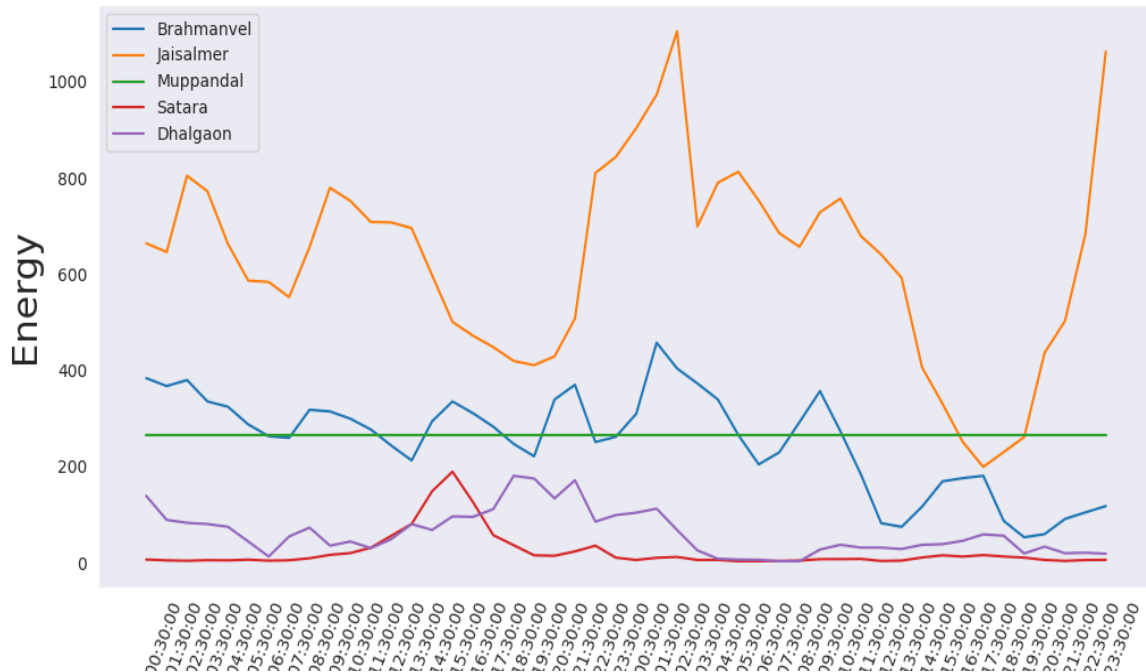


POWER FORECAST REPORT

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 2020-07-28 00:30:00 is 6381.18 Watt and in 48 hours from 2020-07-28 00:30:00 is 12762.37 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-07-28 00:30:00 is 2099.15 Watt and in 48 hours from 2020-07-28 00:30:00 is 2933.07 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-07-28 00:30:00 is 904.12 Watt and in 48 hours from 2020-07-28 00:30:00 is 1080.39 Watt.

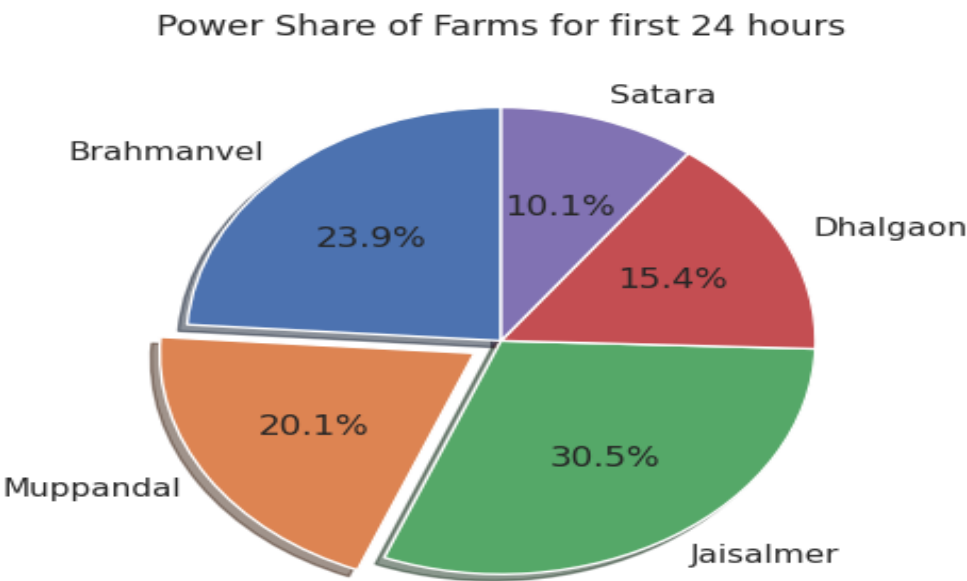
>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-07-28 00:30:00 is 7171.5 Watt and in 48 hours from 2020-07-28 00:30:00 is 12165.05 Watt.

>>Total Power Generated by Jaisalmer farm in 24 hours from 2020-07-28 00:30:00 is 15004.7 Watt
and in 48 hours from 2020-07-28 00:30:00 is 30138.5 Watt.

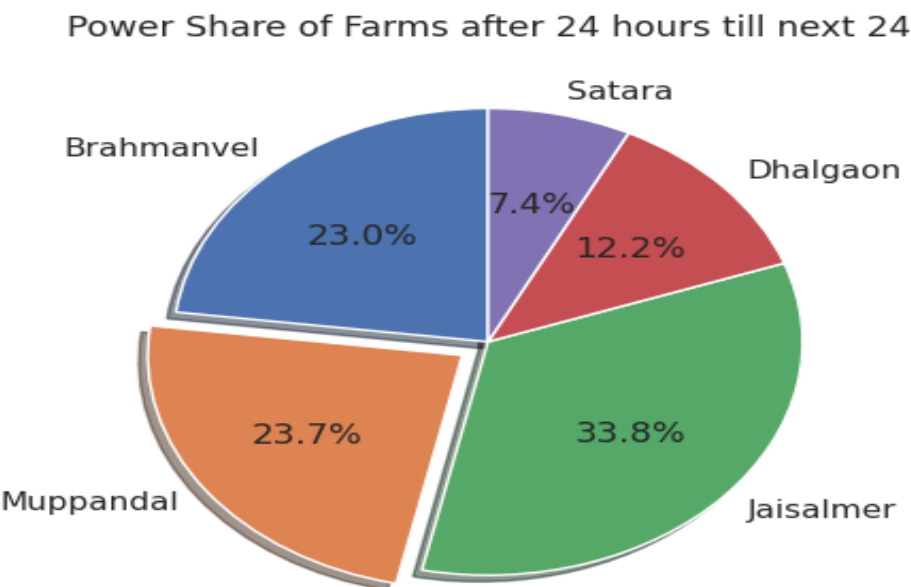
Complete Output (1st 24 Hours):

| INDEX | MUPPANDAL | JAISALMER | BRAHMANVEL | DHALGAON | SATARA |
|----------|-----------|-----------|------------|----------|--------|
| 00:30:00 | 265.88 | 663.75 | 383.5 | 138.66 | 6.25 |
| 01:30:00 | 265.88 | 645.73 | 367.01 | 88.76 | 4.61 |
| 02:30:00 | 265.88 | 804.38 | 379.45 | 82.61 | 3.75 |
| 03:30:00 | 265.88 | 771.94 | 334.95 | 80.09 | 4.97 |
| 04:30:00 | 265.88 | 662.75 | 324.05 | 74.4 | 4.61 |
| 05:30:00 | 265.88 | 586.2 | 287.12 | 43.75 | 6.05 |
| 06:30:00 | 265.88 | 583.32 | 262.7 | 12.65 | 3.97 |
| 07:30:00 | 265.88 | 551.93 | 259.24 | 54.26 | 4.84 |
| 08:30:00 | 265.88 | 655.9 | 317.62 | 72.74 | 8.94 |
| 09:30:00 | 265.88 | 779.28 | 314.24 | 35.23 | 16.0 |
| 10:30:00 | 265.88 | 751.95 | 299.1 | 43.73 | 19.71 |
| 11:30:00 | 265.88 | 708.23 | 276.73 | 30.1 | 30.93 |
| 12:30:00 | 265.88 | 707.23 | 243.4 | 48.62 | 55.62 |
| 13:30:00 | 265.88 | 695.35 | 212.35 | 80.09 | 80.2 |
| 14:30:00 | 265.88 | 597.61 | 293.58 | 67.78 | 148.03 |
| 15:30:00 | 265.88 | 500.45 | 334.94 | 95.98 | 189.01 |
| 16:30:00 | 265.88 | 471.81 | 310.64 | 94.93 | 125.98 |
| 17:30:00 | 265.88 | 447.93 | 282.47 | 111.24 | 56.94 |
| 18:30:00 | 265.88 | 419.18 | 246.64 | 180.41 | 36.08 |
| 19:30:00 | 265.88 | 410.48 | 220.99 | 174.71 | 15.05 |
| 20:30:00 | 265.88 | 428.68 | 339.01 | 133.4 | 14.14 |
| 21:30:00 | 265.88 | 507.33 | 369.73 | 171.21 | 23.15 |

Power Share:

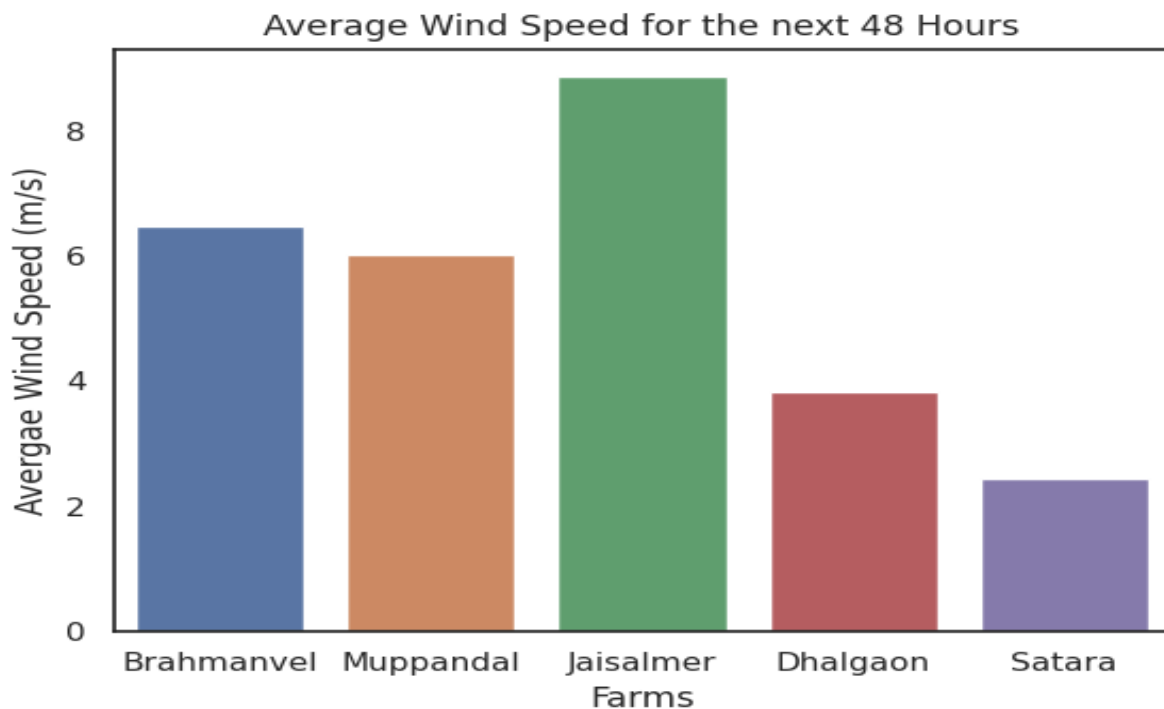


The above displayed pie chart shows the Power Generation Share for the first 24 hours.



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

Wind Speed:

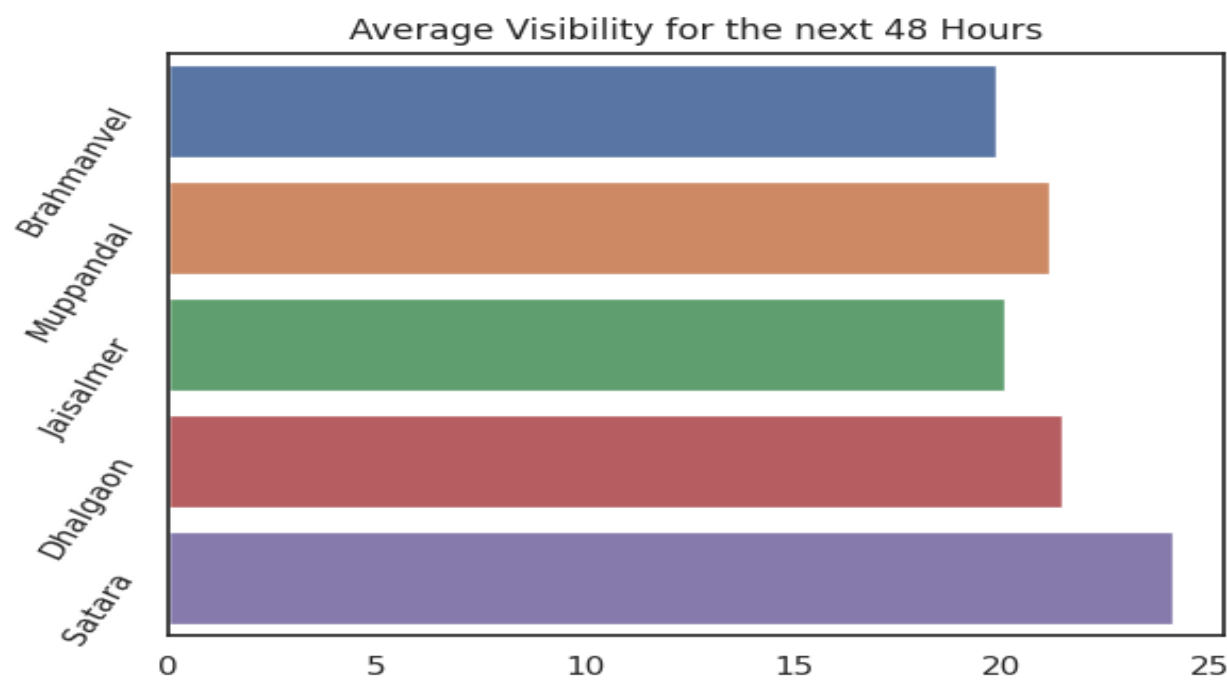


The above mentioned graph displays the Speed Distribution over the different farm locations.

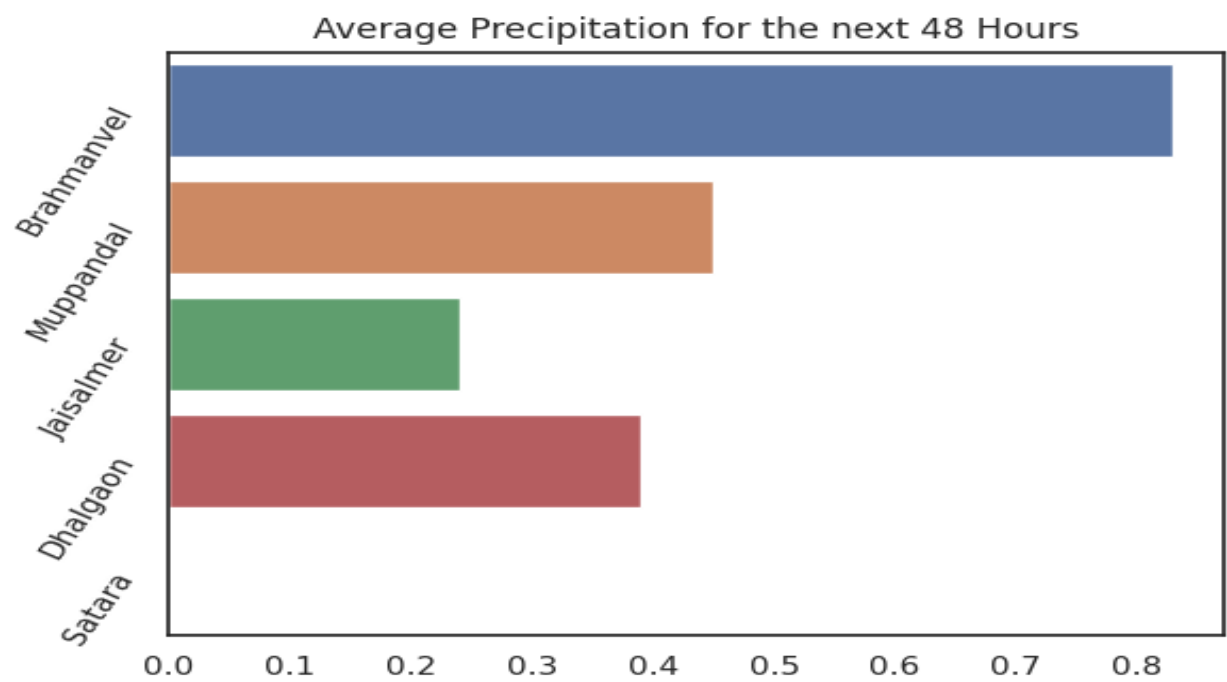
Weather Description:

- > *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*

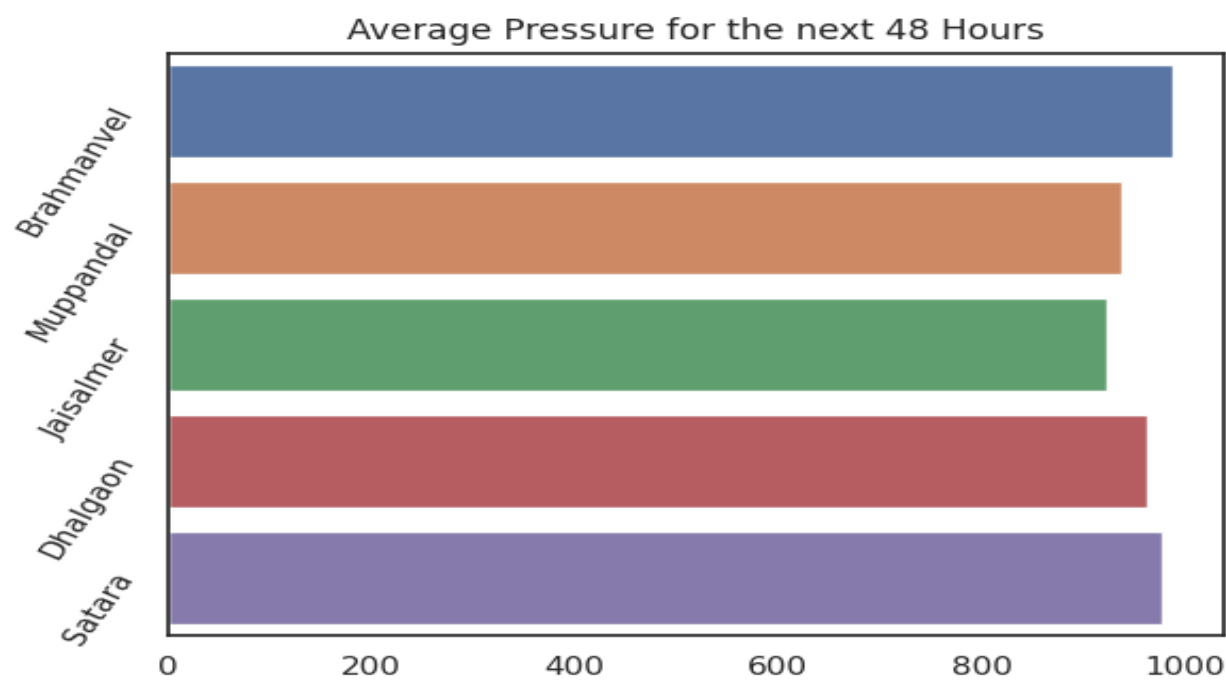
Visibility:



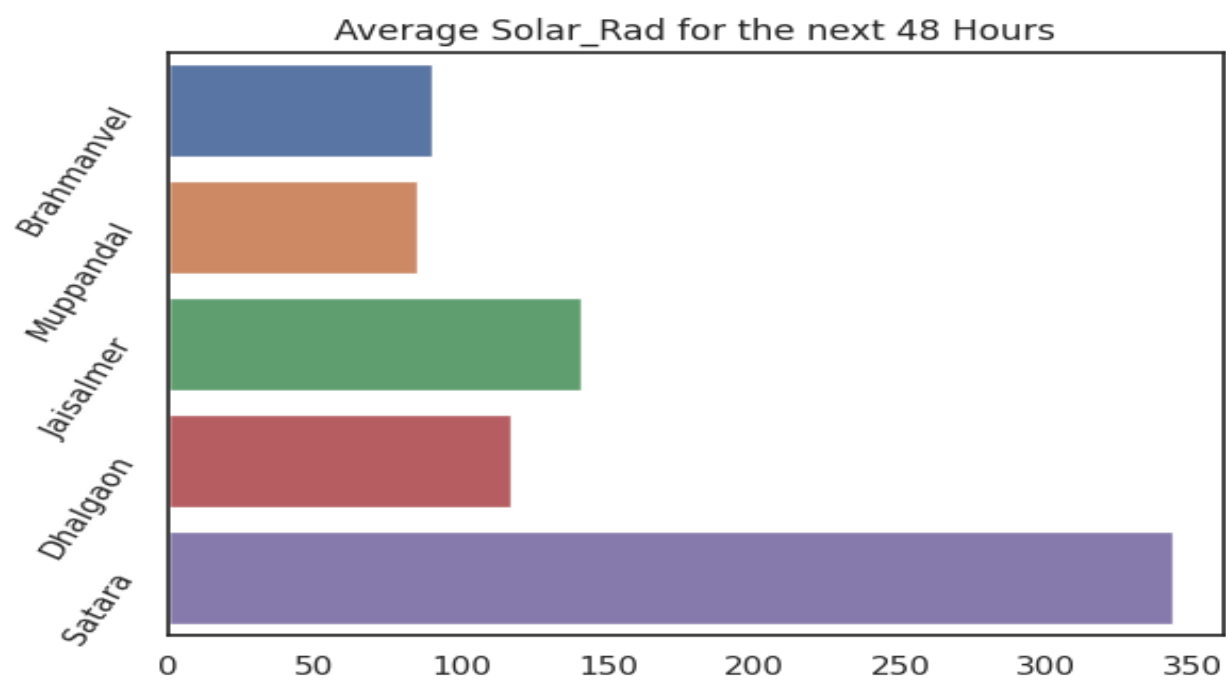
Precipitation:



Pressure:



Solar Rad:



BEST TIME FOR POWER EXTRACTION:

Muppandal

>>The Best time to extract Energy from Muppandal farm on 2020-07-28 is 00:30:00 to 01:30:00

>>The Best time to extract Energy from Muppandal farm on 2020-07-29 is 00:30:00 to 01:30:00

Dhalgaon

>>The Best time to extract Energy from Dhalgaon farm on 2020-07-28 is 18:30:00 to 19:30:00

>>The Best time to extract Energy from Dhalgaon farm on 2020-07-29 is 01:30:00 to 02:30:00

Satara

>>The Best time to extract Energy from Satara farm on 2020-07-28 is 15:30:00 to 16:30:00

>>The Best time to extract Energy from Satara farm on 2020-07-29 is 17:30:00 to 18:30:00

Brahmanvel

>>The Best time to extract Energy from Brahmanvel farm on 2020-07-28 is 00:30:00 to 01:30:00

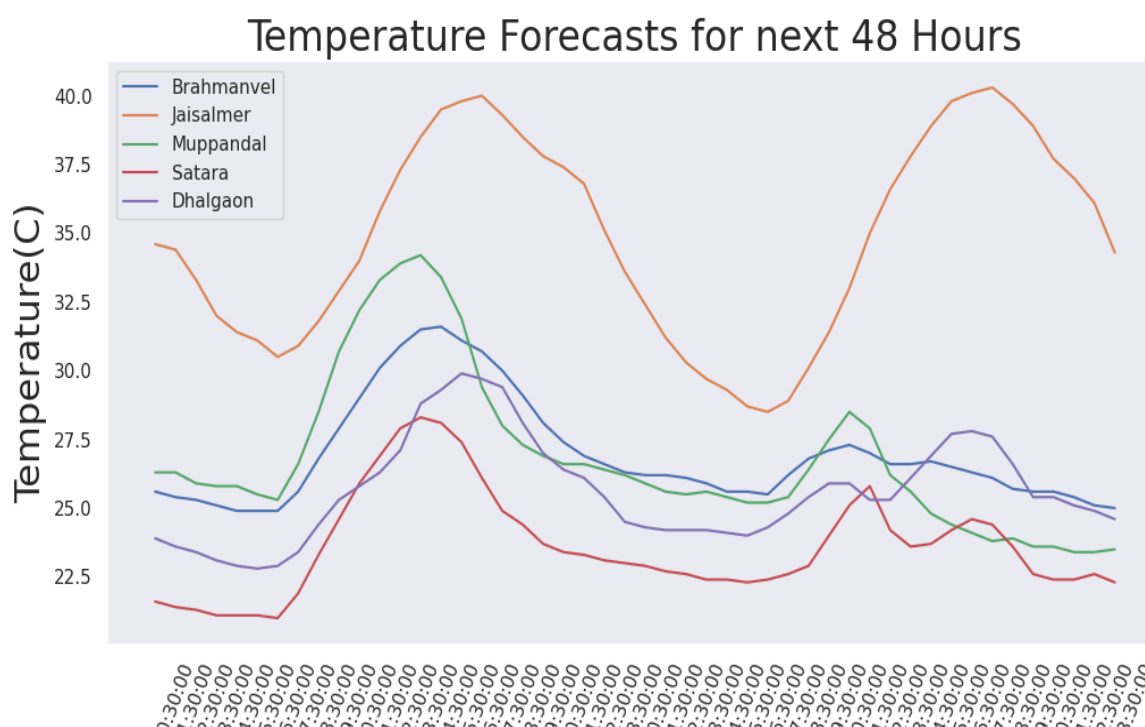
>>The Best time to extract Energy from Brahmanvel farm on 2020-07-29 is 01:30:00 to 02:30:00

Jaisalmer

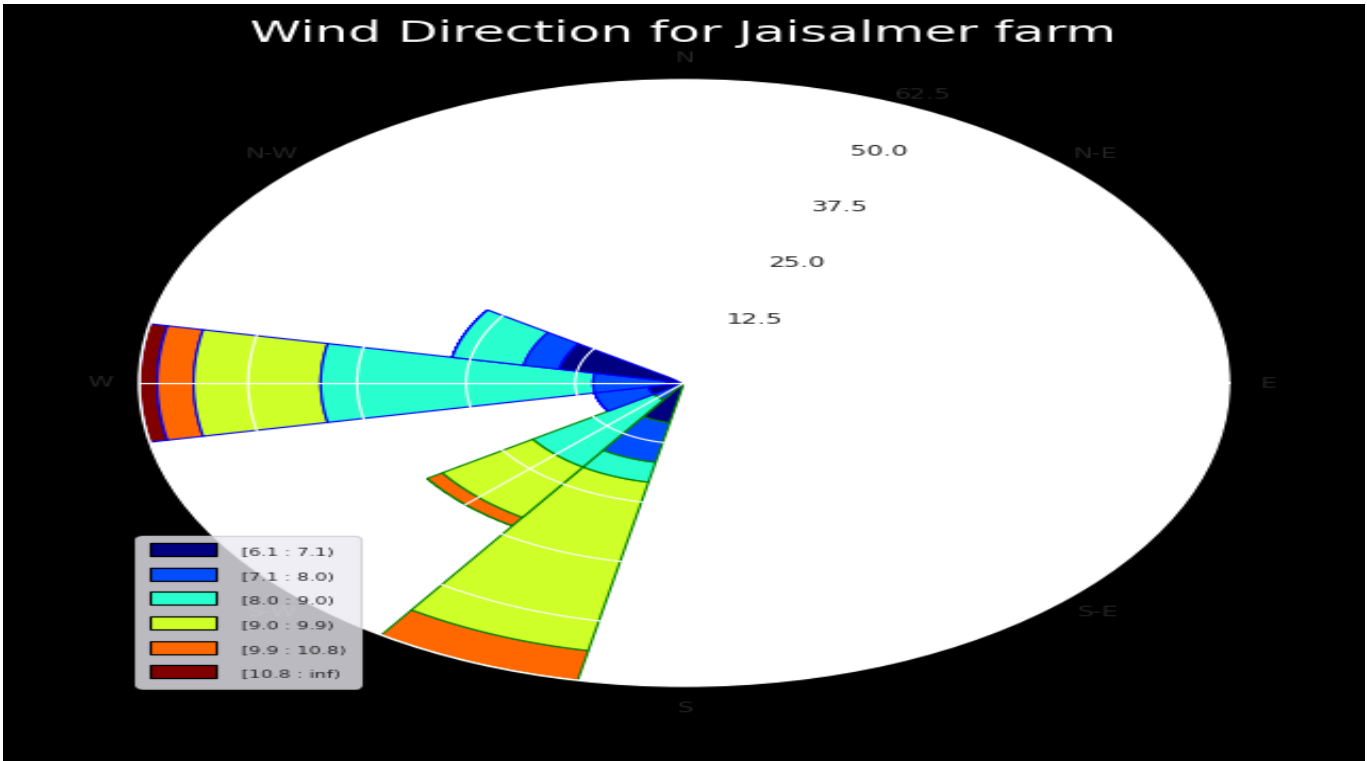
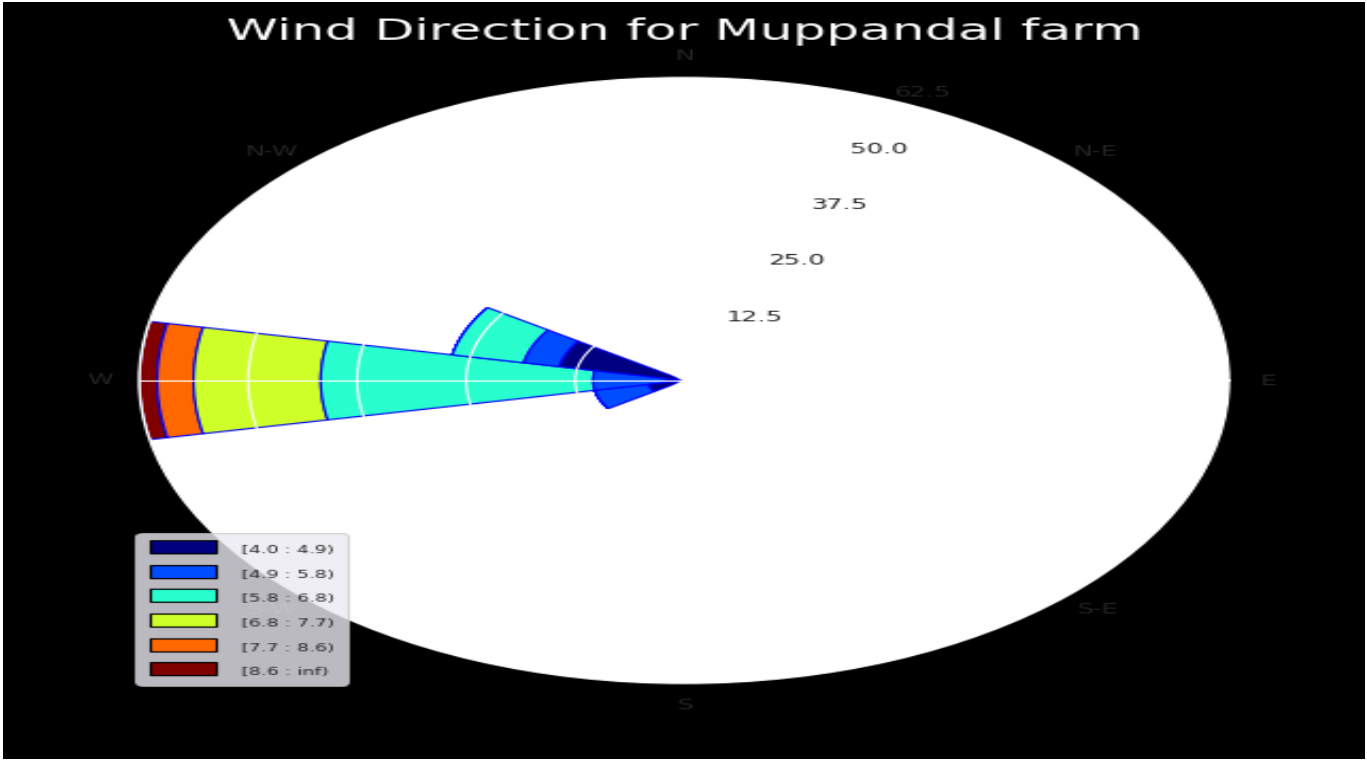
>>The Best time to extract Energy from Jaisalmer farm on 2020-07-28 is 23:30:00 to 00:30:00

>>The Best time to extract Energy from Jaisalmer farm on 2020-07-29 is 02:30:00 to 03:30:00

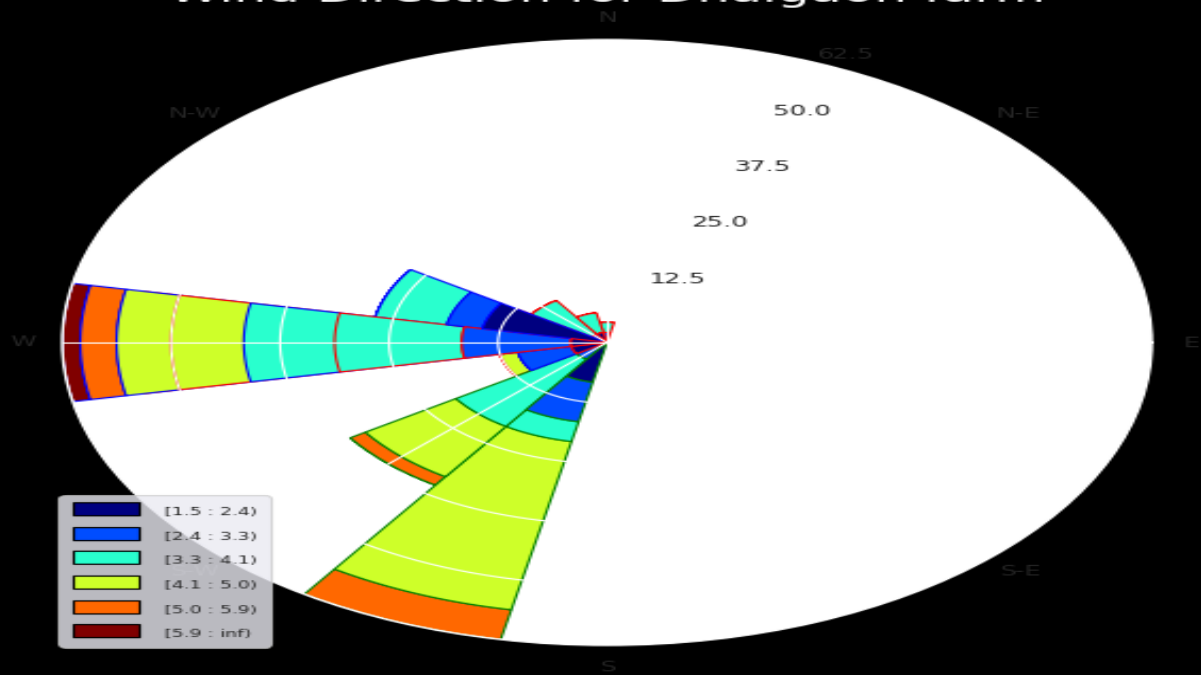
Temperature at Farms (Next 48 hours):



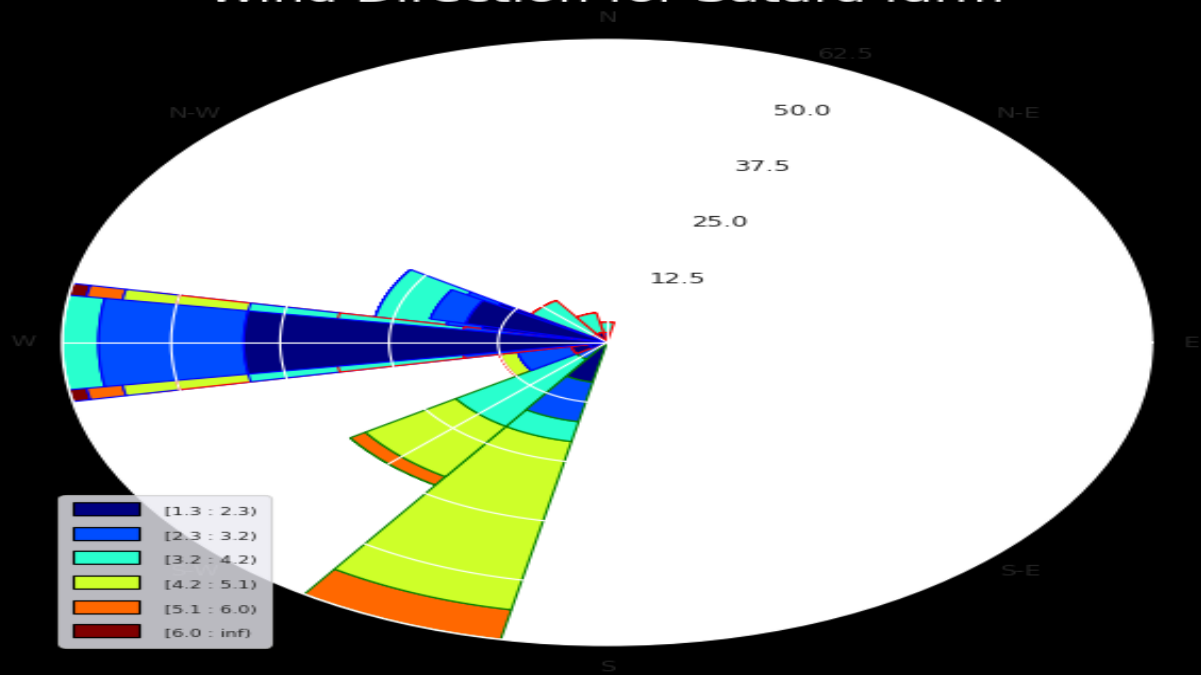
WIND DIRECTIONS FOR THE FARMS:



Wind Direction for Dhalgaon farm



Wind Direction for Satara farm



Wind Direction for Brahmanvel farm

