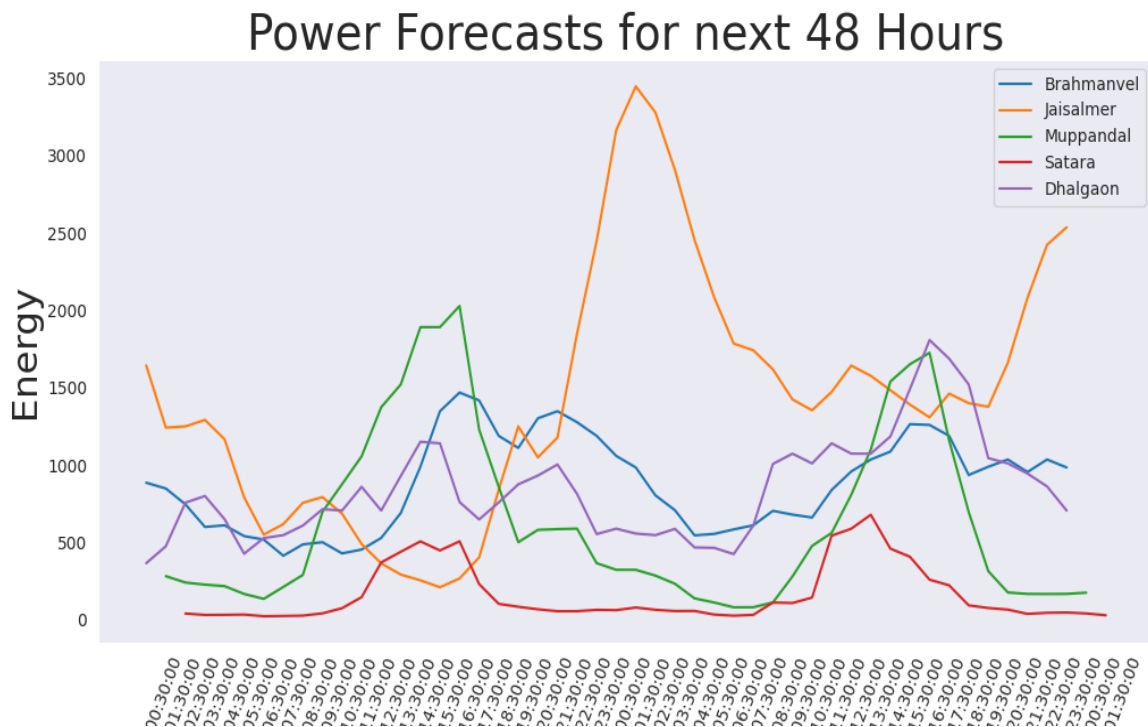


# POWER FORECAST REPORT

## Optimum Output:



*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 2020-08-18 01:30:00 is 18166.61 Watt and in 48 hours from 2020-08-18 01:30:00 is 30723.08 Watt.*

*>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-18 01:30:00 is 17958.84 Watt and in 48 hours from 2020-08-18 01:30:00 is 40644.75 Watt.*

*>>Total Power Generated by Satara farm in 24 hours from 2020-08-18 01:30:00 is 3497.91 Watt and in 48 hours from 2020-08-18 01:30:00 is 7836.49 Watt.*

*>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-18 01:30:00 is 21089.23 Watt and in 48 hours from 2020-08-18 01:30:00 is 42402.49 Watt.*

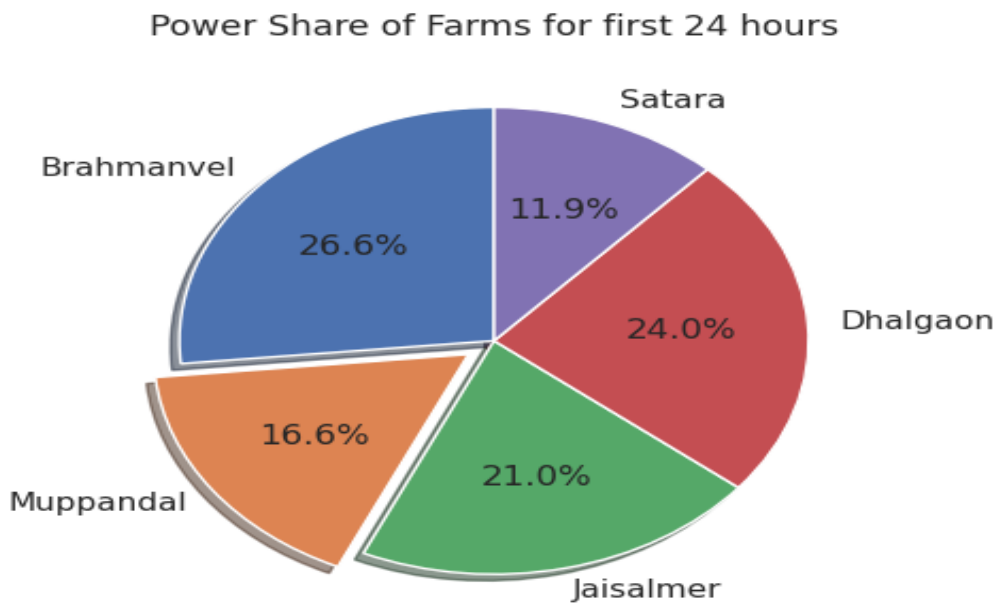
>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-18 01:30:00 is 23228.08

Watt and in 48 hours from 2020-08-18 01:30:00 is 68795.6 Watt.

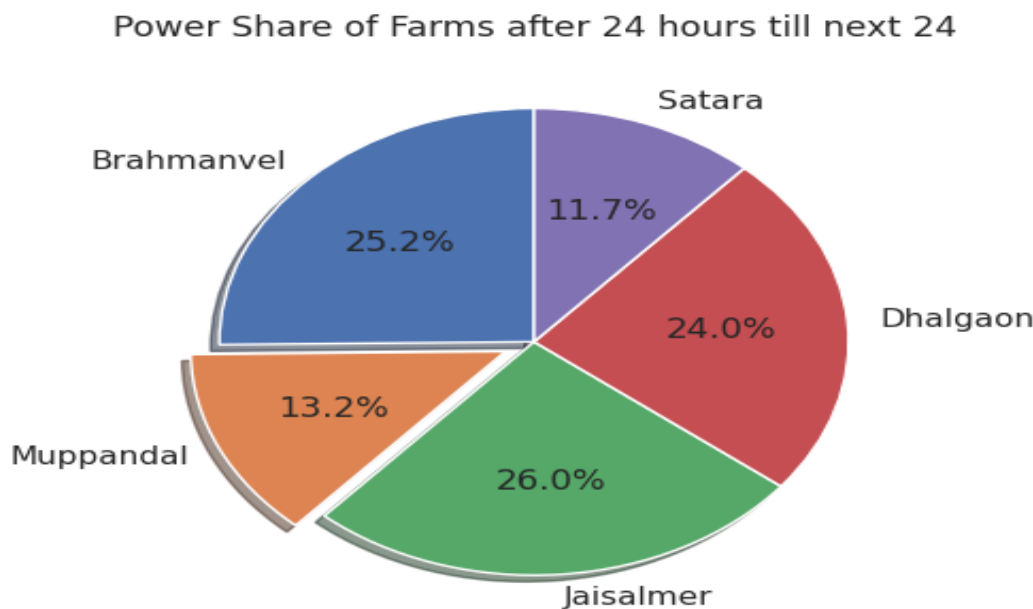
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
01:30:00	283.09	1242.49	849.53	476.06	nan
02:30:00	242.08	1250.57	747.26	757.69	41.68
03:30:00	228.21	1292.29	601.09	800.99	32.69
04:30:00	218.71	1167.64	611.6	651.32	33.16
05:30:00	168.16	792.42	541.92	428.38	34.95
06:30:00	136.5	551.63	519.46	528.87	24.27
07:30:00	213.33	619.24	415.0	548.18	25.87
08:30:00	291.23	756.94	488.4	609.93	28.1
09:30:00	698.82	793.88	502.49	715.76	42.83
10:30:00	877.29	687.21	430.25	707.06	76.04
11:30:00	1057.63	490.49	455.09	860.31	147.77
12:30:00	1374.6	365.48	530.12	707.06	371.9
13:30:00	1521.68	293.27	691.23	930.36	440.63
14:30:00	1891.71	256.27	989.77	1151.35	507.85
15:30:00	1892.02	211.34	1348.81	1141.39	448.94
16:30:00	2028.28	268.15	1469.22	761.92	508.16
17:30:00	1230.15	404.21	1418.22	649.52	231.88
18:30:00	860.07	841.22	1189.57	759.48	104.23
19:30:00	502.51	1250.57	1111.57	876.42	85.45
20:30:00	582.21	1050.19	1302.97	932.81	69.01
21:30:00	586.95	1178.78	1348.81	1004.56	56.62
22:30:00	590.17	1850.69	1277.49	814.46	56.79

Power Share:

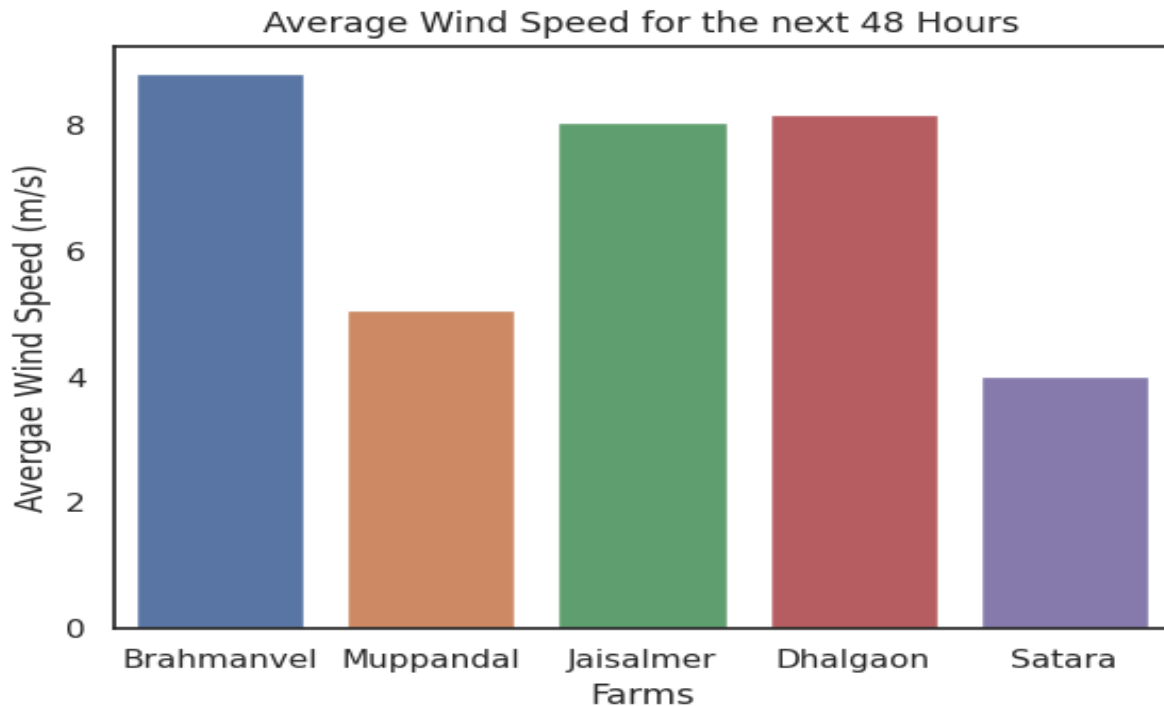


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

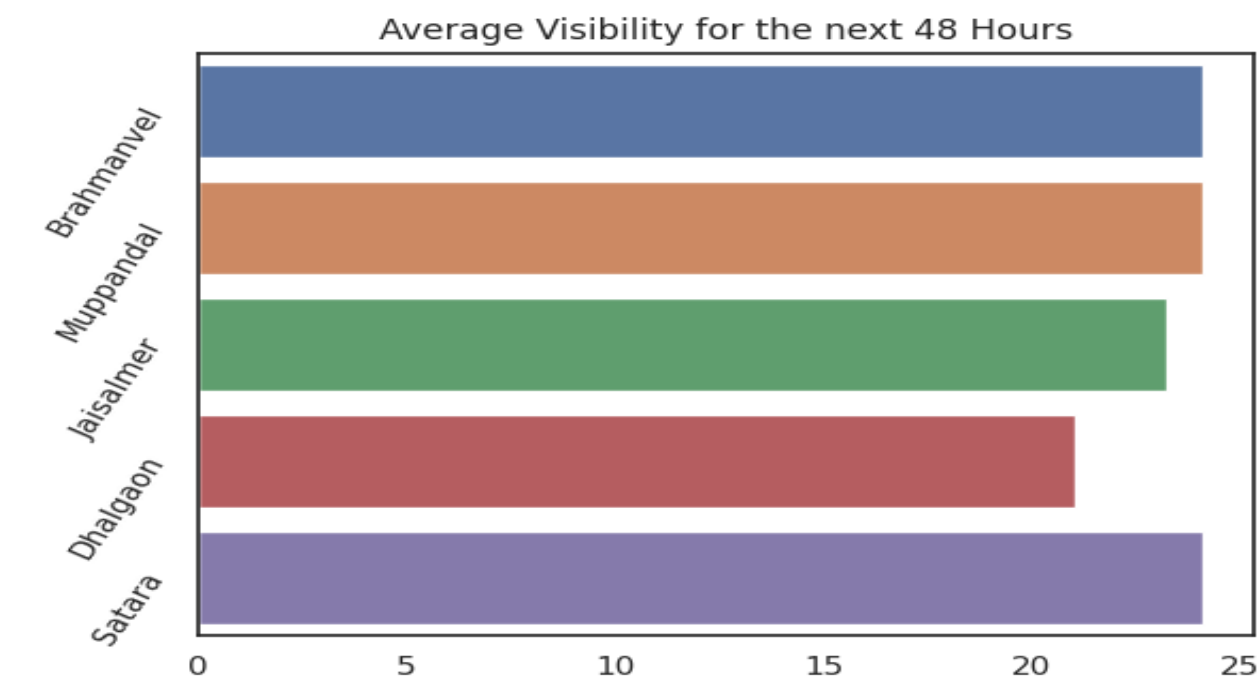


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

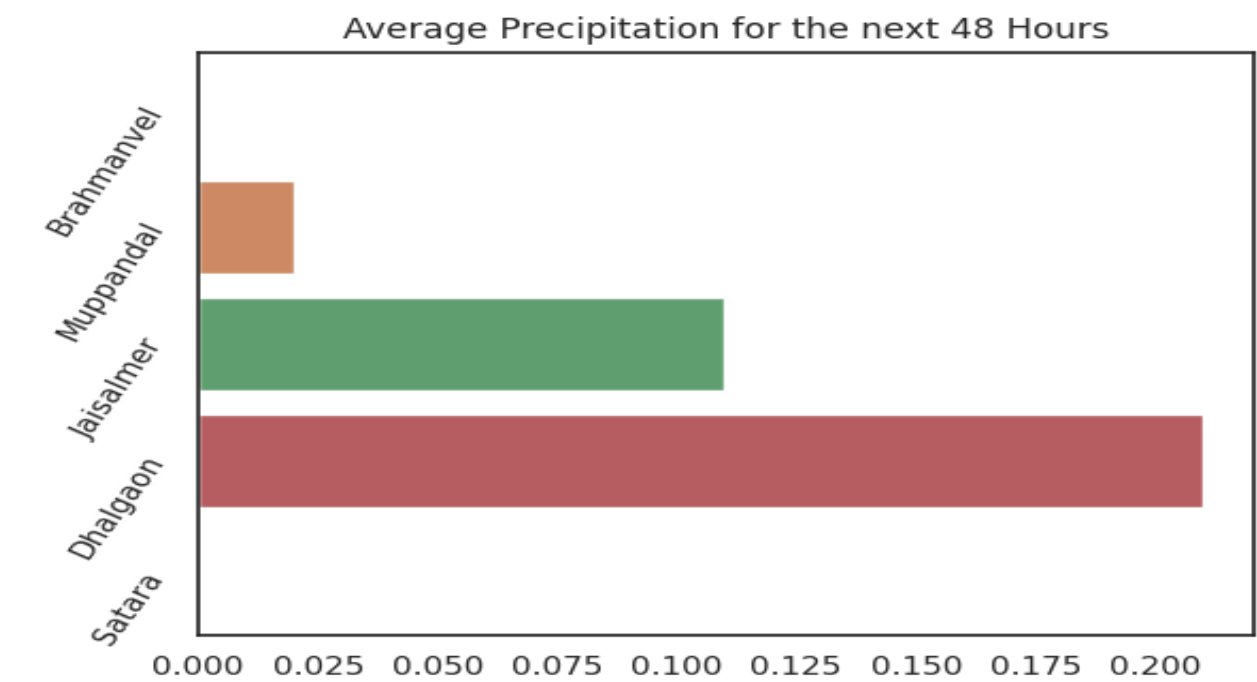
### Weather Description:

- > *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*

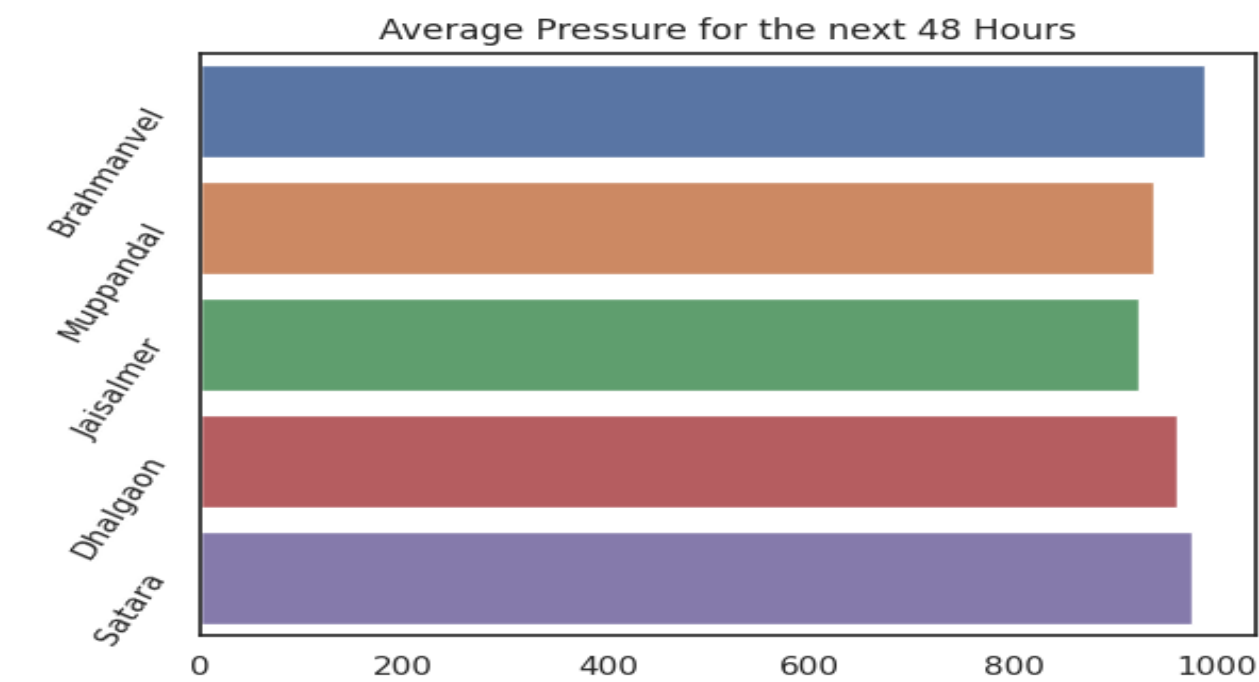
Visibility:



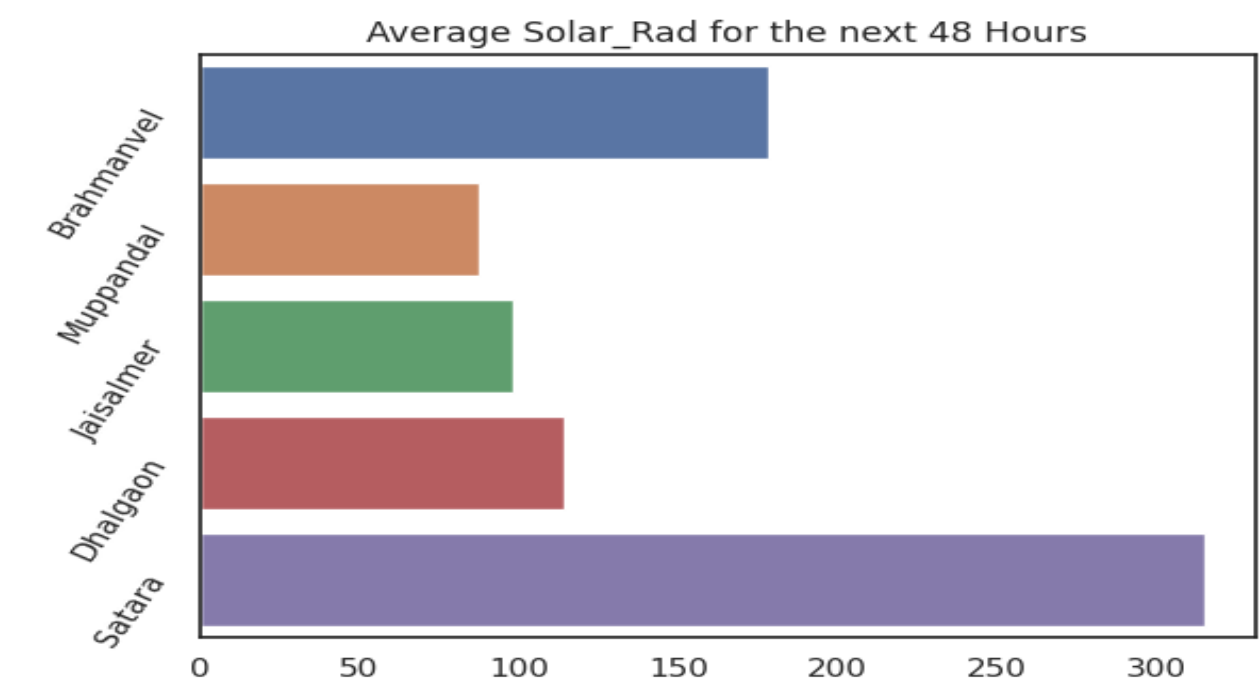
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-18 is 16:30:00 to 17:30:00

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

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-18 is 14:30:00 to 15:30:00

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

### *Satara*

>>The Best time to extract Energy from Satara farm on 2020-08-18 is 16:30:00 to 17:30:00

>>The Best time to extract Energy from Satara farm on 2020-08-19 is 13:30:00 to 14:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-18 is 16:30:00 to 17:30:00

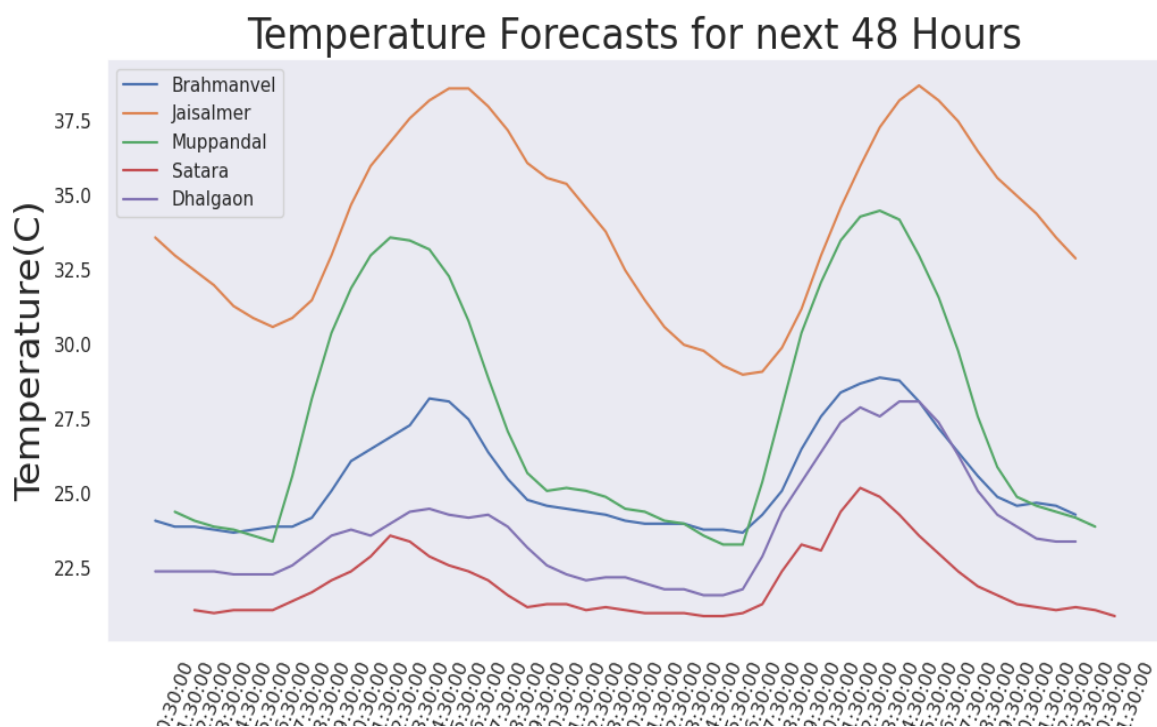
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-19 is 15:30:00 to 16:30:00

### *Jaisalmer*

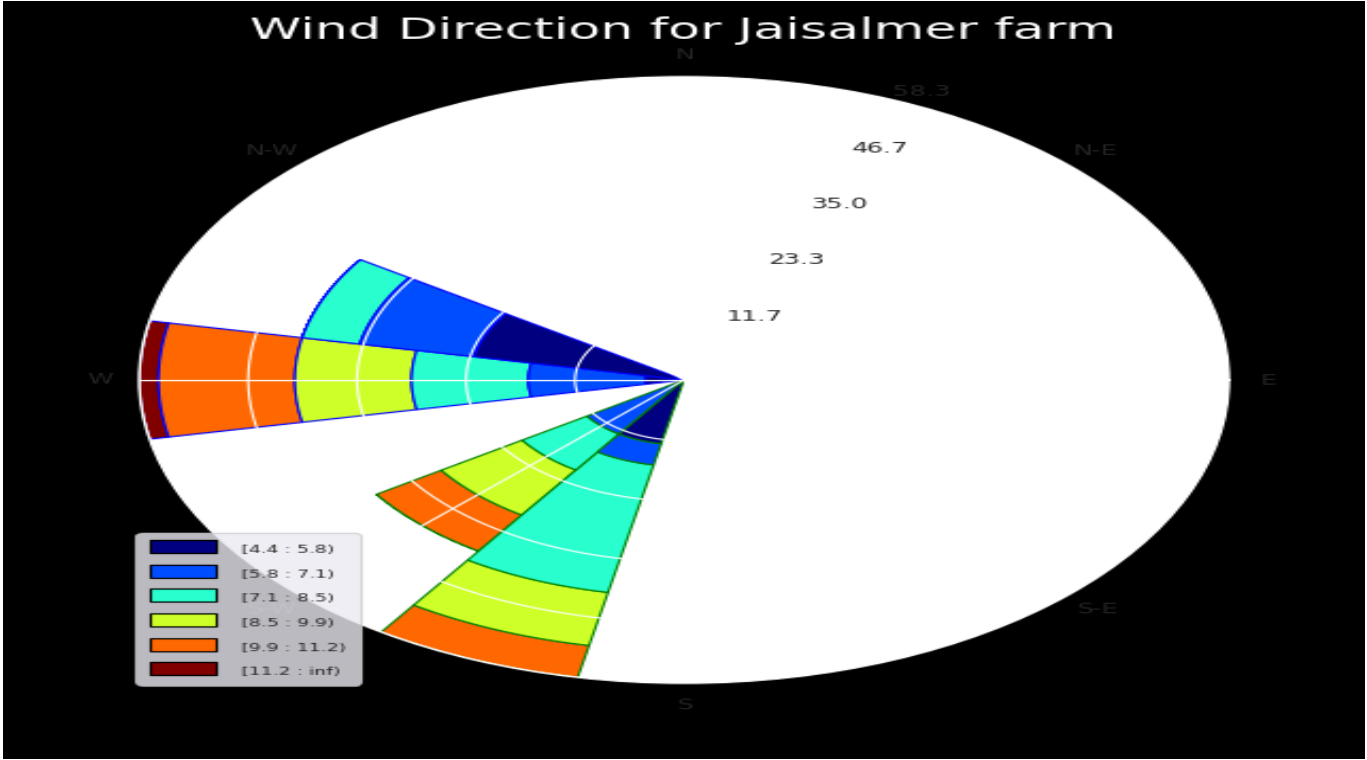
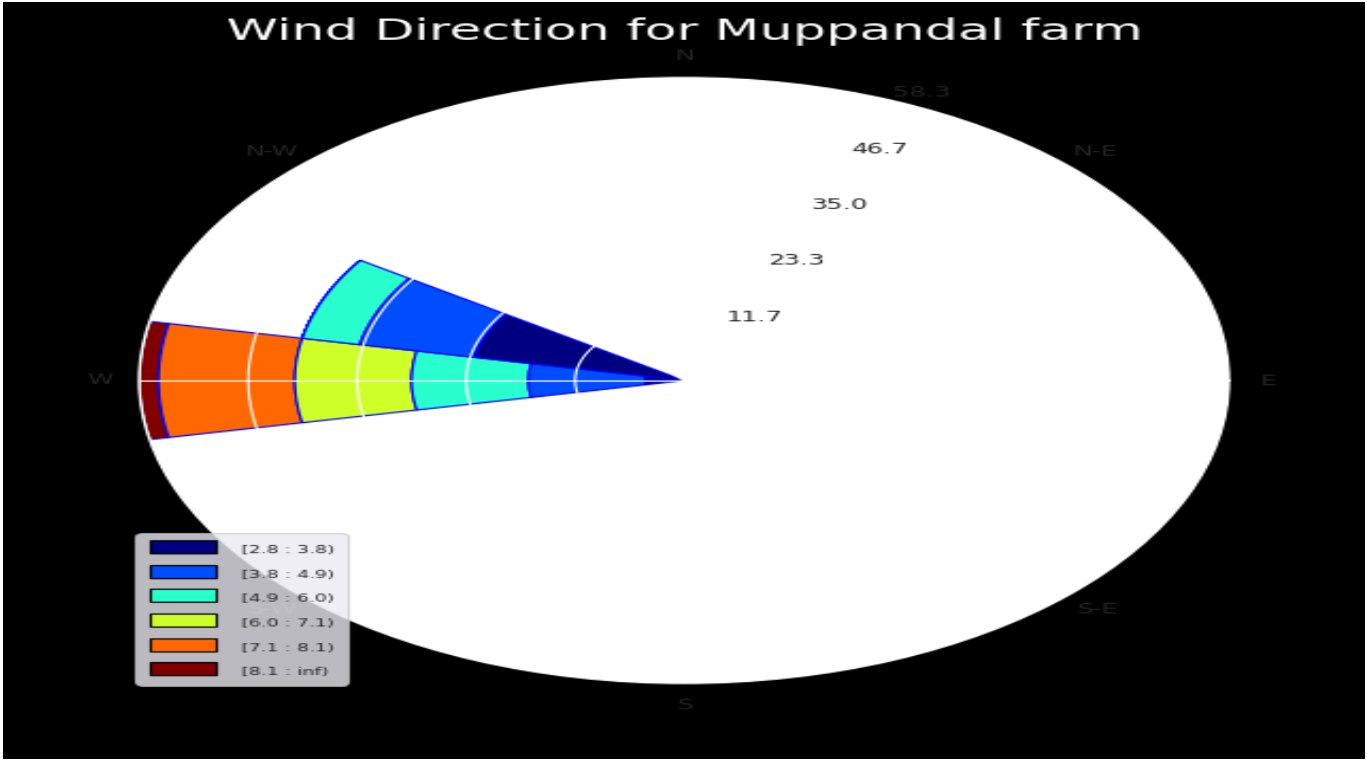
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-18 is 00:30:00 to 01:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-19 is 01:30:00 to 02:30:00

## Temperature at Farms (Next 48 hours):

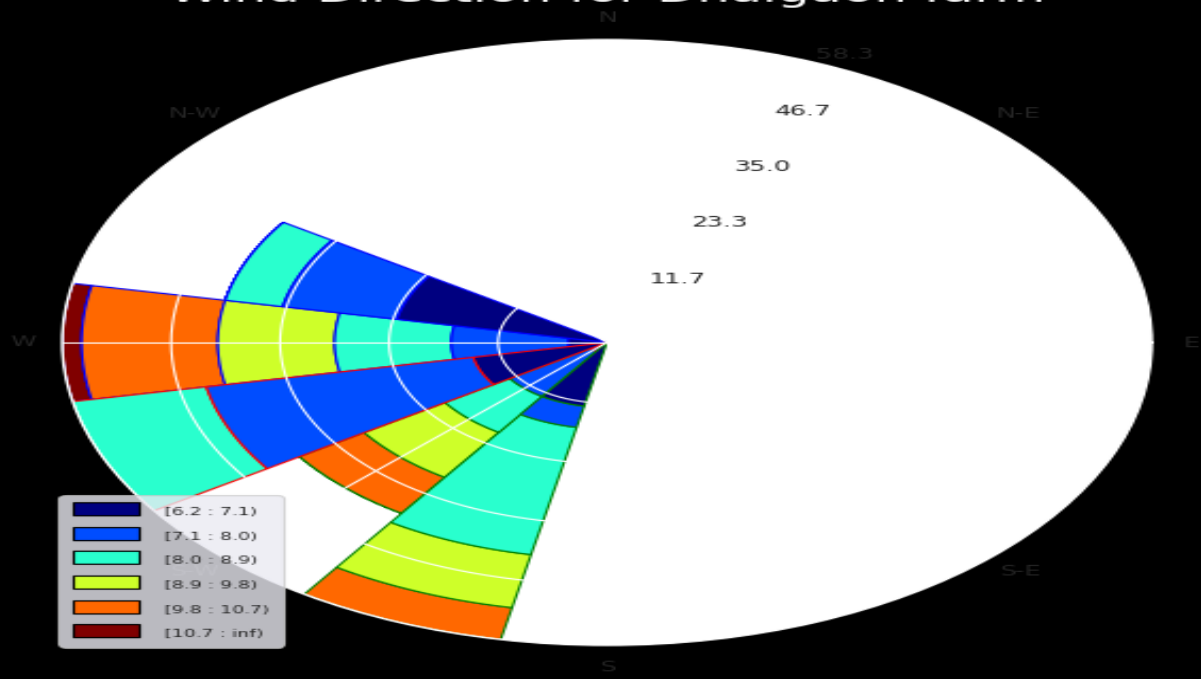


WIND DIRECTIONS FOR THE FARMS:

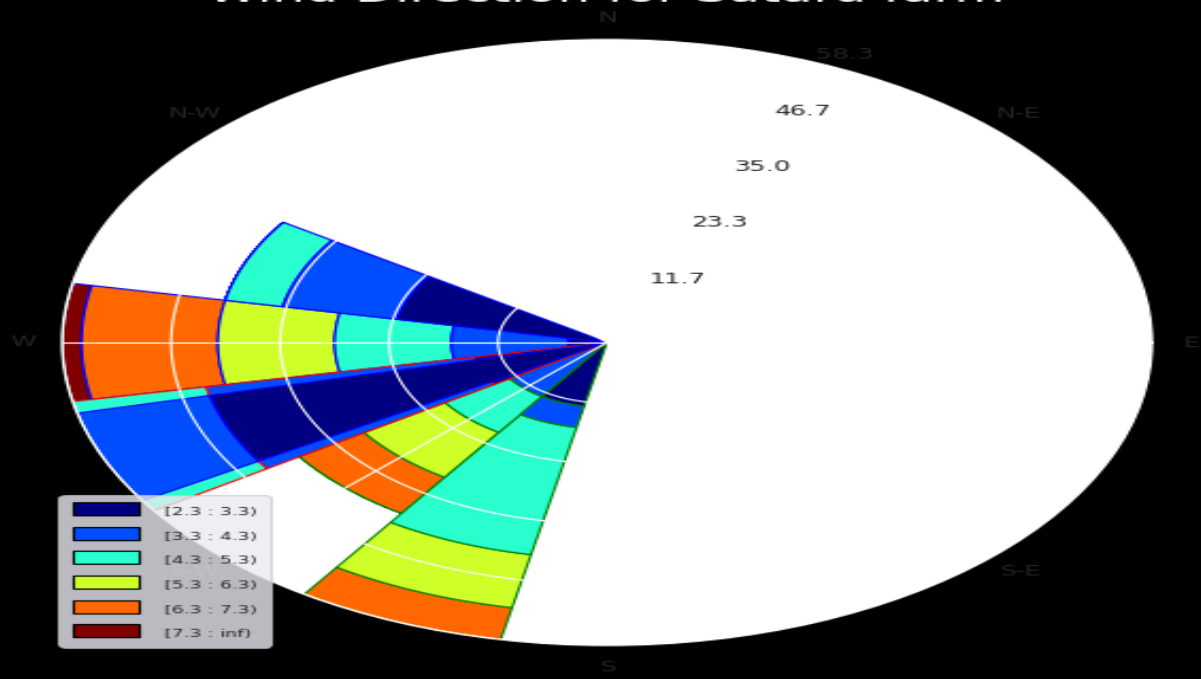




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

