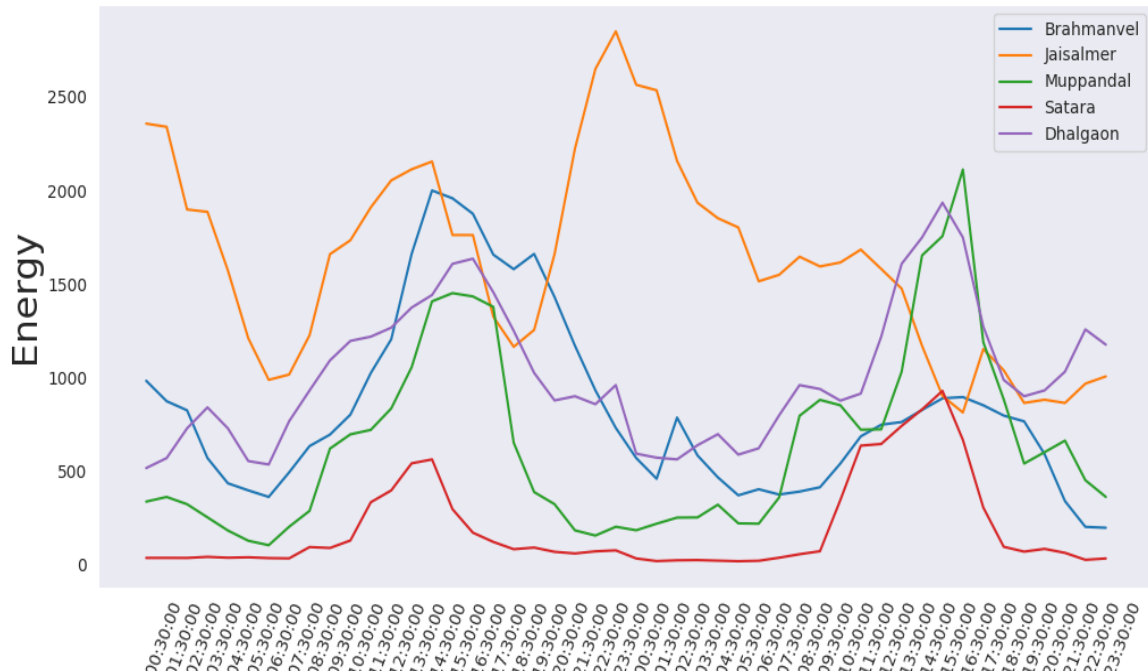


# POWER FORECAST REPORT

## 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 2020-08-19 00:30:00 is 13616.21 Watt and in 48 hours from 2020-08-19 00:30:00 is 30797.63 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-19 00:30:00 is 24278.03 Watt and in 48 hours from 2020-08-19 00:30:00 is 48804.34 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-08-19 00:30:00 is 3401.24 Watt and in 48 hours from 2020-08-19 00:30:00 is 9120.88 Watt.

>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-19 00:30:00 is 25904.87 Watt and in 48 hours from 2020-08-19 00:30:00 is 39751.47 Watt.

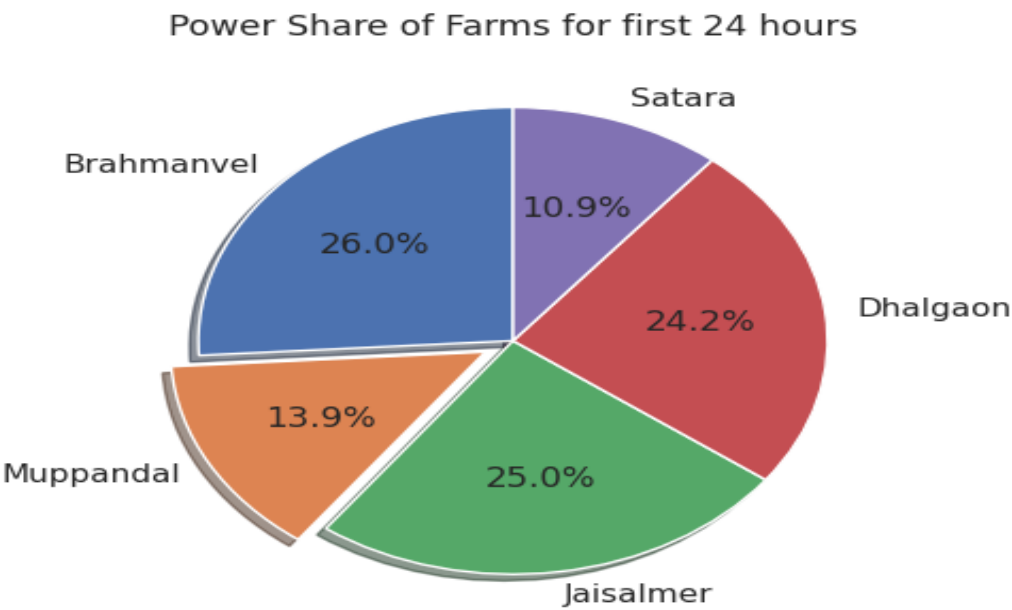
>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-19 00:30:00 is 42747.08

Watt and in 48 hours from 2020-08-19 00:30:00 is 77877.41 Watt.

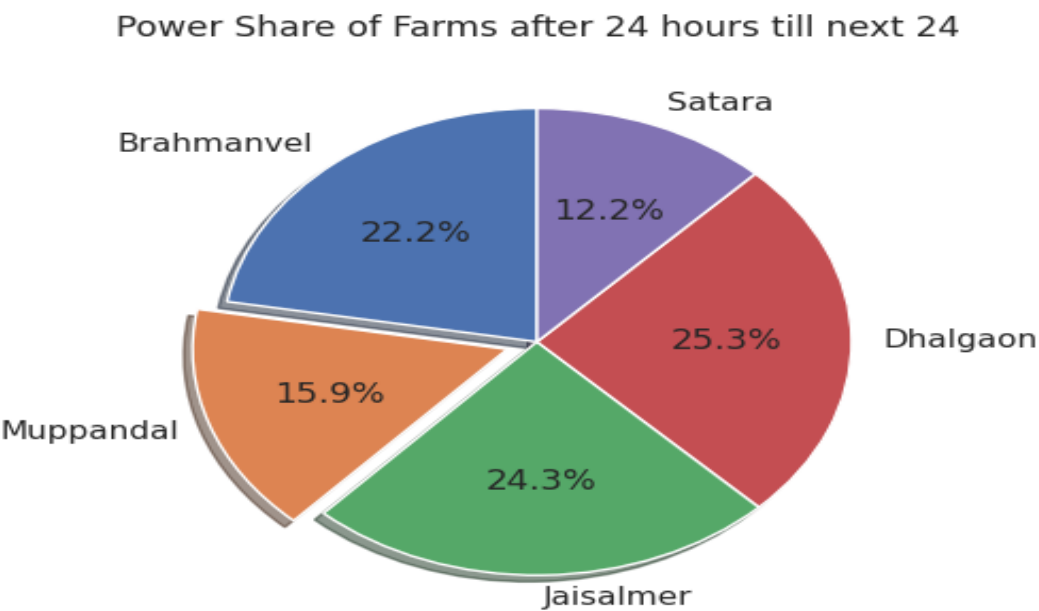
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	333.99	2357.25	980.57	513.51	32.55
01:30:00	358.83	2339.84	871.44	566.89	32.77
02:30:00	320.07	1897.61	822.59	726.06	32.47
03:30:00	249.76	1884.92	567.03	838.23	38.26
04:30:00	179.27	1571.35	432.03	726.08	33.61
05:30:00	124.48	1208.12	394.03	550.9	35.91
06:30:00	100.57	985.56	359.04	532.64	31.57
07:30:00	199.36	1014.09	490.57	764.15	30.15
08:30:00	284.46	1224.36	631.14	928.97	90.64
09:30:00	617.67	1658.34	692.67	1089.86	85.8
10:30:00	693.91	1732.84	799.44	1194.12	125.91
11:30:00	717.92	1908.82	1022.31	1216.84	330.53
12:30:00	832.55	2053.2	1202.57	1264.91	393.79
13:30:00	1053.13	2112.64	1659.66	1372.51	538.8
14:30:00	1405.87	2154.48	1999.22	1439.85	559.69
15:30:00	1449.78	1761.0	1957.45	1606.56	293.73
16:30:00	1432.1	1760.78	1874.61	1634.21	167.6
17:30:00	1376.51	1323.84	1655.96	1454.65	118.23
18:30:00	649.06	1162.52	1578.03	1248.0	79.14
19:30:00	385.0	1252.89	1659.66	1022.96	87.84
20:30:00	320.23	1658.34	1428.9	875.48	65.15
21:30:00	180.05	2223.59	1168.12	897.9	56.43

Power Share:

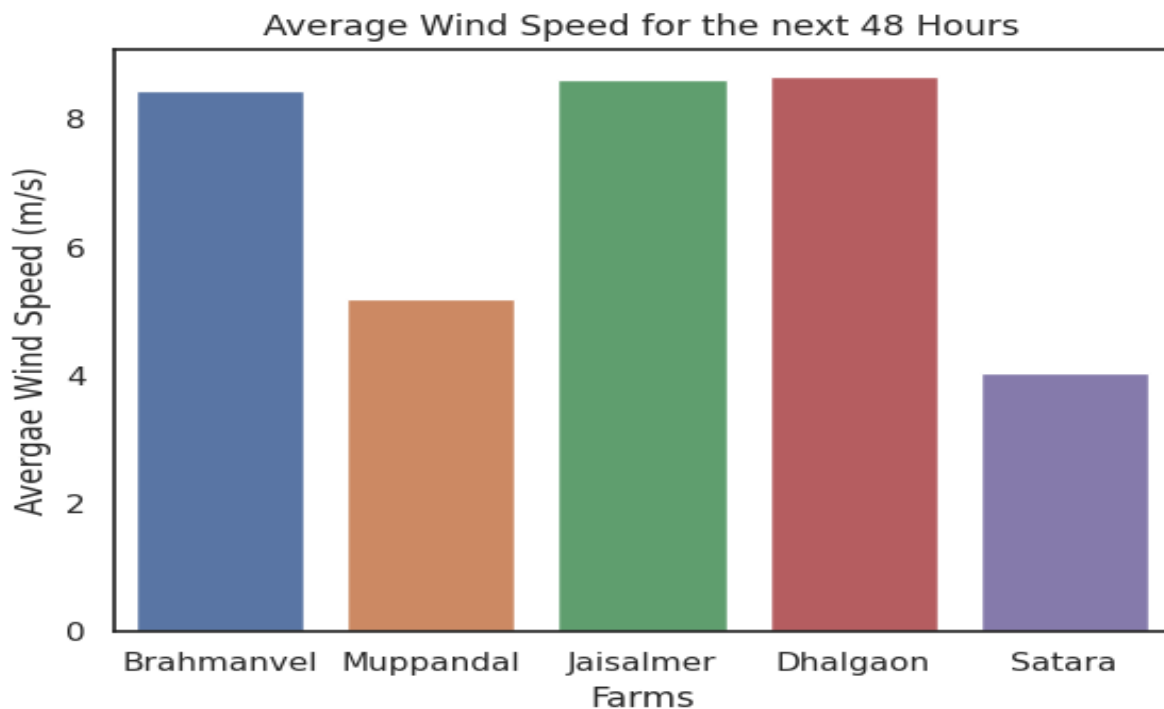


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

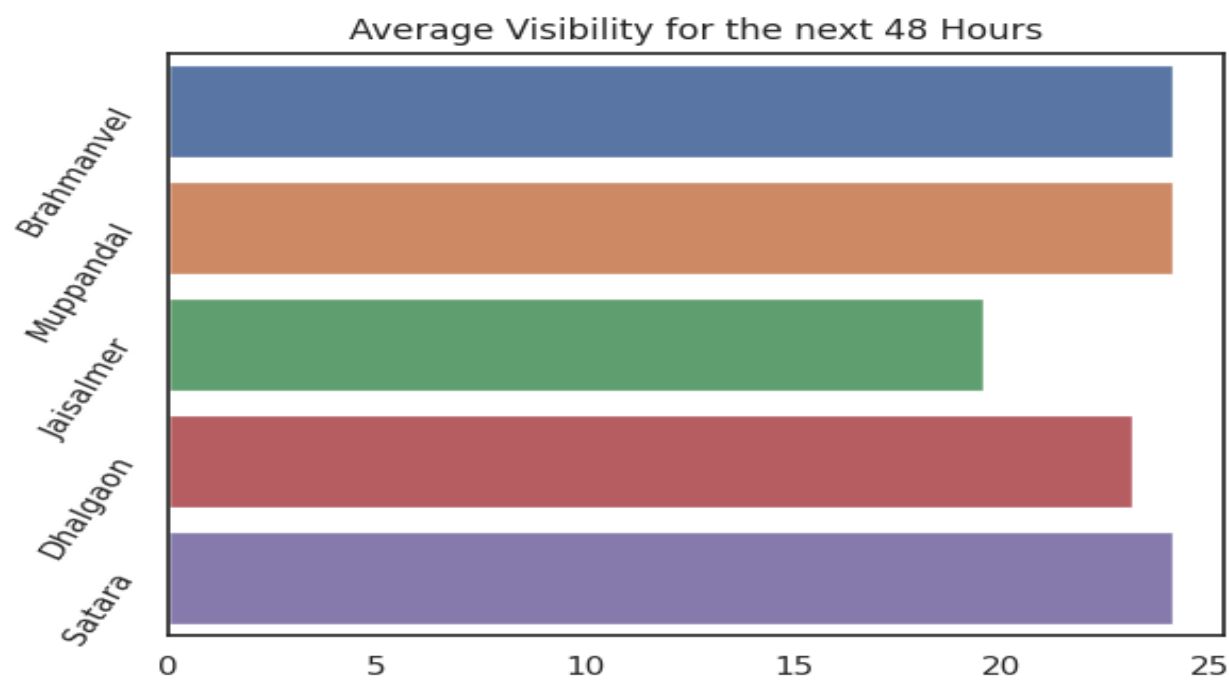


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

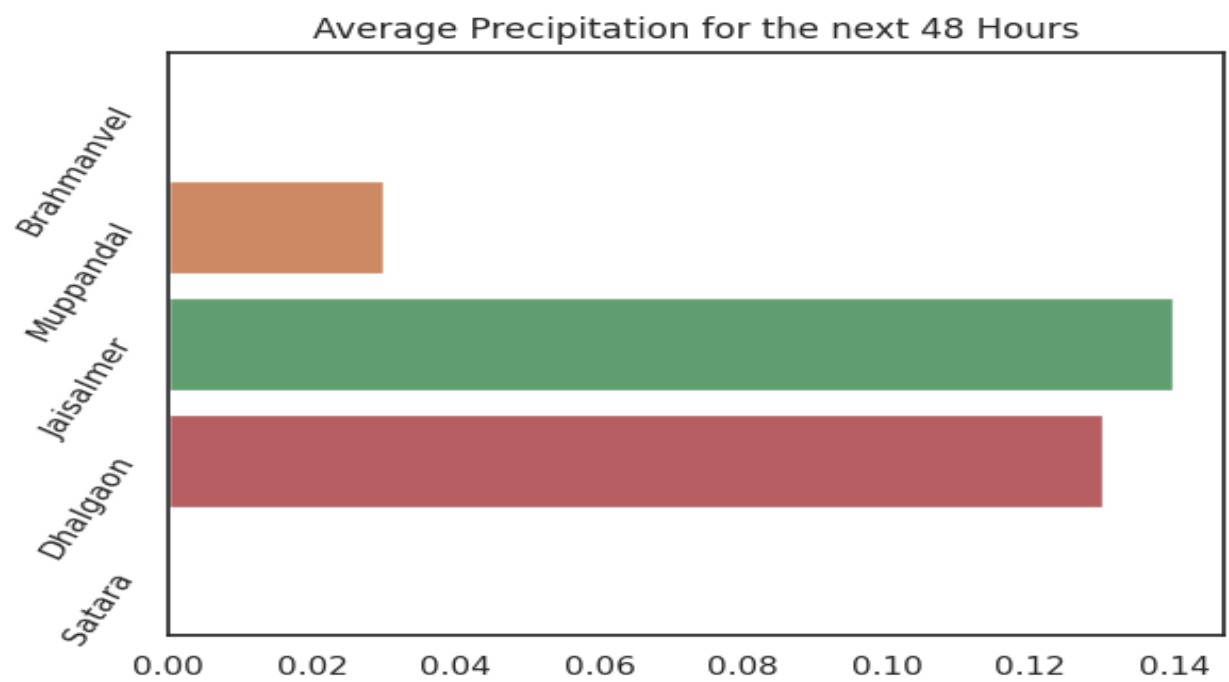
### Weather Description:

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

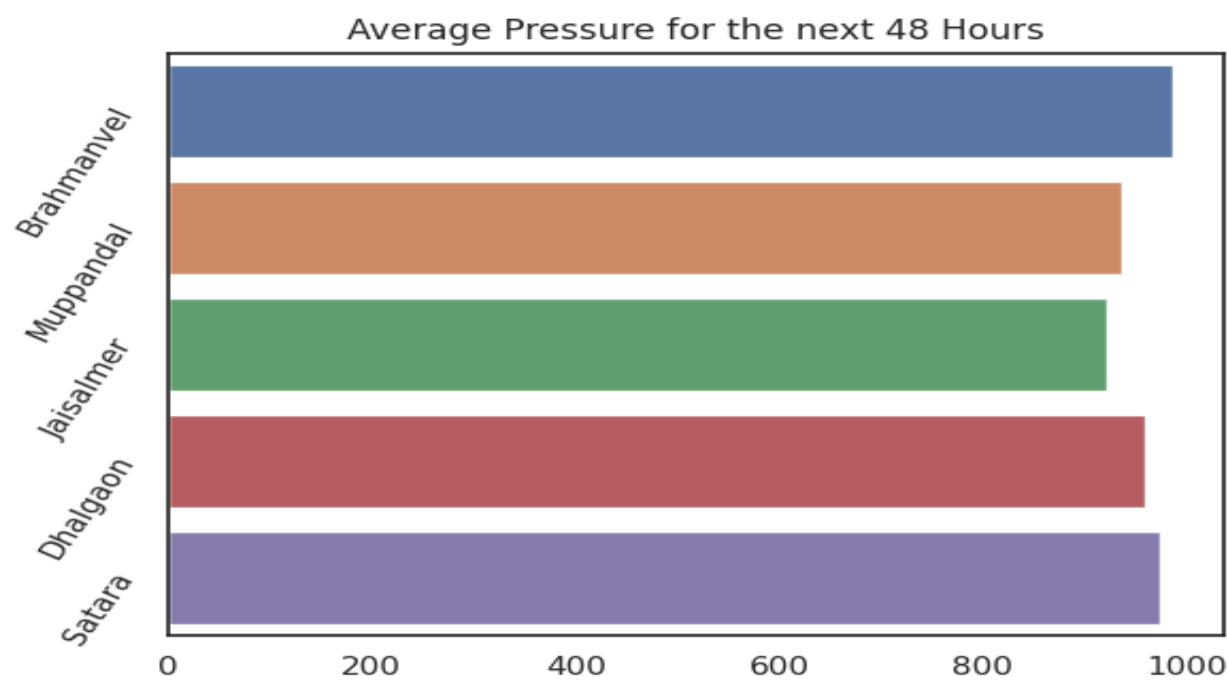
Visibility:



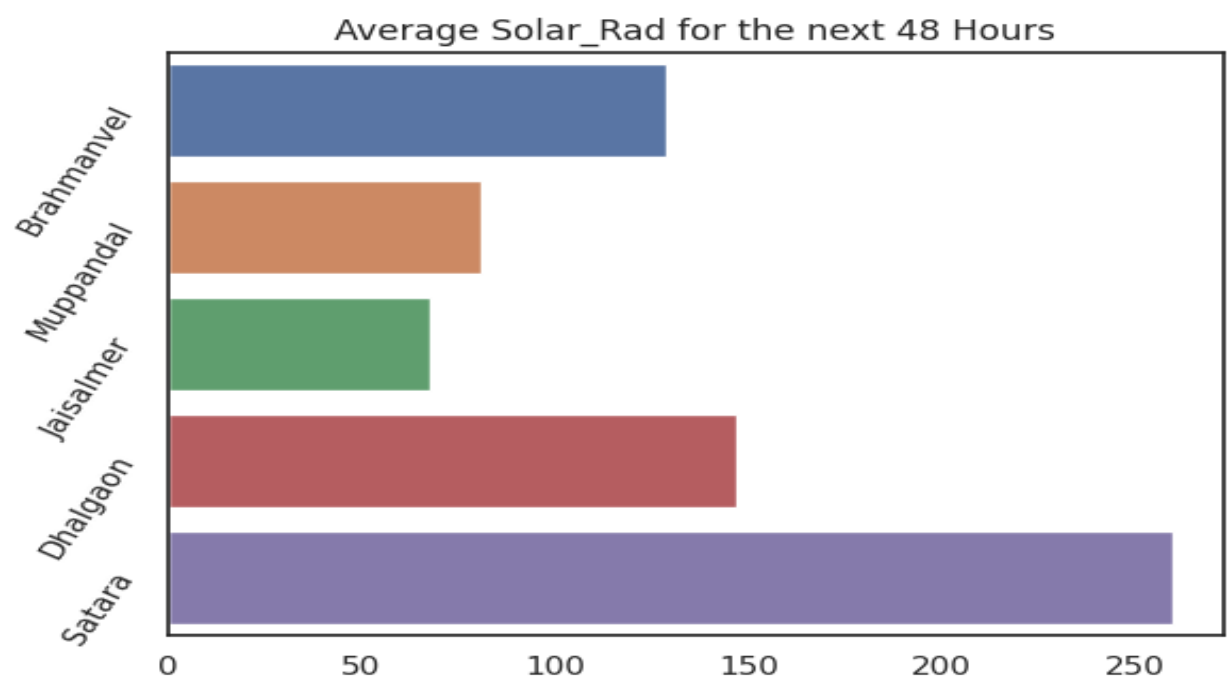
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-19 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-08-20 is 16:30:00 to 17:30:00

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-19 is 16:30:00 to 17:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-20 is 15:30:00 to 16:30:00

### *Satara*

>>The Best time to extract Energy from Satara farm on 2020-08-19 is 14:30:00 to 15:30:00

>>The Best time to extract Energy from Satara farm on 2020-08-20 is 15:30:00 to 16:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-19 is 14:30:00 to 15:30:00

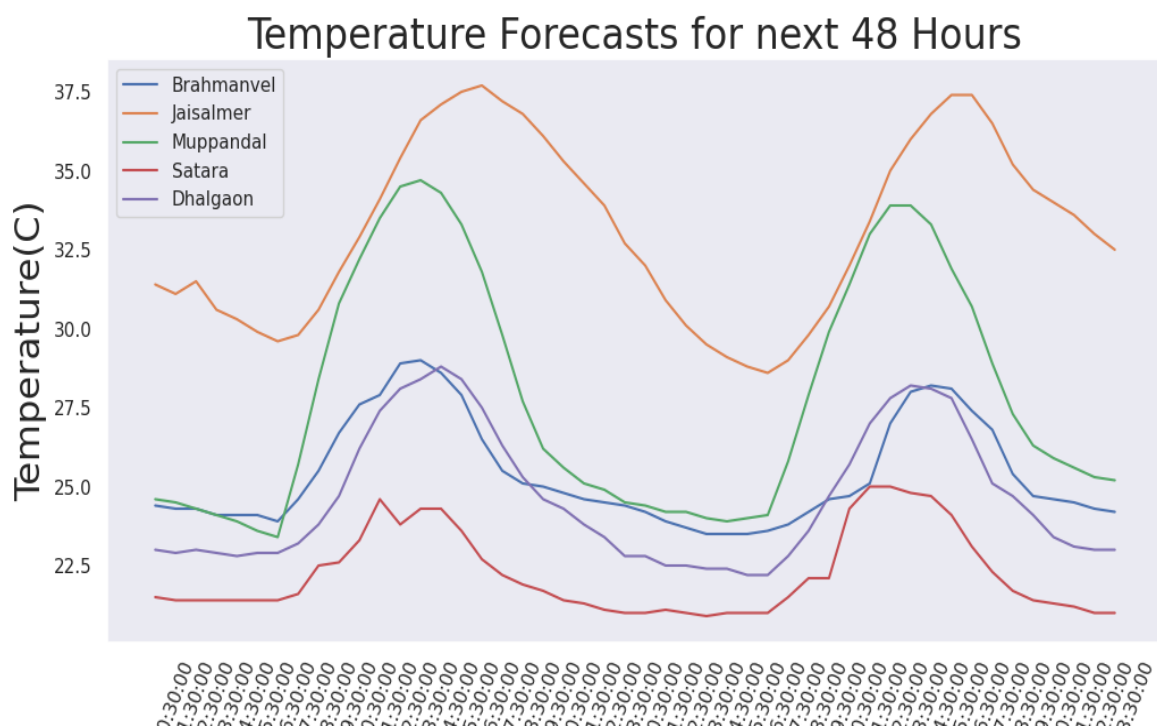
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-20 is 16:30:00 to 17:30:00

### *Jaisalmer*

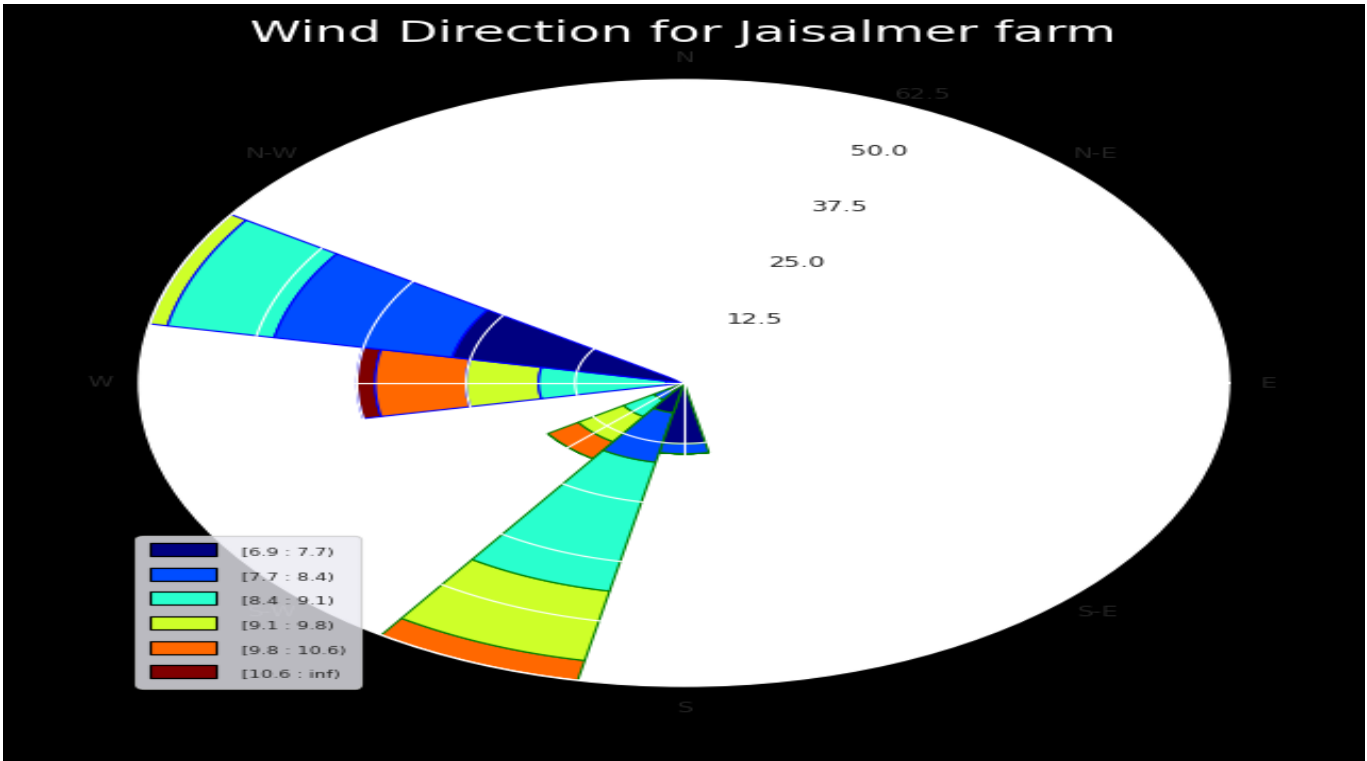
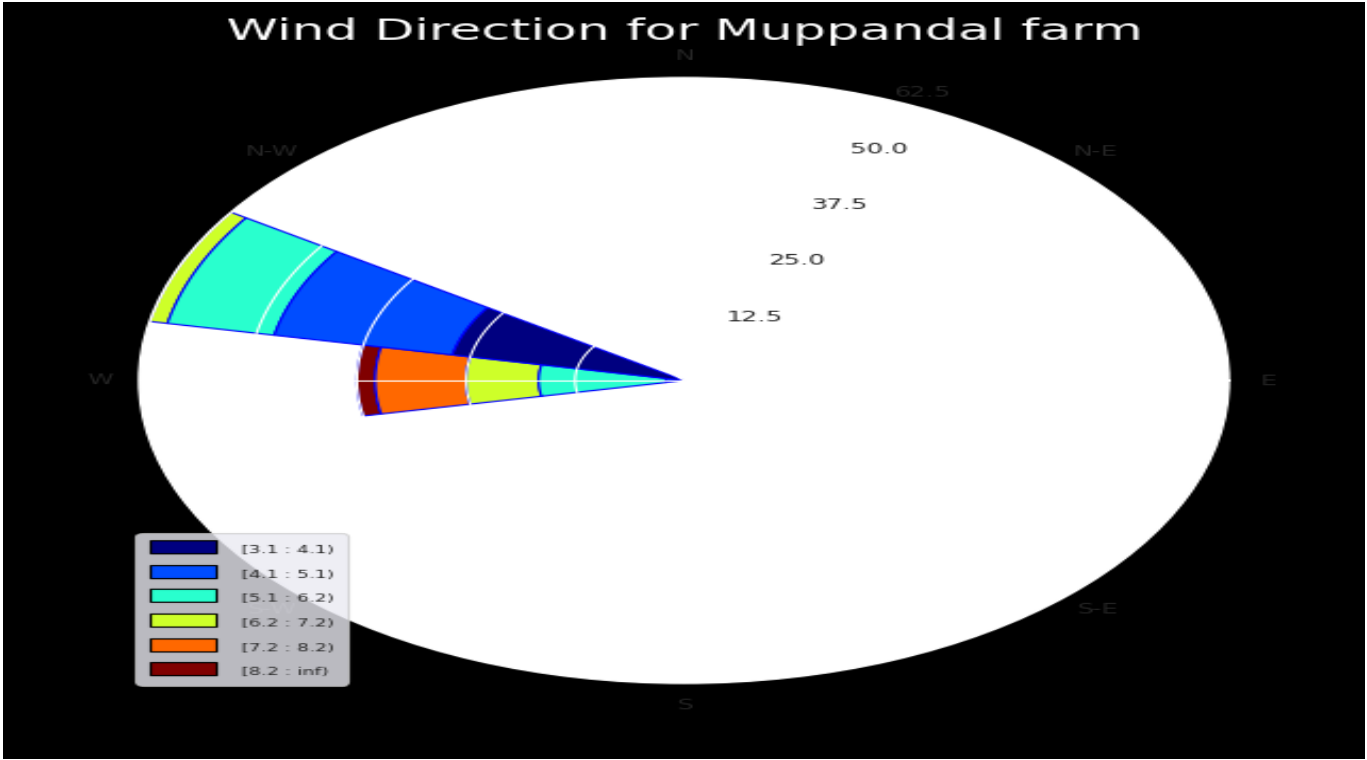
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-19 is 23:30:00 to 00:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-20 is 00:30:00 to 01:30:00

## Temperature at Farms (Next 48 hours):

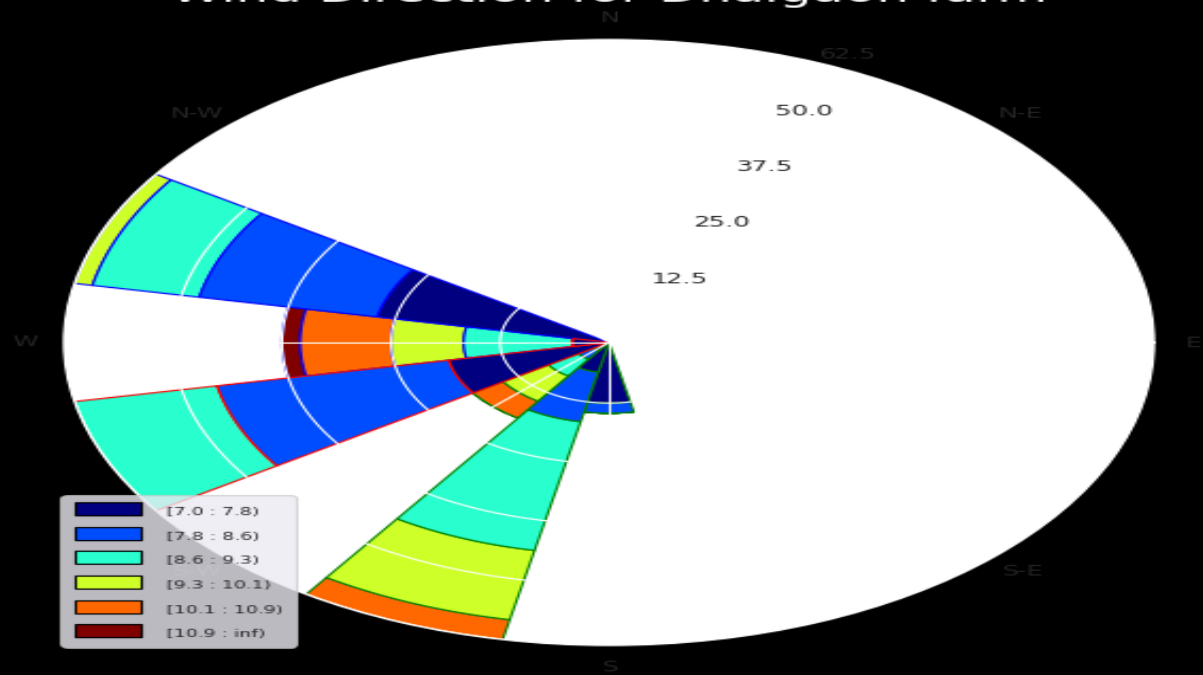


WIND DIRECTIONS FOR THE FARMS:

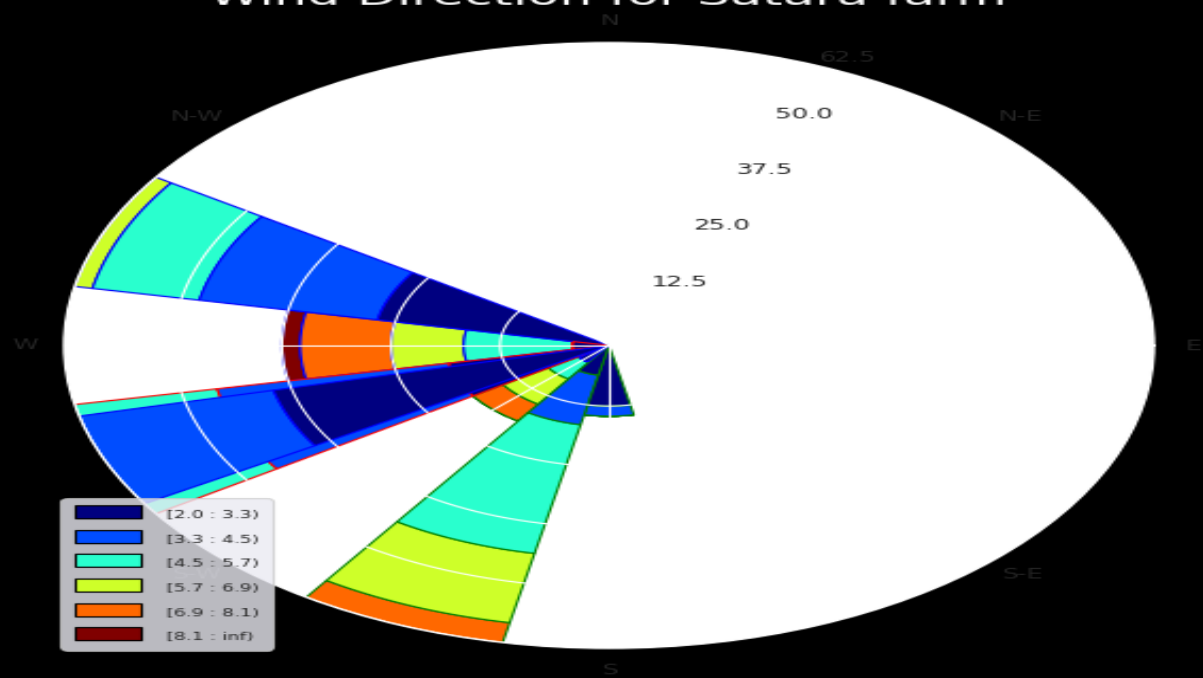




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

