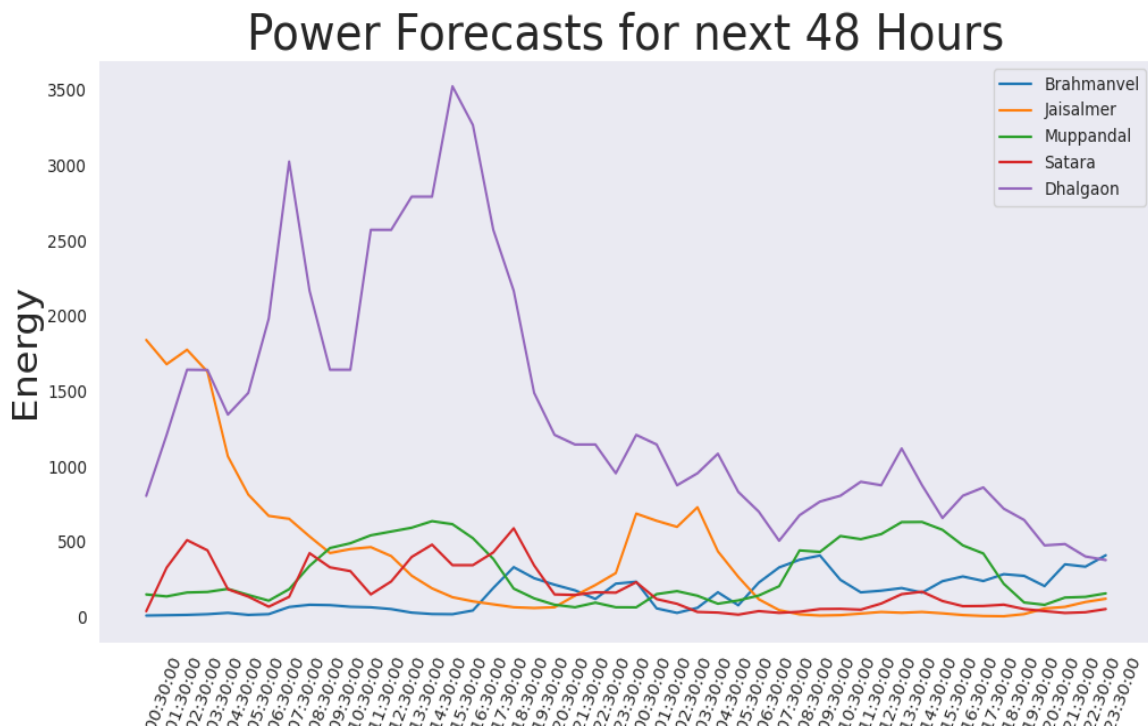


# POWER FORECAST REPORT

## 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 2020-08-04 00:30:00 is 7016.49 Watt and in 48 hours from 2020-08-04 00:30:00 is 14129.01 Watt.*

*>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-04 00:30:00 is 46765.14 Watt and in 48 hours from 2020-08-04 00:30:00 is 65511.44 Watt.*

*>>Total Power Generated by Satara farm in 24 hours from 2020-08-04 00:30:00 is 6840.89 Watt and in 48 hours from 2020-08-04 00:30:00 is 8567.01 Watt.*

*>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-04 00:30:00 is 2158.03 Watt and in 48 hours from 2020-08-04 00:30:00 is 7673.25 Watt.*

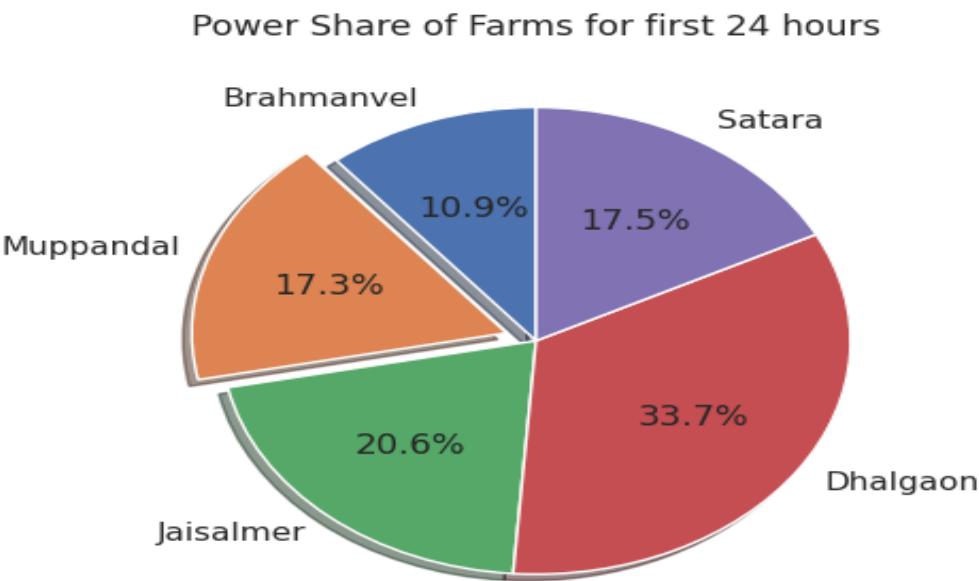
>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-04 00:30:00 is 14025.23

Watt and in 48 hours from 2020-08-04 00:30:00 is 18121.61 Watt.

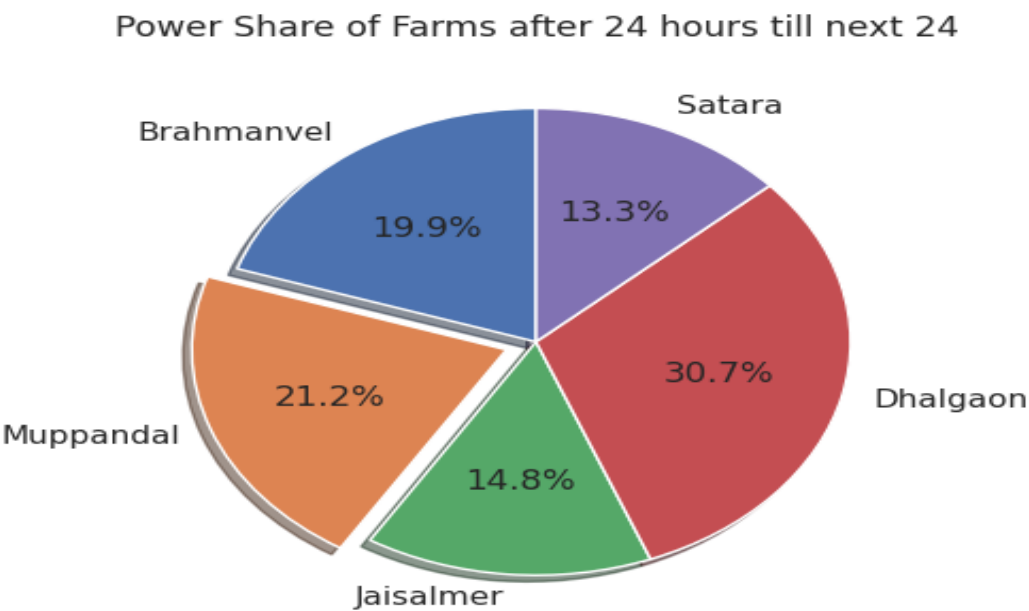
**Complete Output (1st 24 Hours):**

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	150.05	1839.19	9.92	804.41	38.58
01:30:00	136.94	1678.31	12.16	1209.19	328.03
02:30:00	162.94	1774.13	14.32	1641.63	510.57
03:30:00	166.68	1628.21	19.03	1640.12	442.71
04:30:00	187.05	1066.64	27.9	1343.72	184.81
05:30:00	146.68	812.71	14.32	1487.82	135.69
06:30:00	108.57	671.59	19.28	1980.49	68.69
07:30:00	184.83	652.06	66.88	3022.84	134.37
08:30:00	339.52	535.15	81.52	2165.46	424.04
09:30:00	457.97	425.06	79.05	1641.63	329.92
10:30:00	490.06	451.23	68.21	1641.63	304.69
11:30:00	542.5	464.04	64.9	2570.13	150.37
12:30:00	567.63	404.53	52.81	2570.13	236.45
13:30:00	592.94	274.63	29.5	2790.08	398.6
14:30:00	636.46	190.36	19.99	2790.08	480.66
15:30:00	616.34	131.71	18.72	3522.58	344.44
16:30:00	523.54	104.18	43.68	3265.82	344.44
17:30:00	385.78	84.38	192.98	2570.13	429.18
18:30:00	188.85	65.19	331.09	2165.46	589.22
19:30:00	123.93	60.04	257.94	1487.82	342.57
20:30:00	81.5	65.16	214.64	1209.19	150.19
21:30:00	65.13	142.26	177.27	1145.28	146.61

Power Share:

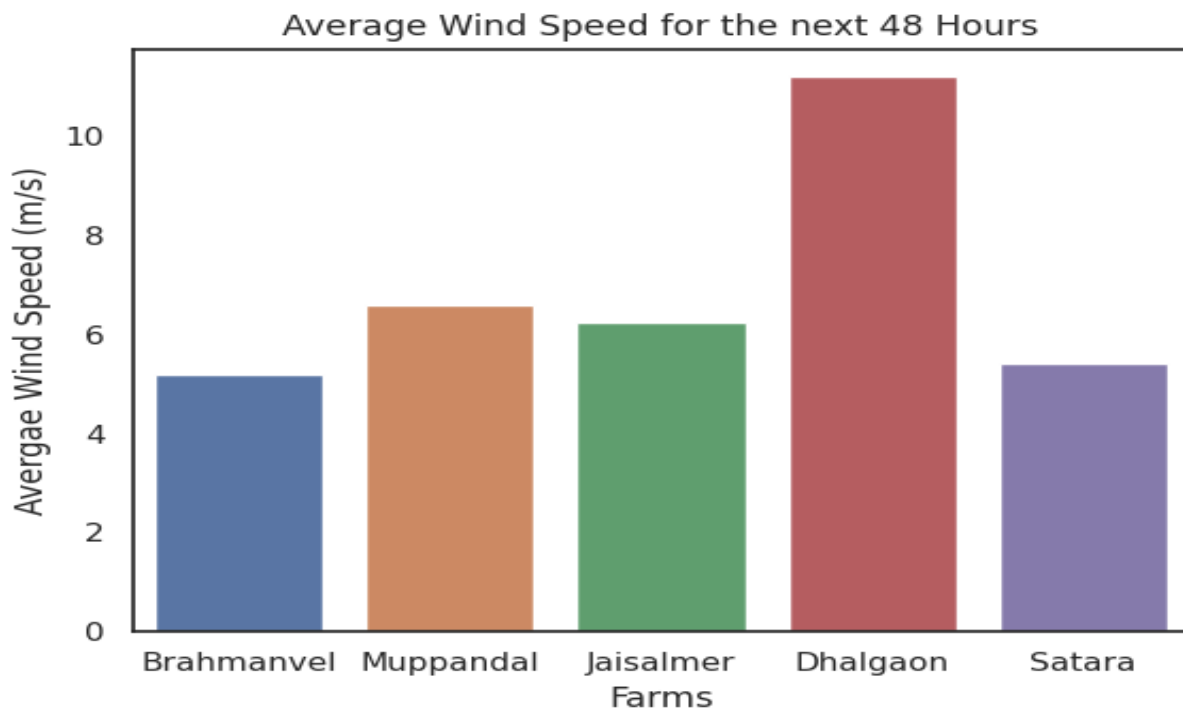


*The above displayed pie chart shows the Power Generation Share for the first 24 hours.*



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

### Wind Speed:

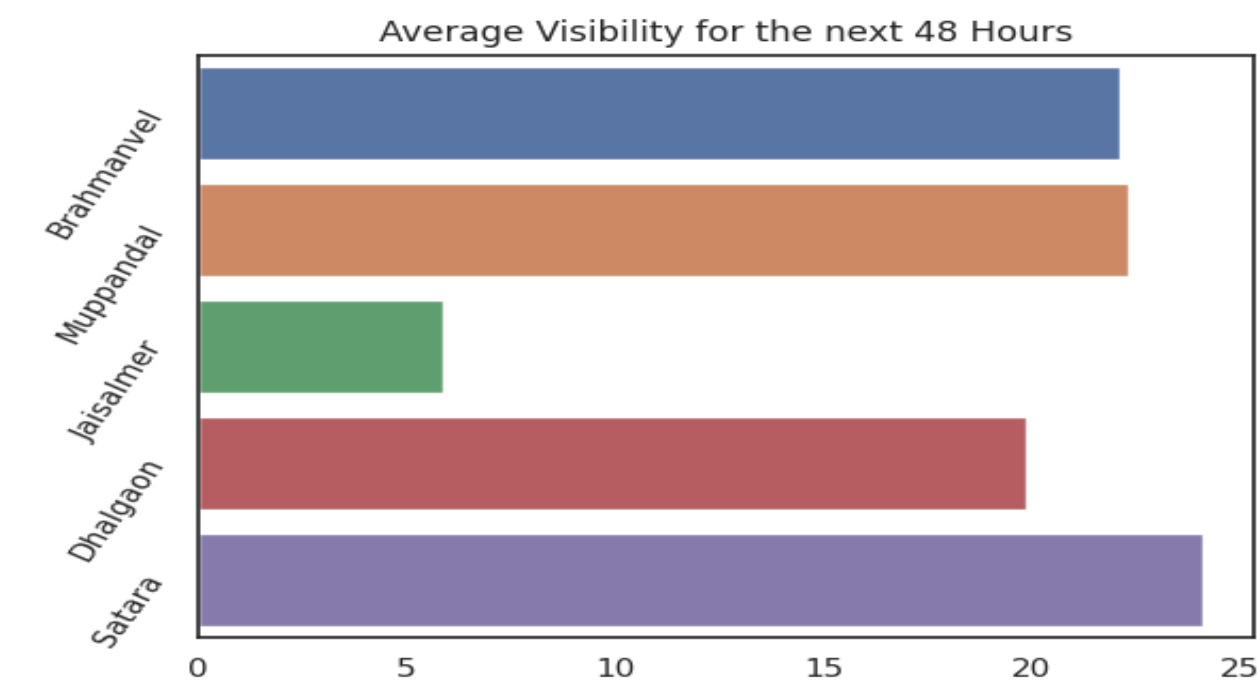


*The above mentioned graph displays the Speed Distribution over the different farm locations.*

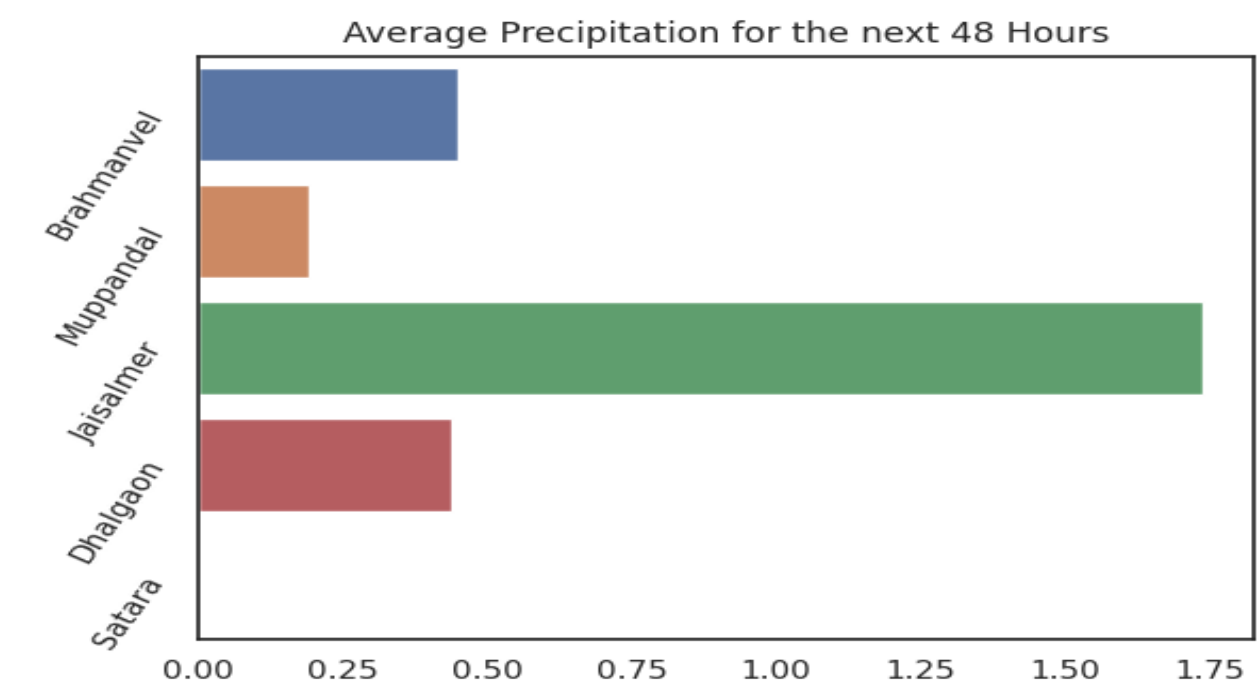
### Weather Description:

- > *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: Thunderstorm with rain*

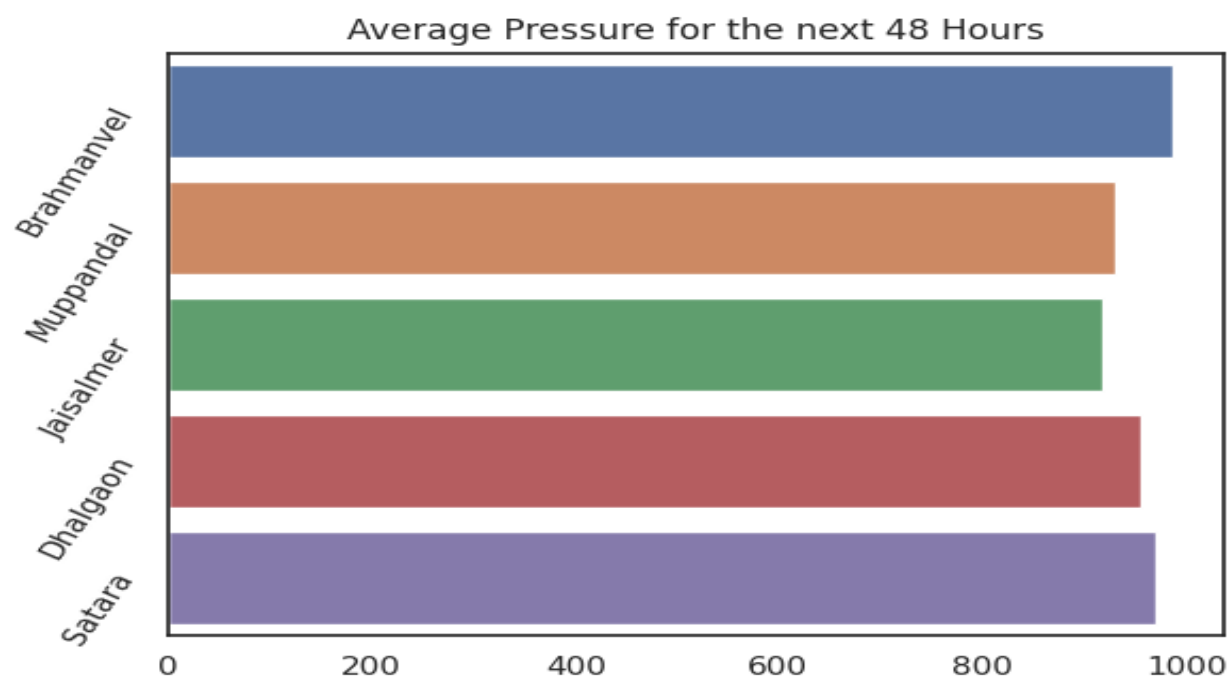
Visibility:



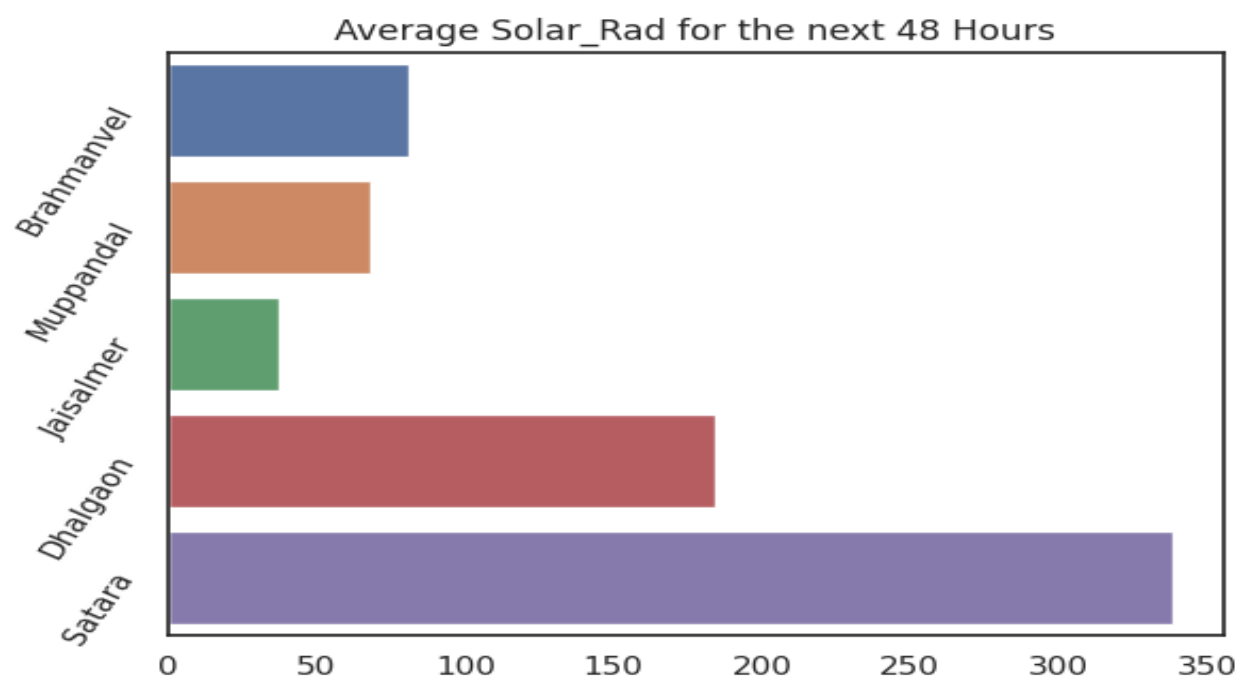
Precipitation:



Pressure:



Solar Rad:



### ***BEST TIME FOR POWER EXTRACTION:***

*Muppandal*

>>The Best time to extract Energy from Muppandal farm on 2020-08-04 is 14:30:00 to 15:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-08-05 is 14:30:00 to 15:30:00

## *Dhalgaon*

>>The Best time to extract Energy from Dhalgaon farm on 2020-08-04 is 15:30:00 to 16:30:00

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

# Satara

>>The Best time to extract Energy from Satara farm on 2020-08-04 is 18:30:00 to 19:30:00

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

# Brahmanvel

>>The Best time to extract Energy from Brahmanvel farm on 2020-08-04 is 18:30:00 to 19:30:00

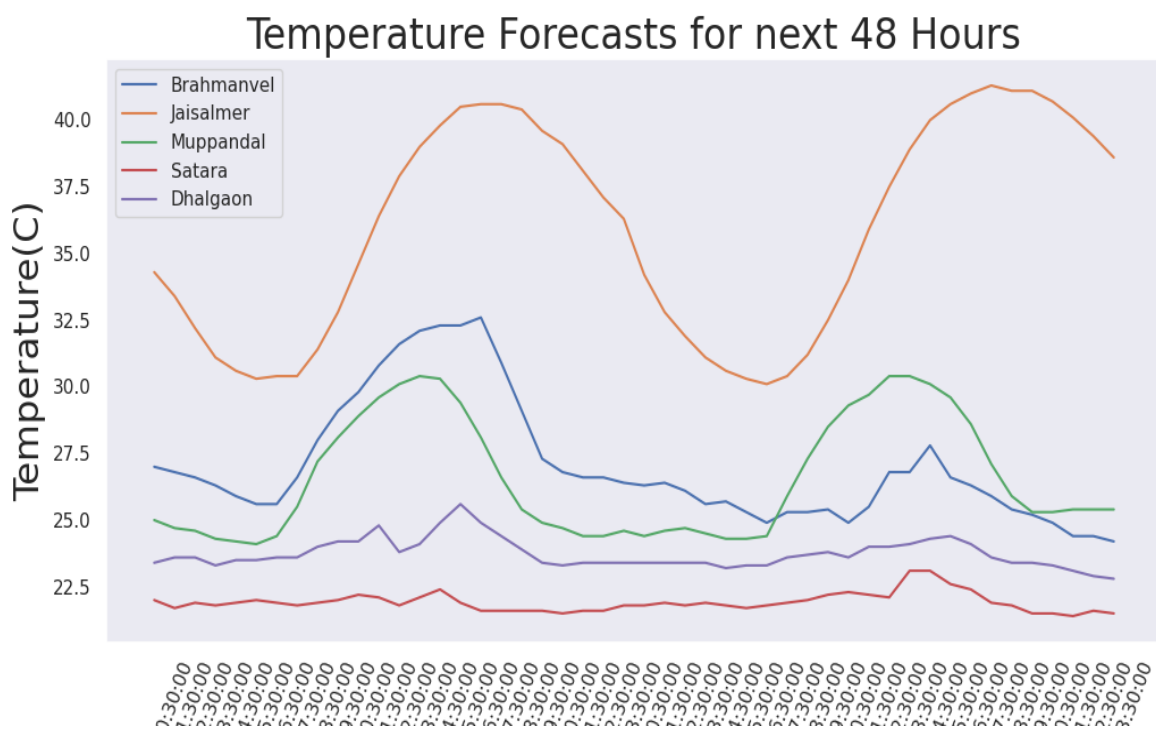
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-05 is 23:30:00 to 00:30:00

## Jaisalmer

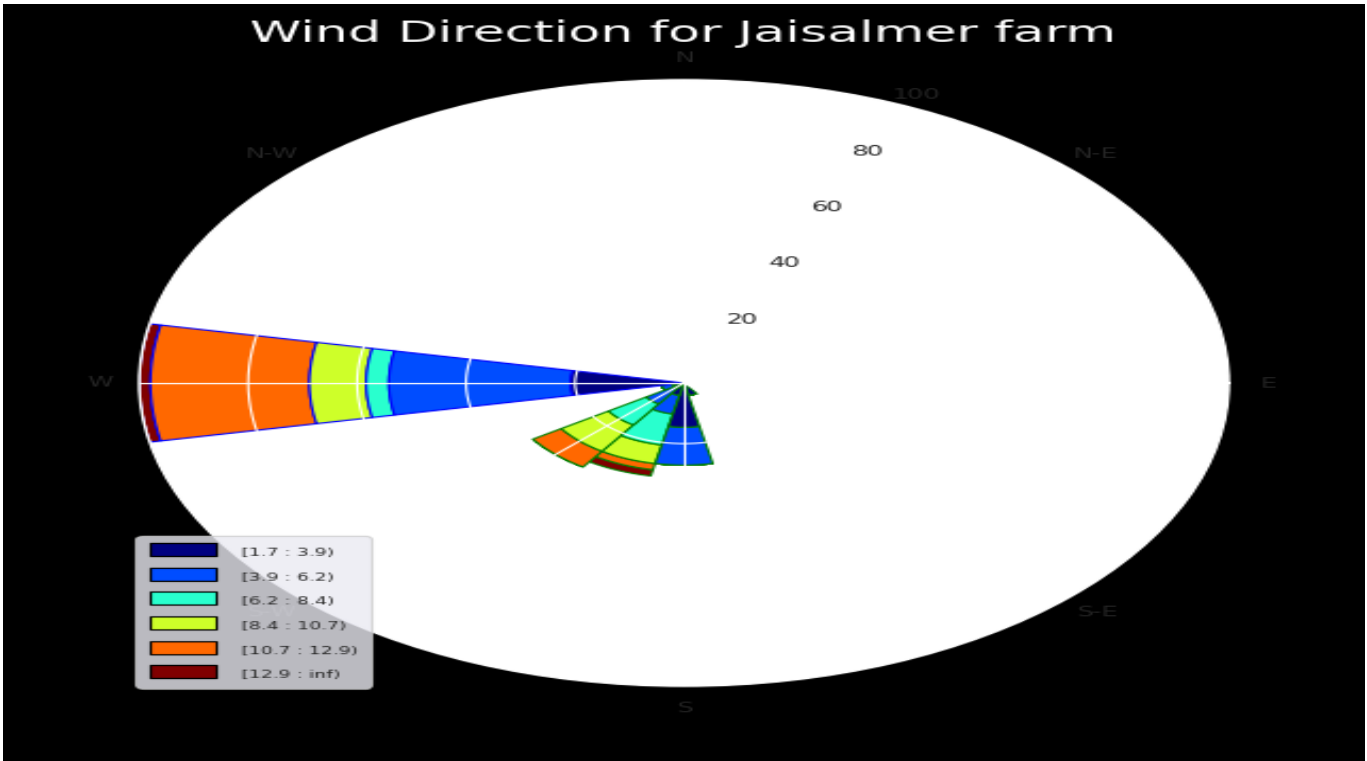
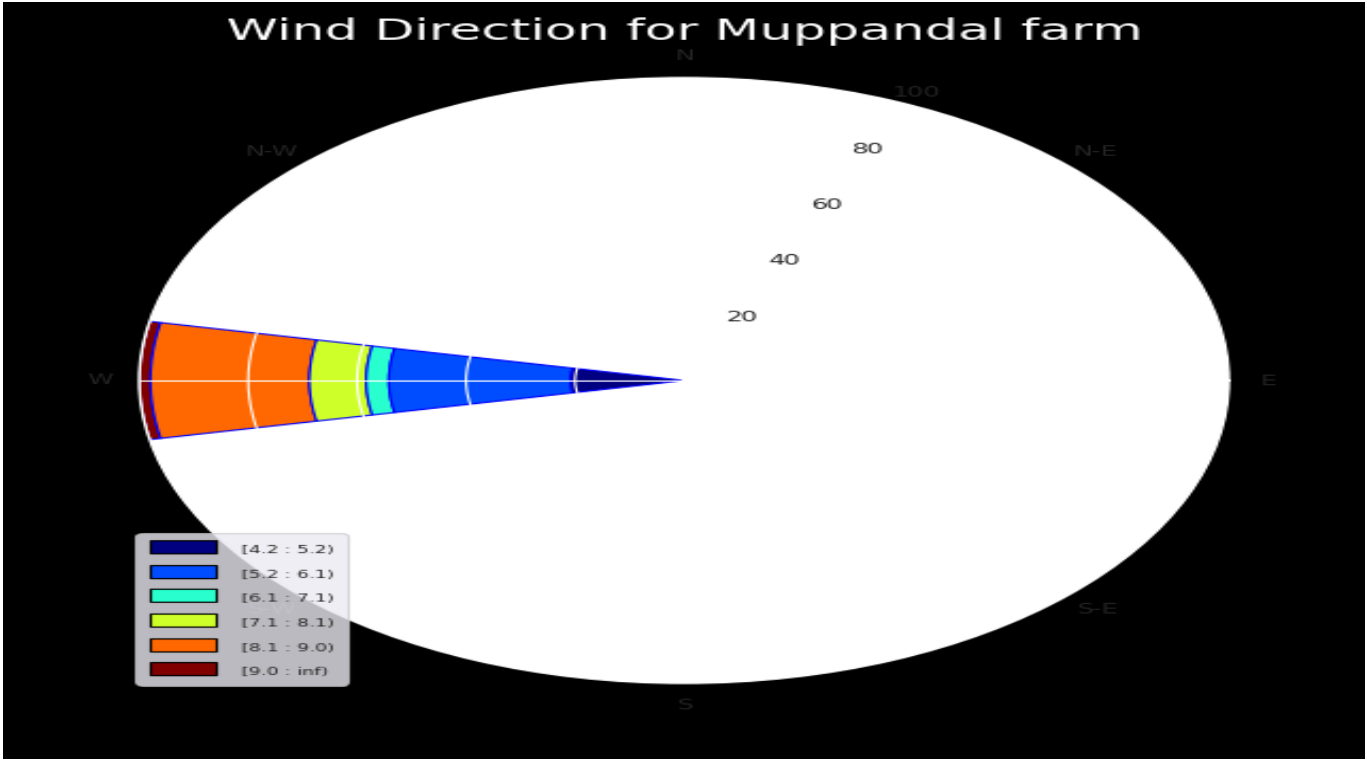
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-04 is 00:30:00 to 01:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-08-05 is 03:30:00 to 04:30:00

### Temperature at Farms (Next 48 hours):

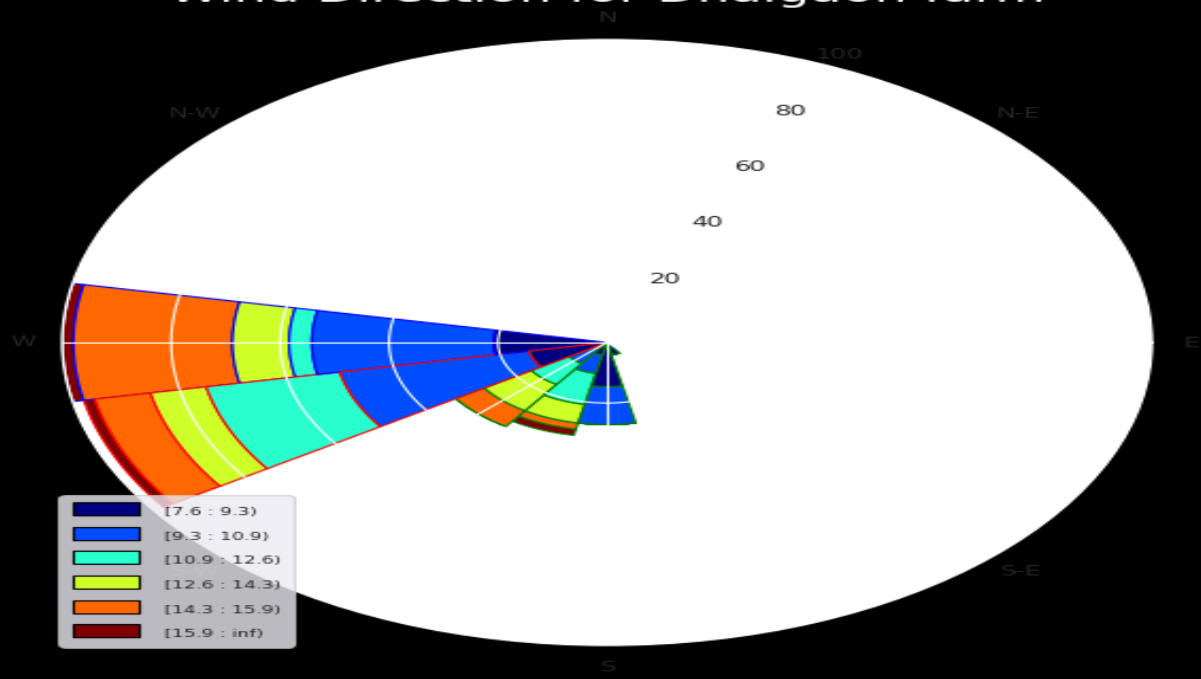


WIND DIRECTIONS FOR THE FARMS:

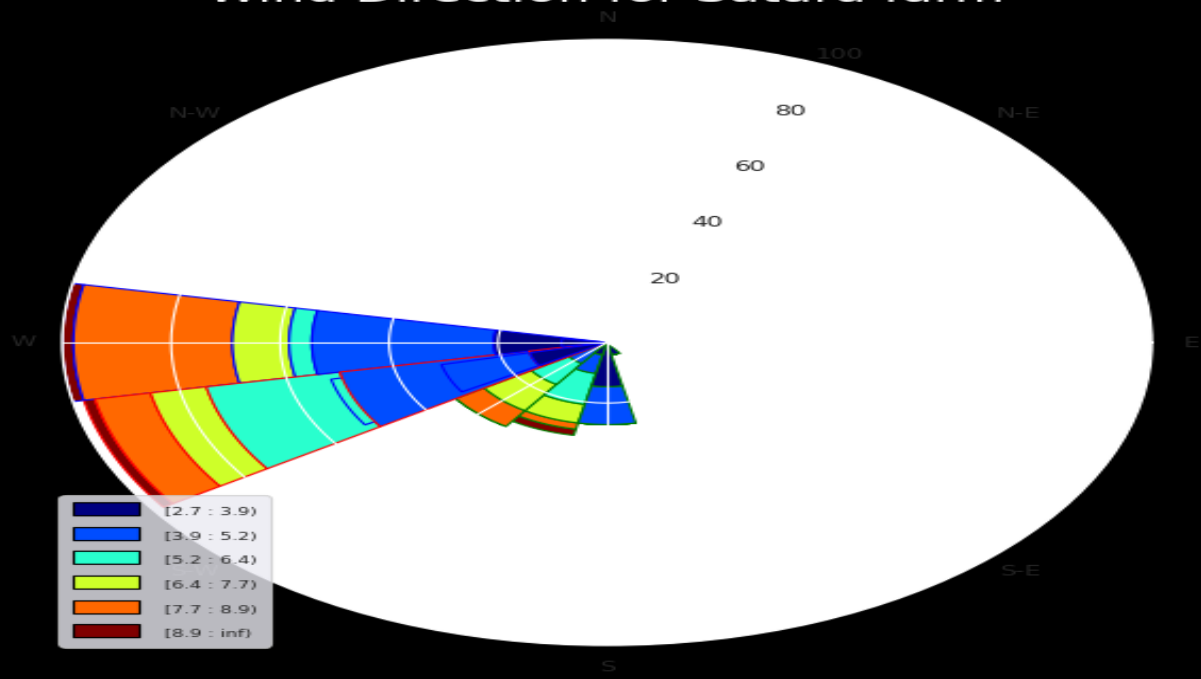




## Wind Direction for Dhalgaon farm



## Wind Direction for Satara farm



## Wind Direction for Brahmanvel farm

