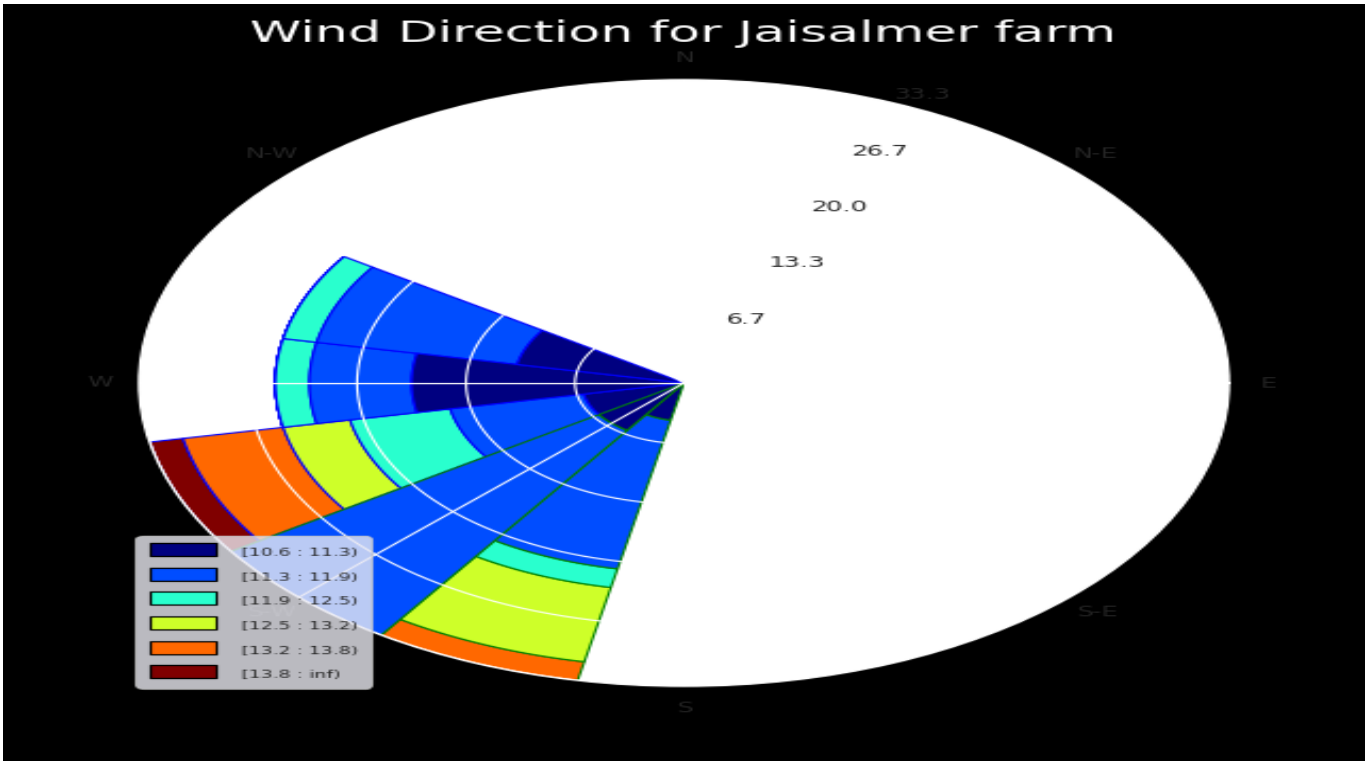
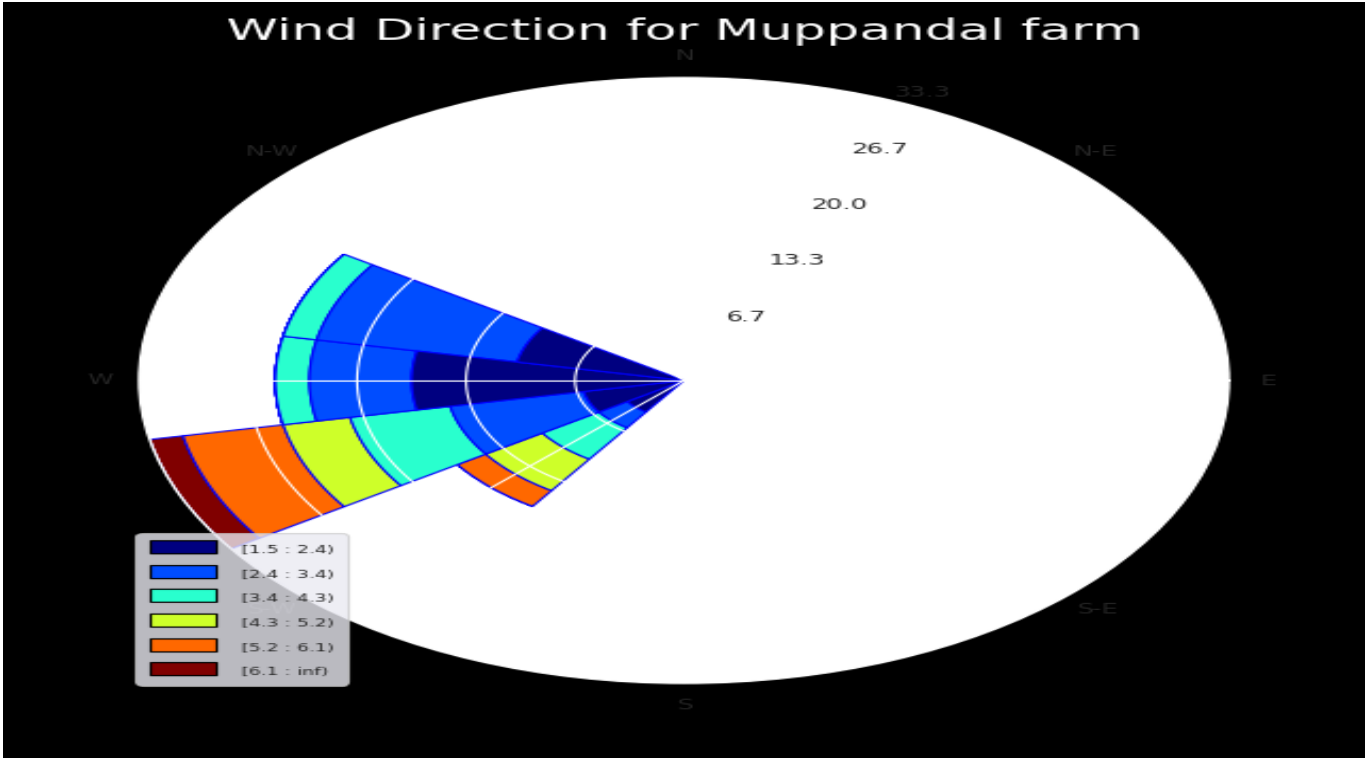
>>The Best time to extract Energy from Jaisalmer farm on 2020-07-20 is 00:30:00 to 01:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-07-21 is 09:30:00 to 10:30:00

## Temperature at Farms (Next 48 hours):

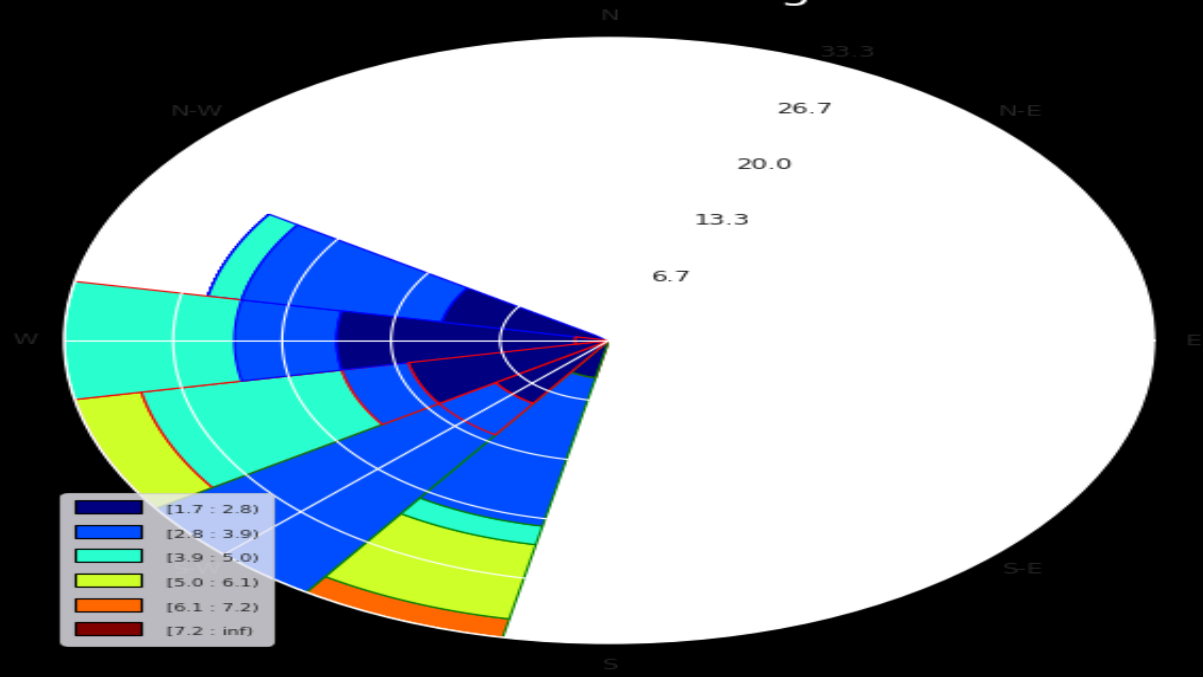


WIND DIRECTIONS FOR THE FARMS:

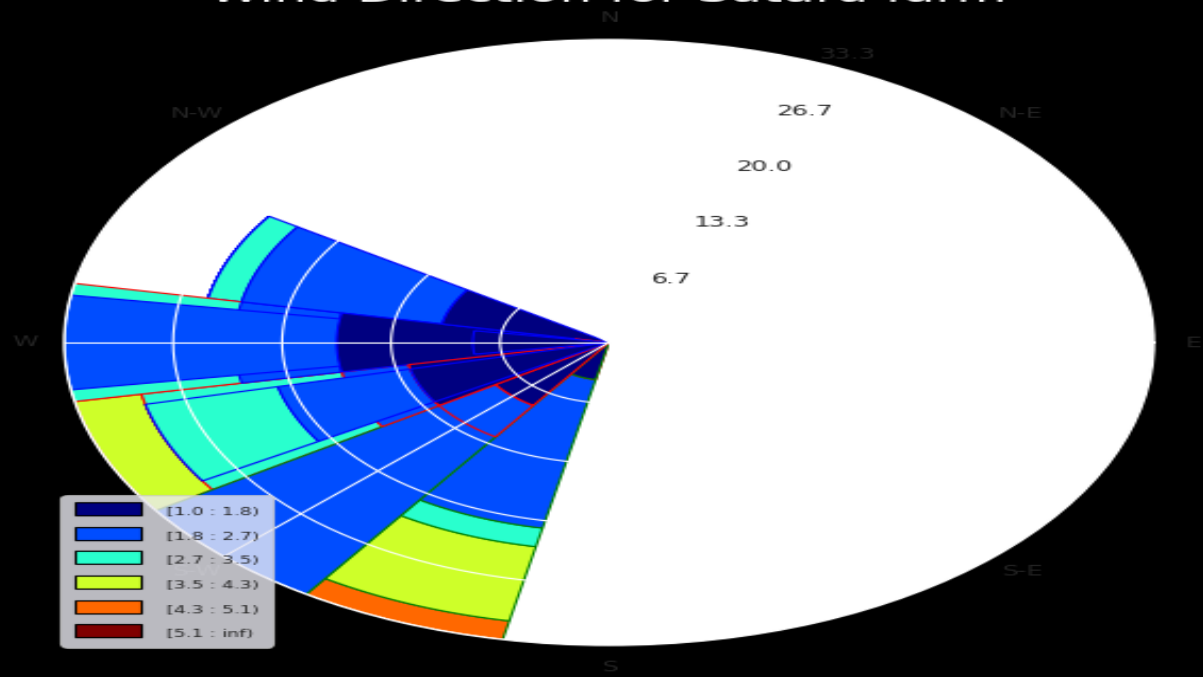




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

