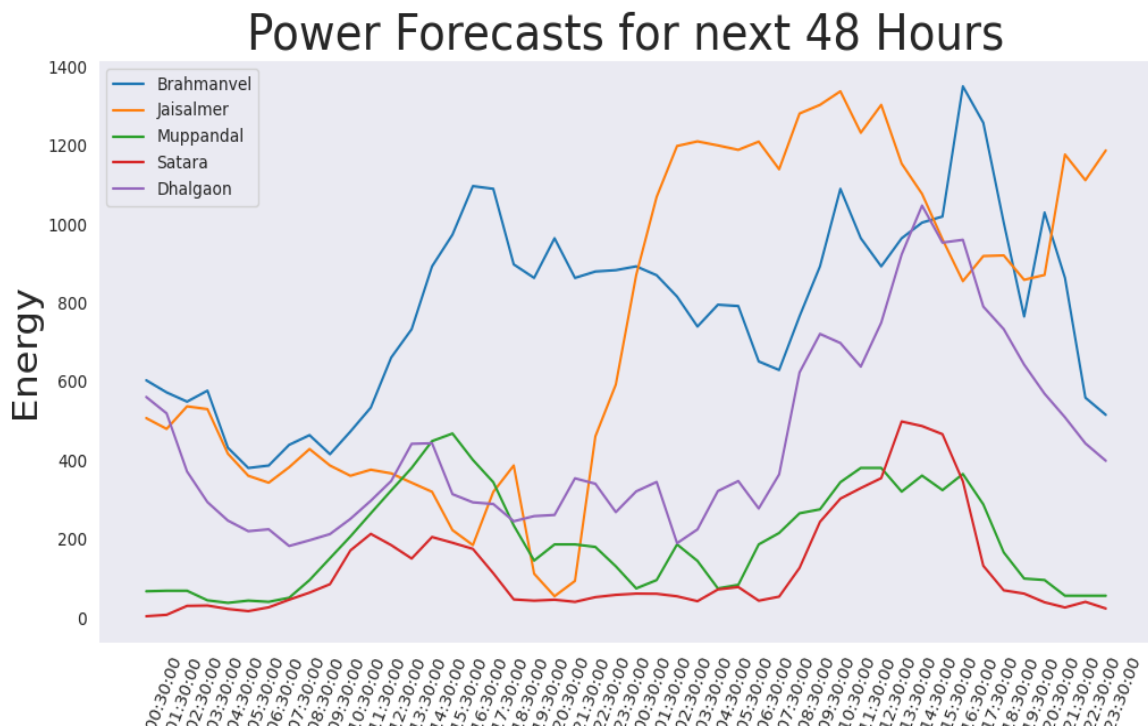


# POWER FORECAST REPORT

## 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 2020-08-11 00:30:00 is 4568.78 Watt and in 48 hours from 2020-08-11 00:30:00 is 9463.67 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-11 00:30:00 is 7432.11 Watt and in 48 hours from 2020-08-11 00:30:00 is 21220.64 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-08-11 00:30:00 is 2022.24 Watt and in 48 hours from 2020-08-11 00:30:00 is 6034.91 Watt.

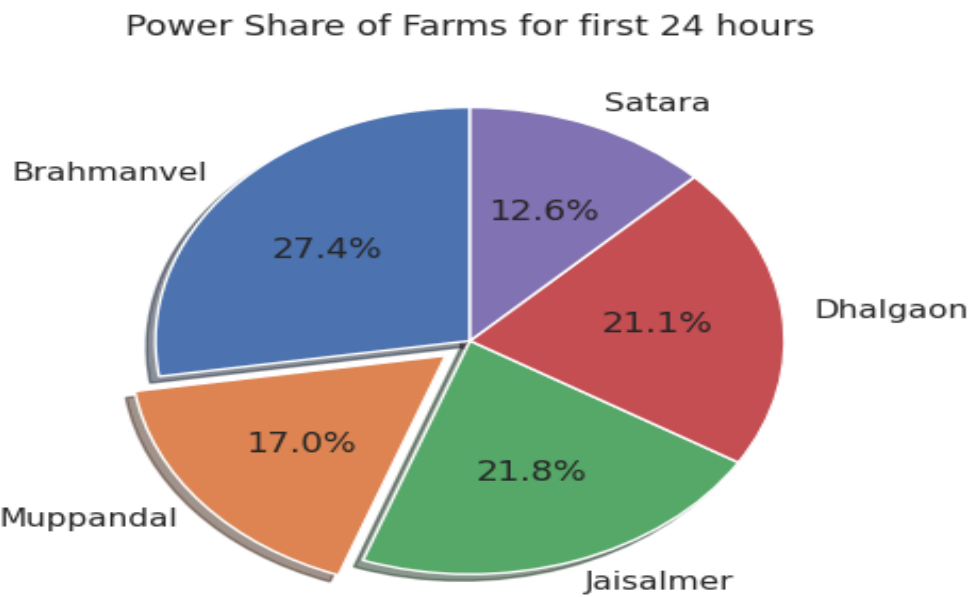
>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-11 00:30:00 is 16620.98 Watt and in 48 hours from 2020-08-11 00:30:00 is 37739.99 Watt.

>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-11 00:30:00 is 8564.85 Watt  
and in 48 hours from 2020-08-11 00:30:00 is 35193.95 Watt.

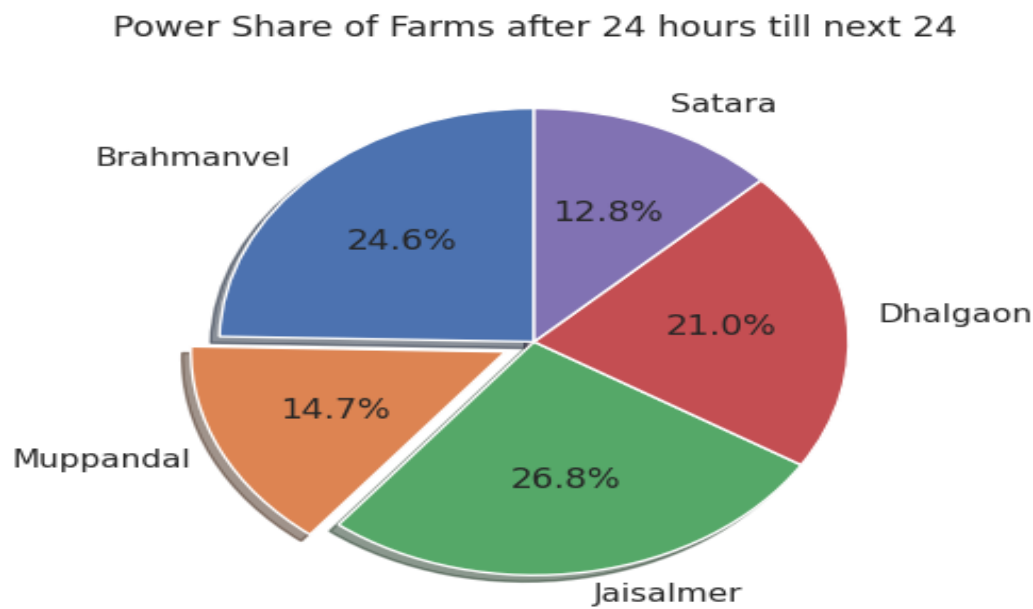
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	67.24	507.07	603.21	560.76	3.88
01:30:00	68.59	479.71	572.4	519.1	7.48
02:30:00	68.59	536.97	548.92	371.4	30.17
03:30:00	44.23	529.83	576.82	293.65	31.05
04:30:00	37.86	416.79	431.82	246.86	22.34
05:30:00	43.54	360.66	380.38	219.86	16.8
06:30:00	40.45	343.02	386.66	224.72	26.49
07:30:00	50.76	382.33	439.16	182.27	45.84
08:30:00	95.75	428.53	463.84	196.81	63.85
09:30:00	151.2	386.73	415.42	212.54	85.25
10:30:00	206.5	360.66	472.99	251.12	170.93
11:30:00	265.3	376.0	533.88	297.21	213.04
12:30:00	323.4	366.74	661.07	347.5	184.47
13:30:00	380.53	343.02	732.9	441.78	150.4
14:30:00	448.67	319.95	892.5	443.36	205.08
15:30:00	467.98	222.65	973.07	314.0	190.53
16:30:00	400.93	184.55	1096.37	293.14	174.9
17:30:00	344.33	319.78	1089.45	288.92	113.03
18:30:00	234.51	386.73	897.55	245.06	46.57
19:30:00	145.21	111.71	863.17	258.16	43.4
20:30:00	186.34	54.7	963.9	261.18	45.85
21:30:00	186.34	93.56	863.17	354.14	40.36

Power Share:

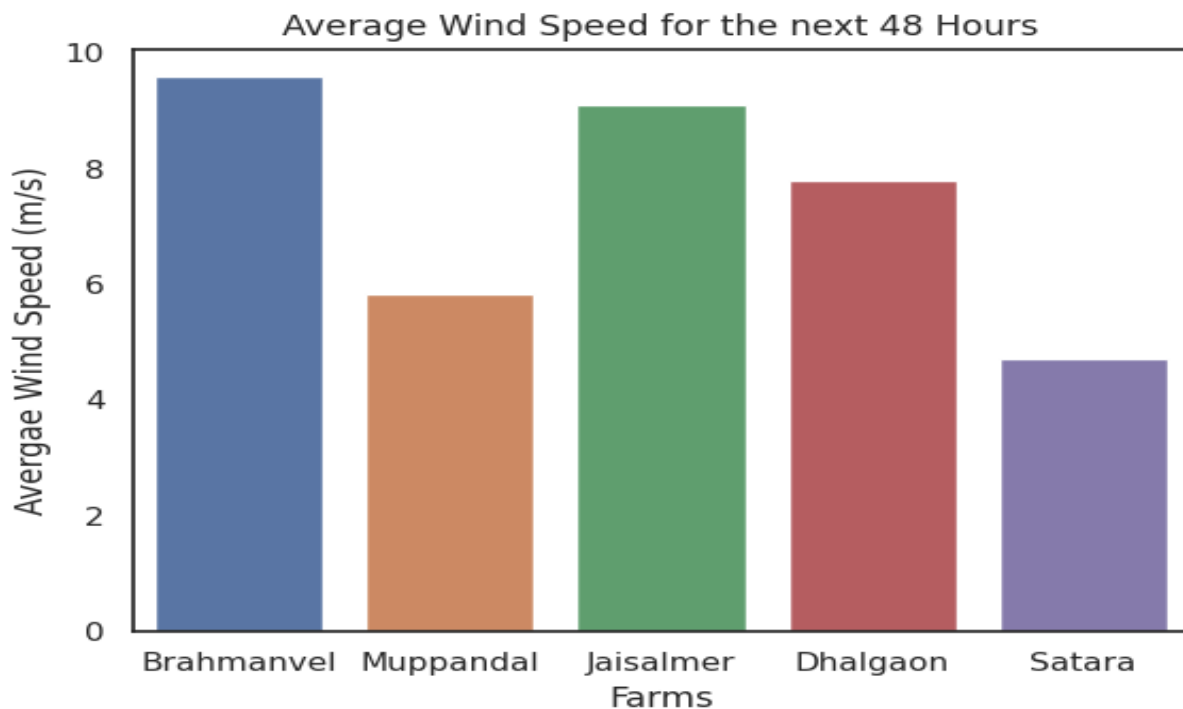


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

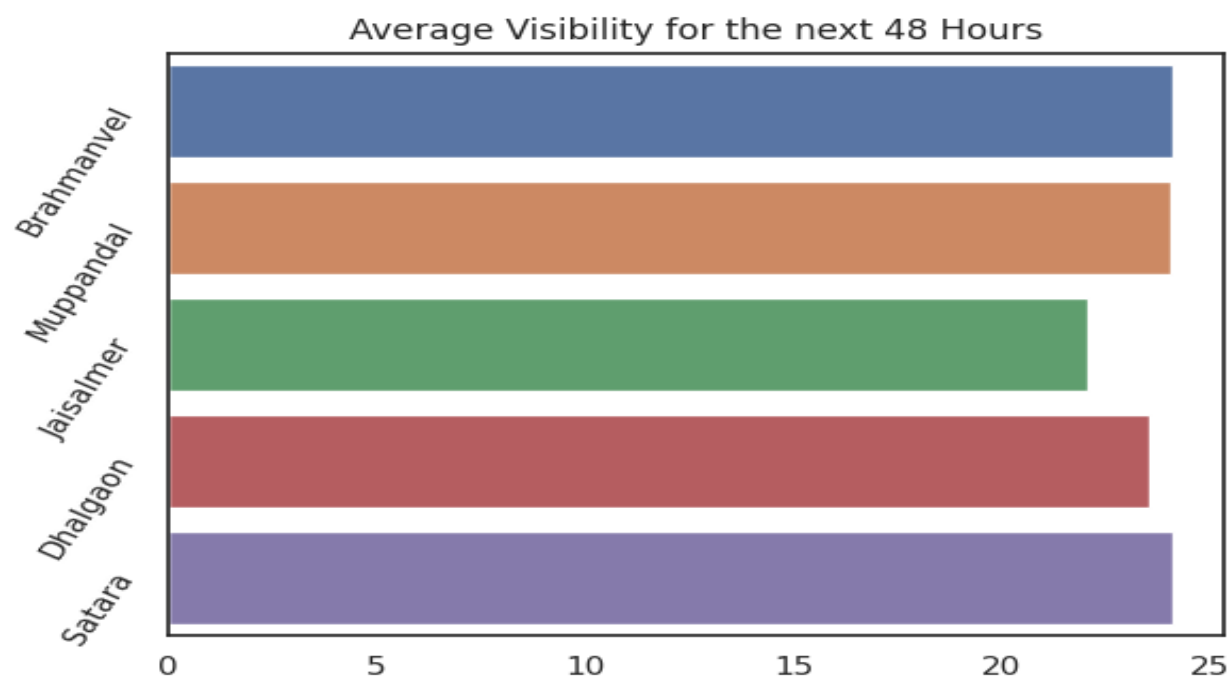


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

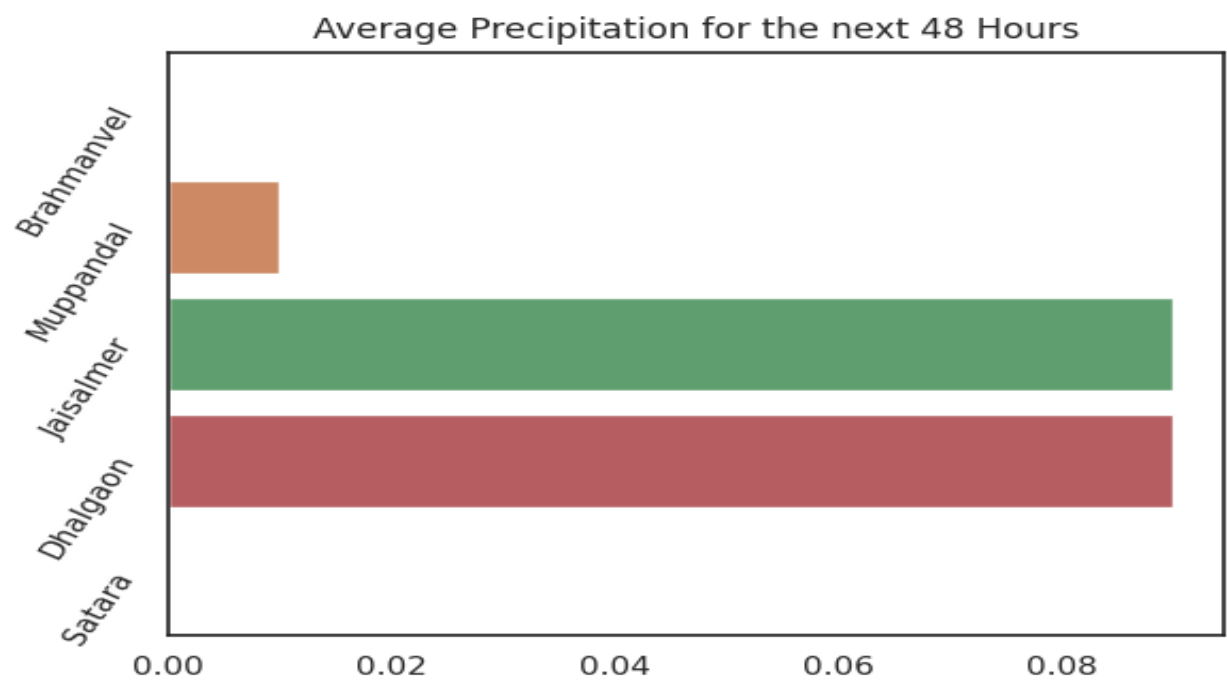
### Weather Description:

- > *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*

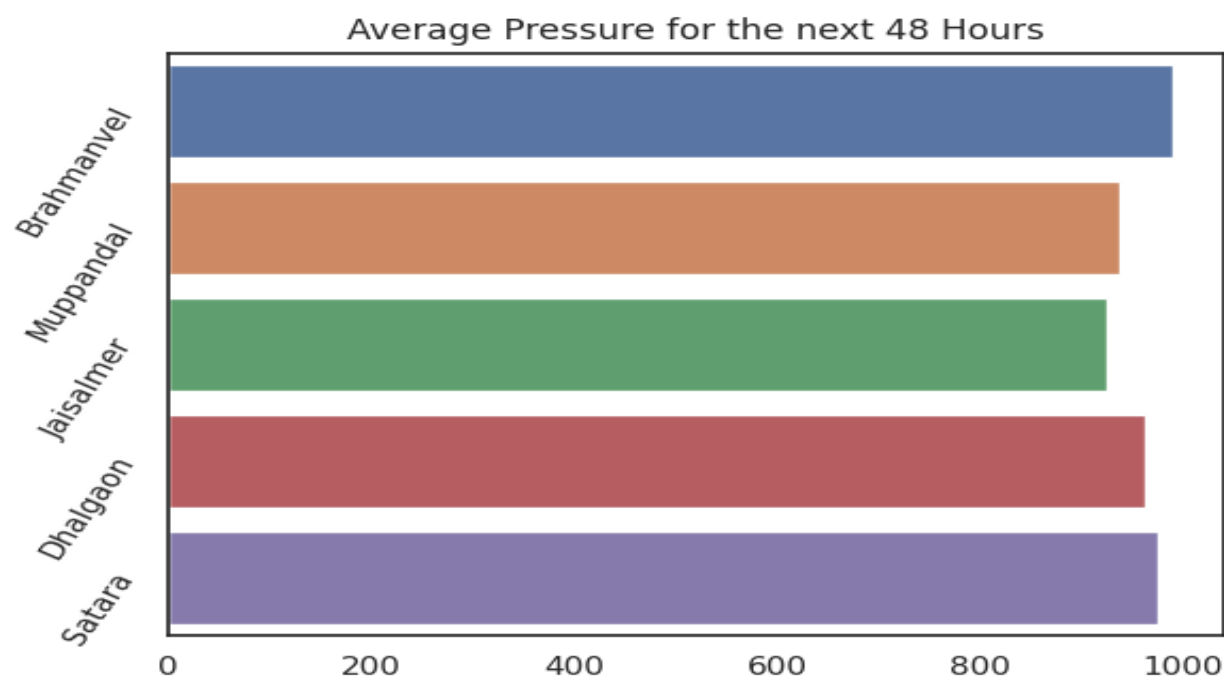
Visibility:



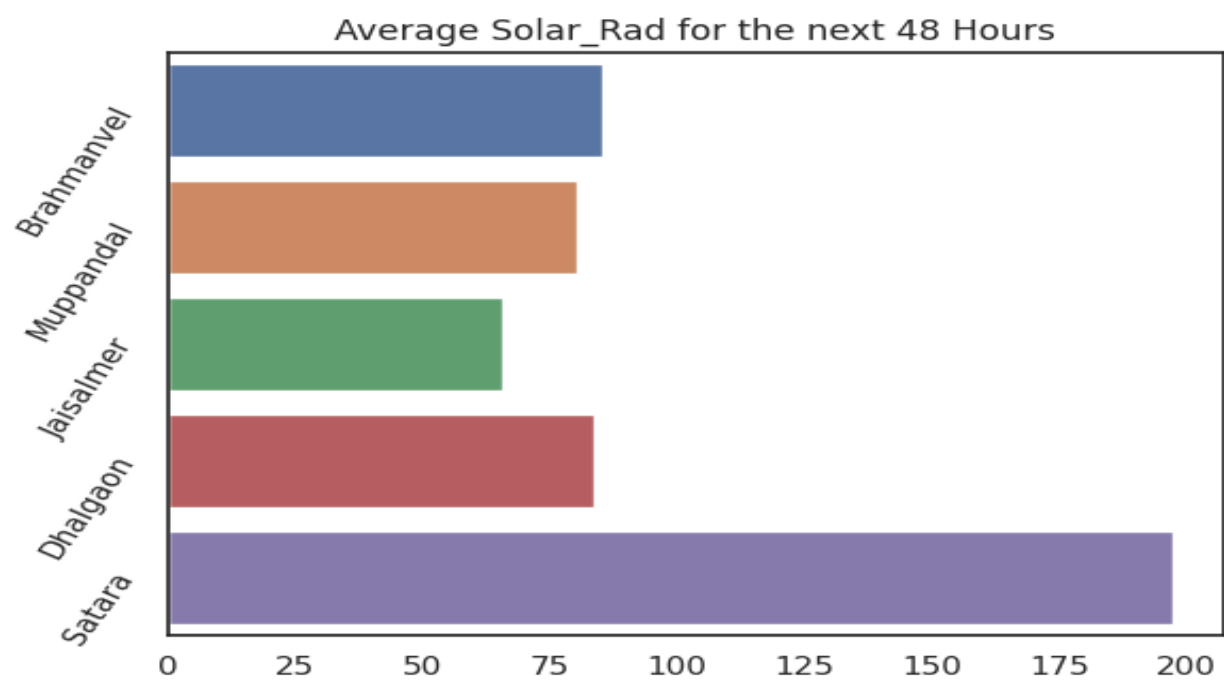
Precipitation:



Pressure:



Solar Rad:



## BEST TIME FOR POWER EXTRACTION:

### *Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-11 is 15:30:00 to 16:30:00

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

### *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-11 is 00:30:00 to 01:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-12 is 14:30:00 to 15:30:00

### *Satara*

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

>>The Best time to extract Energy from Satara farm on 2020-08-12 is 13:30:00 to 14:30:00

### *Brahmanvel*

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-11 is 16:30:00 to 17:30:00

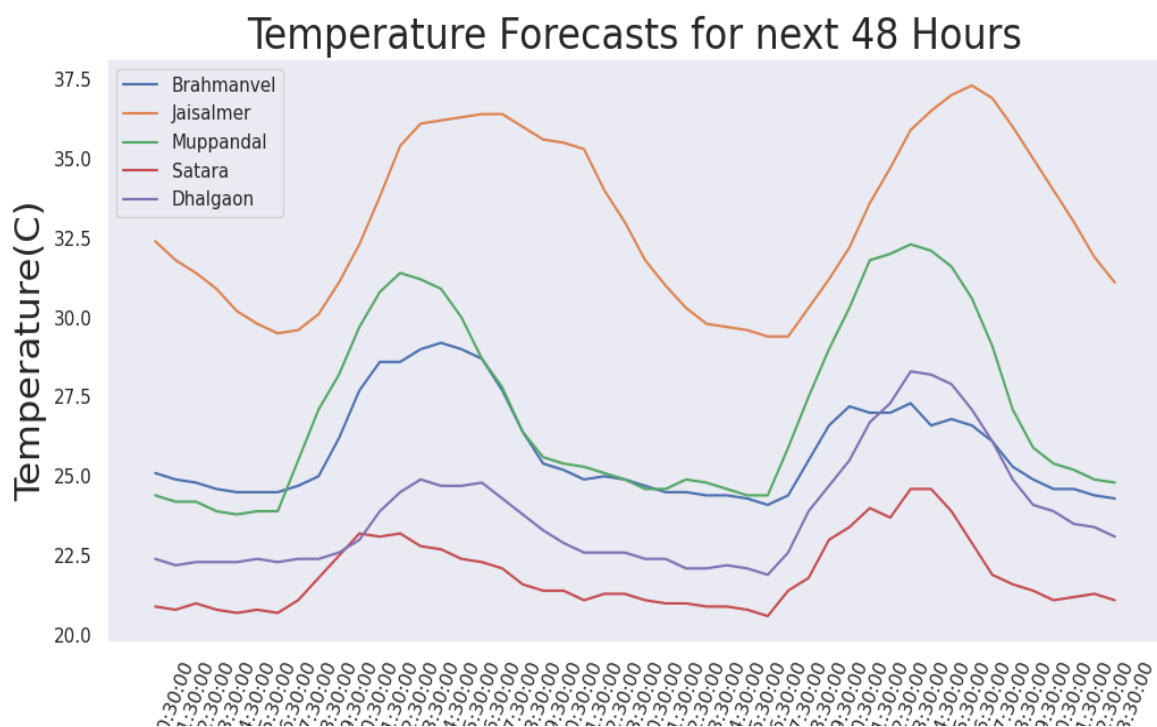
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-12 is 16:30:00 to 17:30:00

### *Jaisalmer*

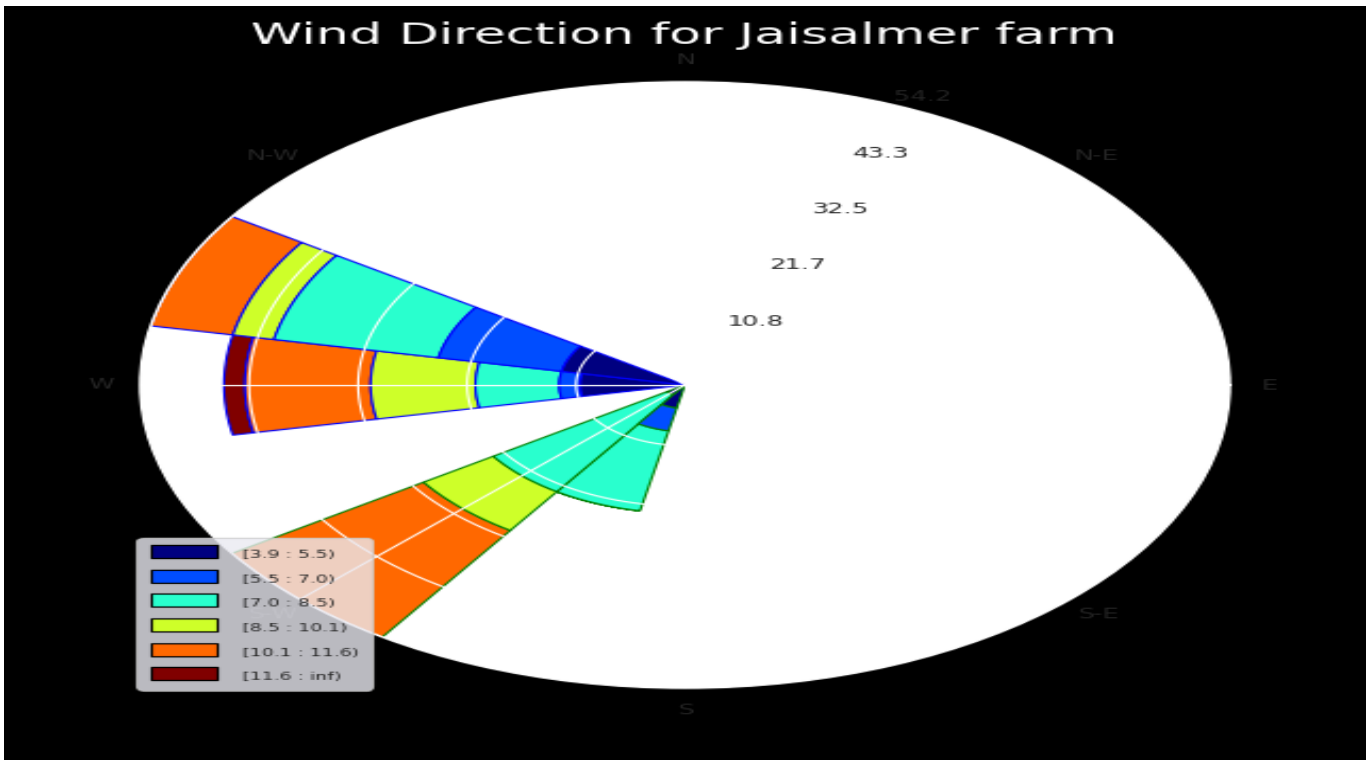
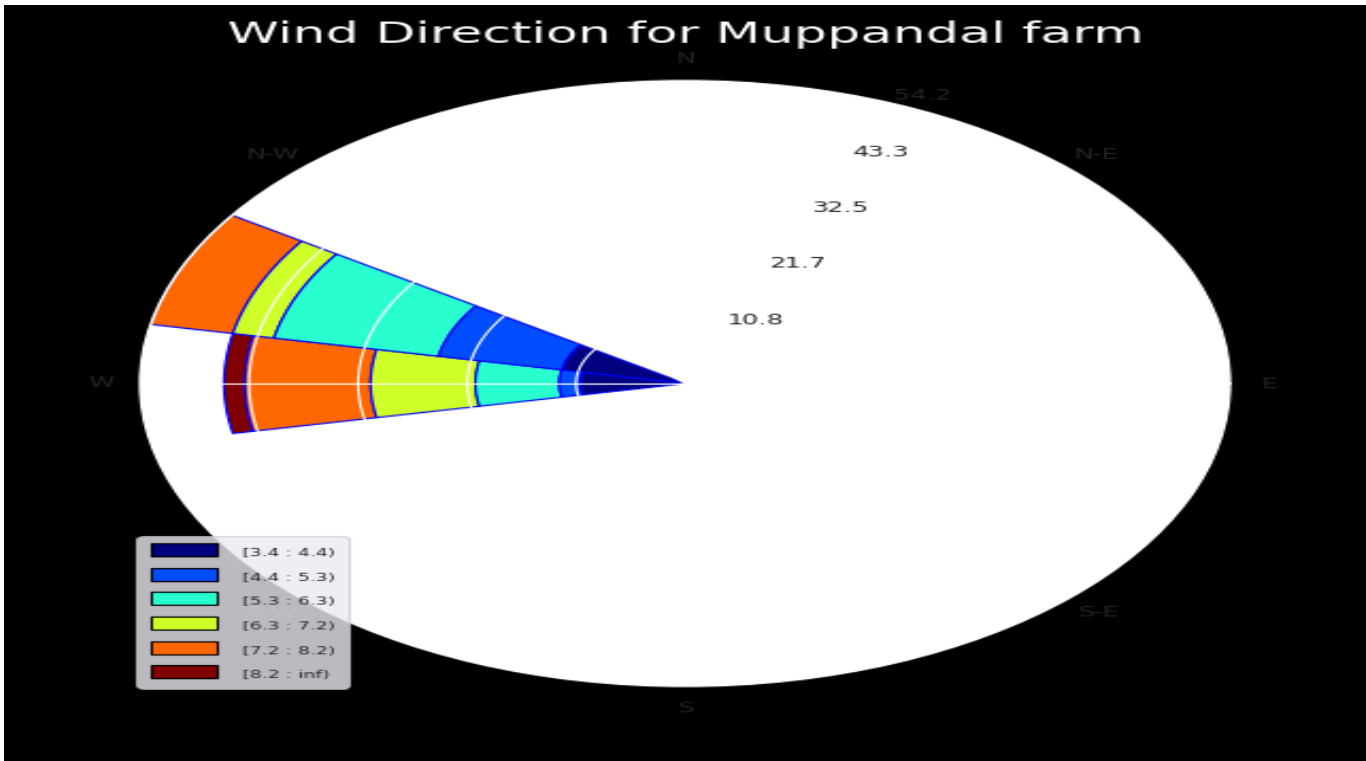
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-11 is 23:30:00 to 00:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-12 is 10:30:00 to 11:30:00

## Temperature at Farms (Next 48 hours):

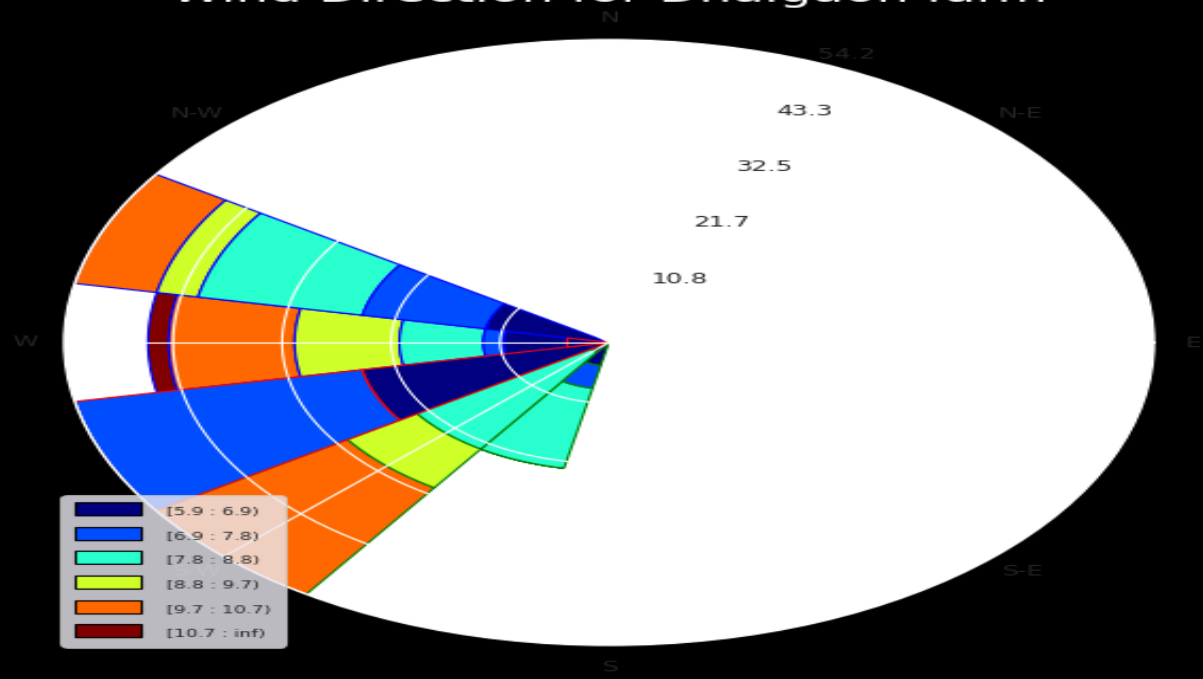


WIND DIRECTIONS FOR THE FARMS:

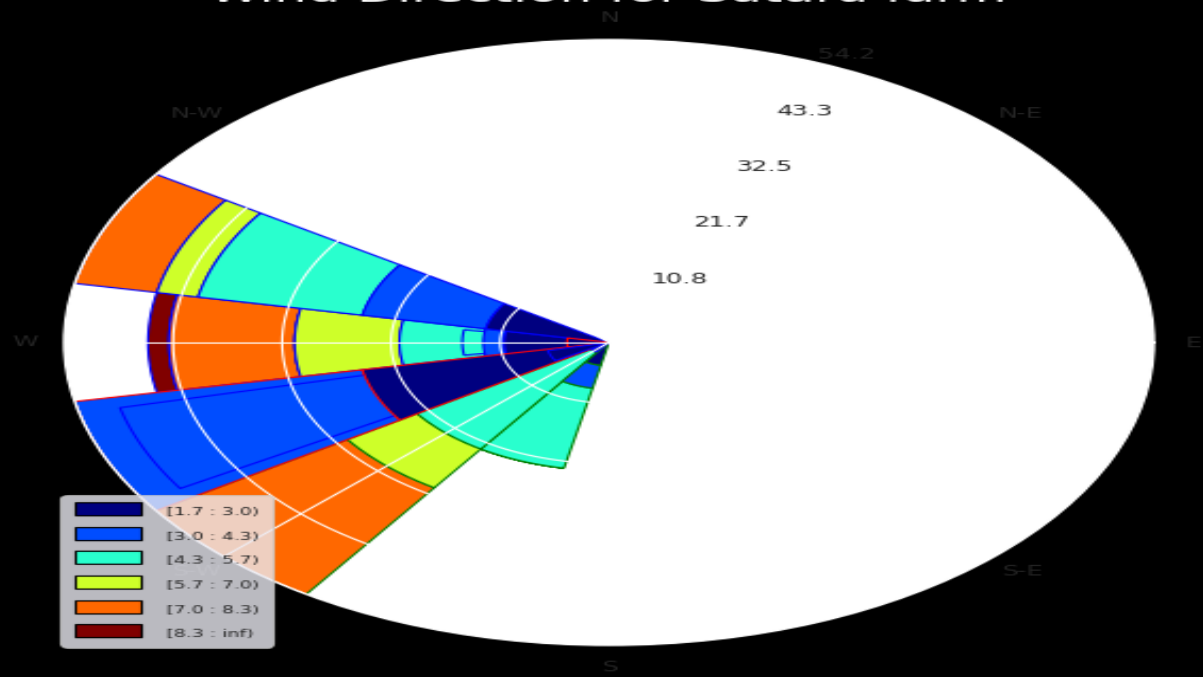




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

