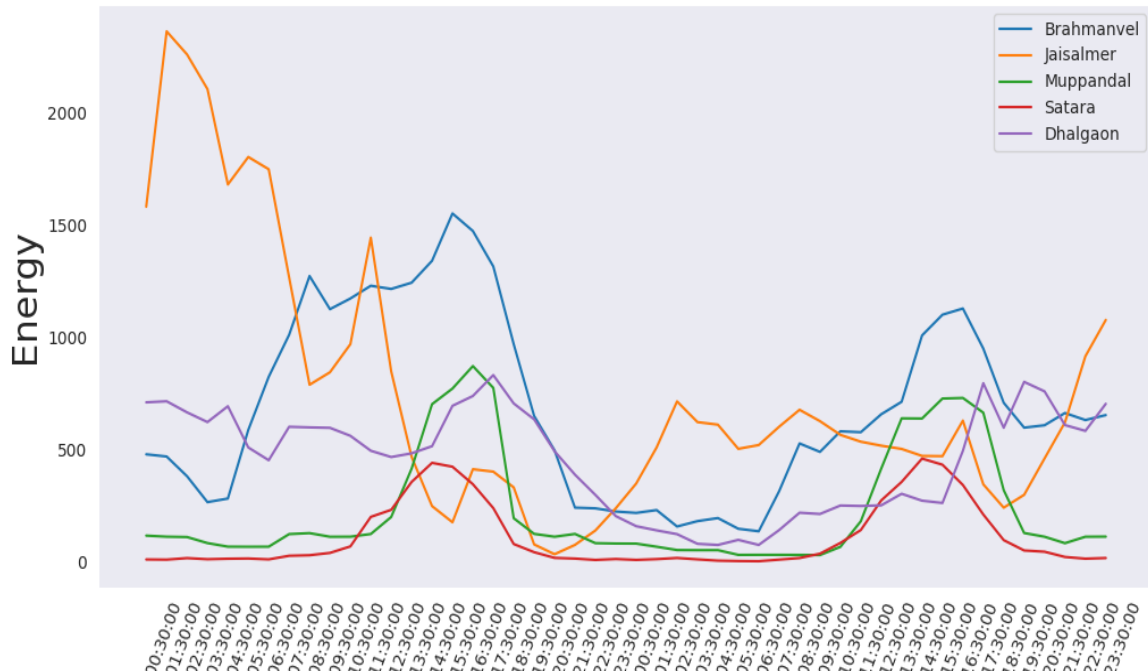# *POWER FORECAST REPORT*

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 2020-08-25 00:30:00 is 5669.91 Watt and in 48 hours from 2020-08-25 00:30:00 is 11048.22 Watt.

>>Total Power Generated by Dhalgaon farm in 24 hours from 2020-08-25 00:30:00 is 13659.5 Watt and in 48 hours from 2020-08-25 00:30:00 is 21905.71 Watt.

>>Total Power Generated by Satara farm in 24 hours from 2020-08-25 00:30:00 is 2659.13 Watt and in 48 hours from 2020-08-25 00:30:00 is 5321.14 Watt.

>>Total Power Generated by Brahmanvel farm in 24 hours from 2020-08-25 00:30:00 is 20040.76 Watt and in 48 hours from 2020-08-25 00:30:00 is 33201.43 Watt.
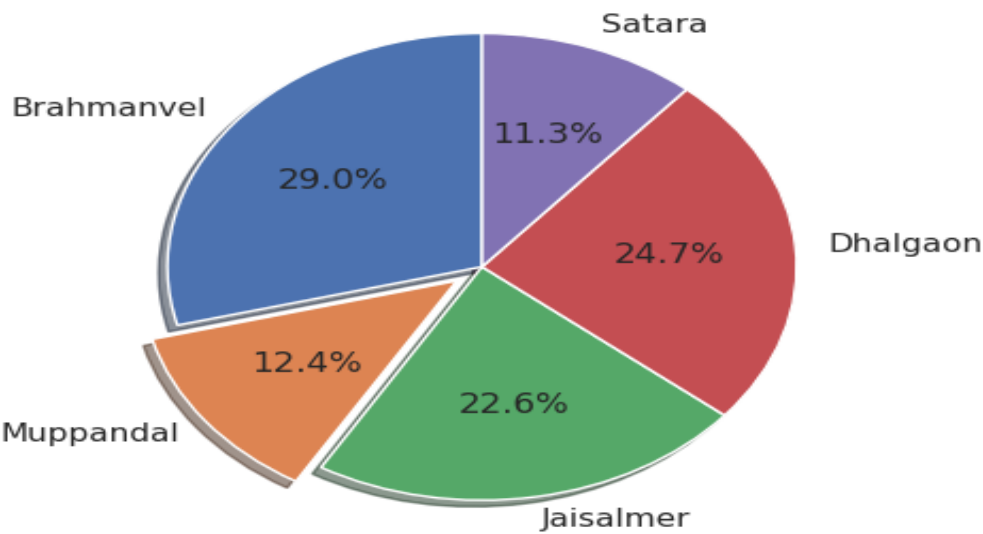
>>*Total Power Generated by Jaisalmer farm in 24 hours from 2020-08-25 00:30:00 is 22284.3 Watt and in 48 hours from 2020-08-25 00:30:00 is 35656.9 Watt.*

Complete Output (1st 24 Hours):

INDEX	MUPPANDAL	JAISALMER	BRAHMANVEL	DHALGAON	SATARA
00:30:00	116.42	1580.37	478.37	709.69	10.43
01:30:00	111.69	2360.78	468.54	714.37	9.64
02:30:00	110.16	2257.83	380.7	664.96	16.39
03:30:00	83.23	2103.65	265.45	621.77	11.42
04:30:00	67.35	1679.28	281.56	692.32	13.65
05:30:00	66.99	1801.64	587.24	508.79	14.6
06:30:00	67.23	1746.99	823.32	451.97	10.72
07:30:00	123.22	1265.58	1010.32	600.84	26.83
08:30:00	127.6	787.91	1271.76	598.19	29.2
09:30:00	111.38	843.55	1124.3	596.14	39.54
10:30:00	111.67	968.58	1171.81	560.63	68.44
11:30:00	123.59	1442.63	1228.57	494.15	199.79
12:30:00	199.5	847.0	1214.26	466.16	231.3
13:30:00	414.76	466.85	1242.15	482.77	355.46
14:30:00	701.49	247.81	1339.68	514.45	440.32
15:30:00	770.93	175.88	1550.26	694.08	423.1
16:30:00	871.0	411.93	1472.13	737.9	345.26
17:30:00	773.94	401.18	1314.31	830.95	238.96
18:30:00	193.81	331.1	968.35	704.74	79.03
19:30:00	124.2	77.24	649.1	633.92	42.73
20:30:00	111.55	33.64	496.0	492.08	17.4
21:30:00	123.92	75.15	241.03	387.7	14.3

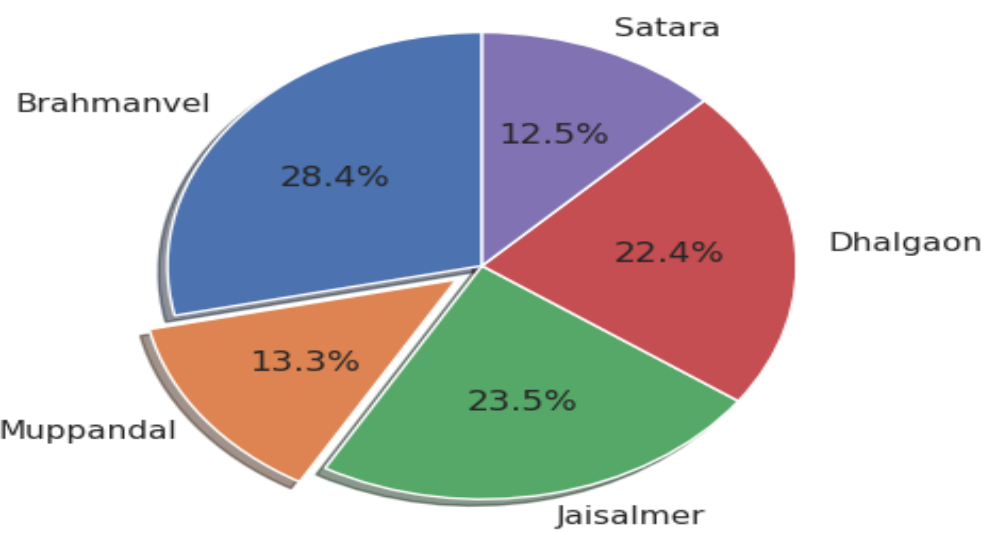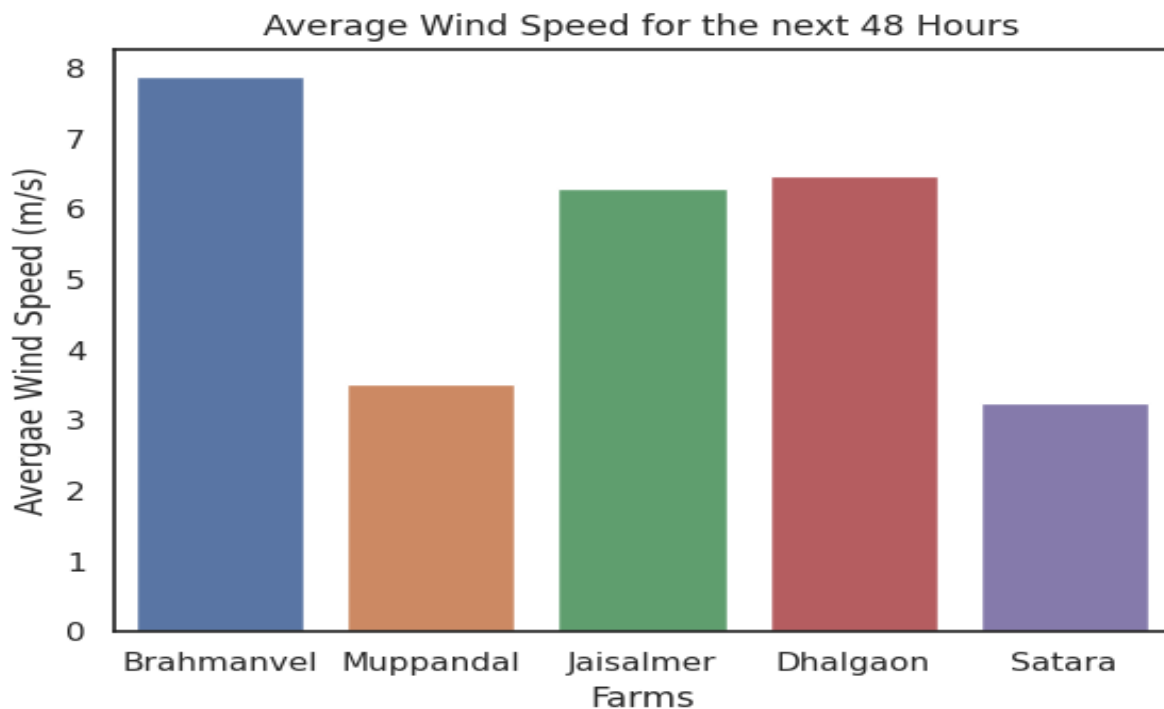### Power Share of Farms for first 24 hours

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

Power Share of Farms after 24 hours till next 24

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

Wind Speed:

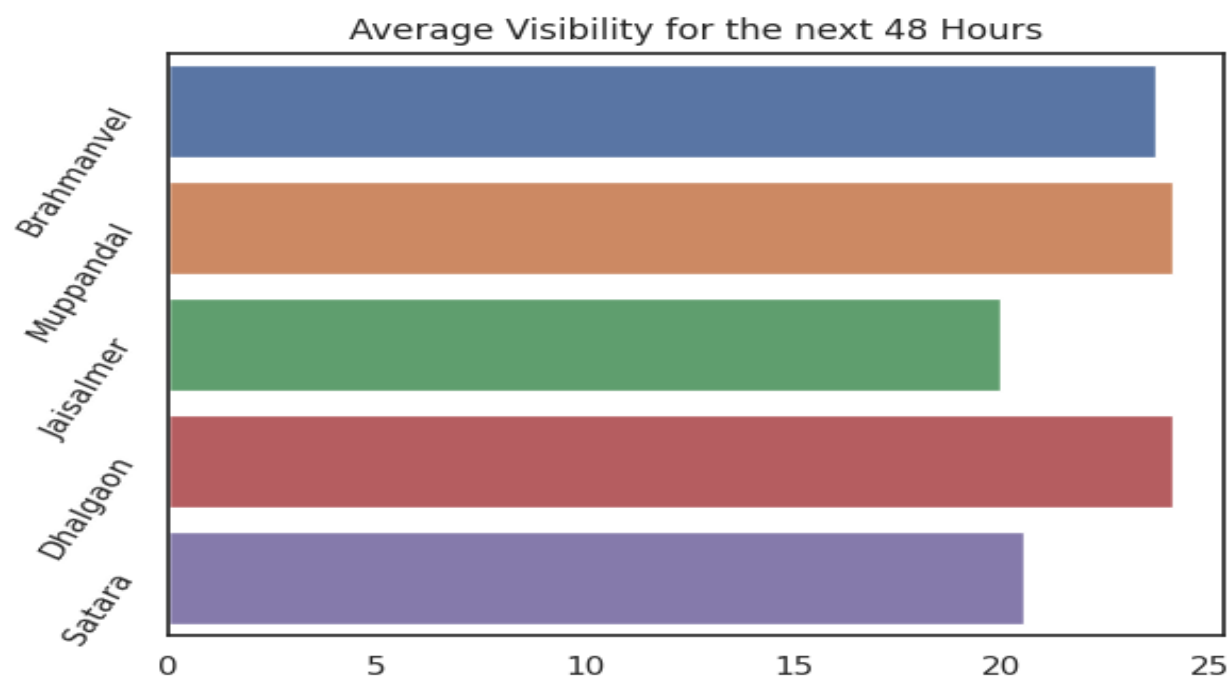**Average Wind Speed for the next 48 Hours**

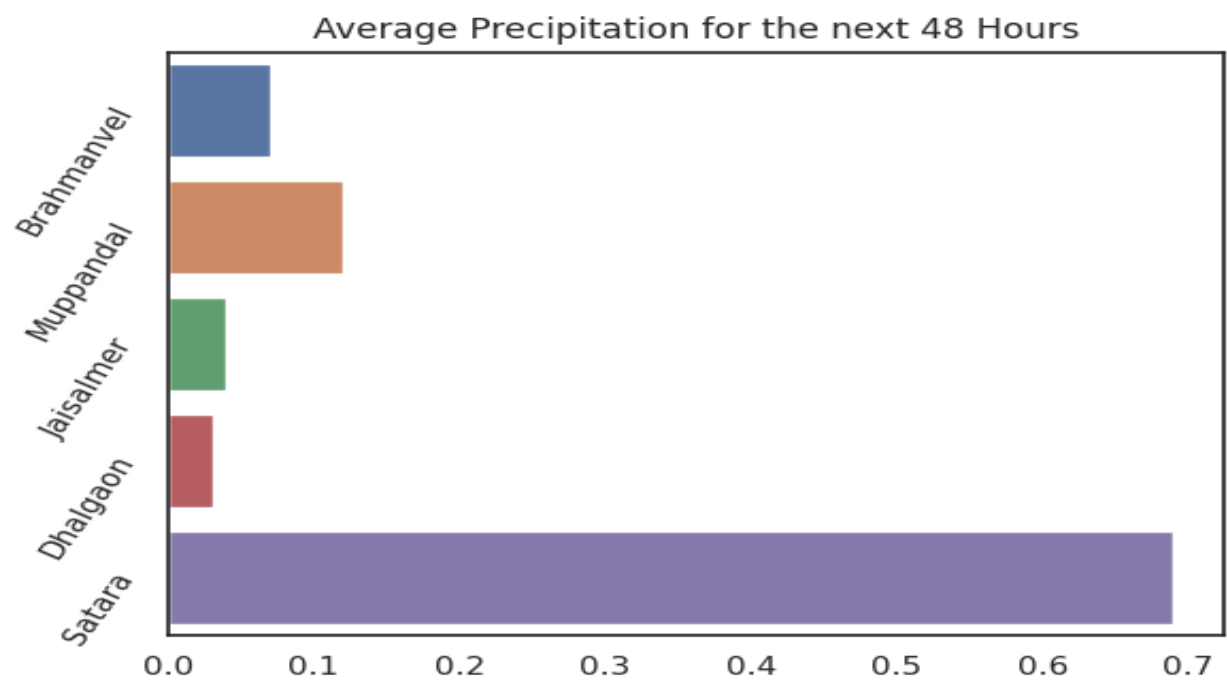*The above mentioned graph displays the Speed Distribution over the different farm locations.*

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

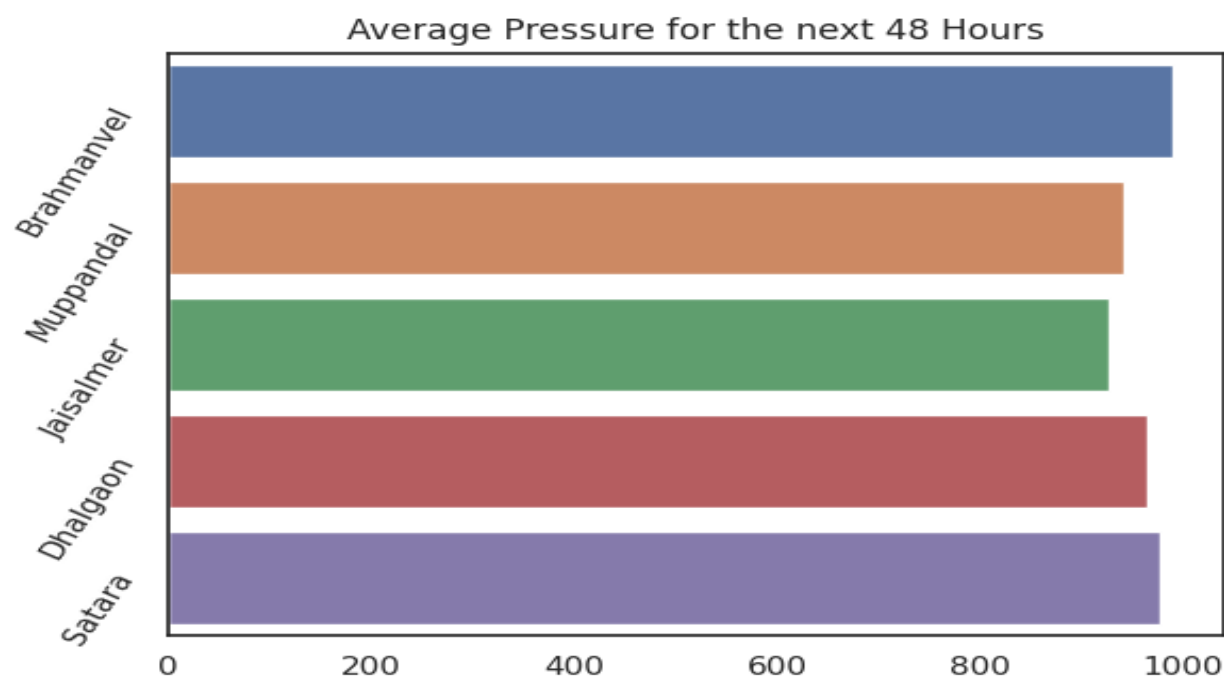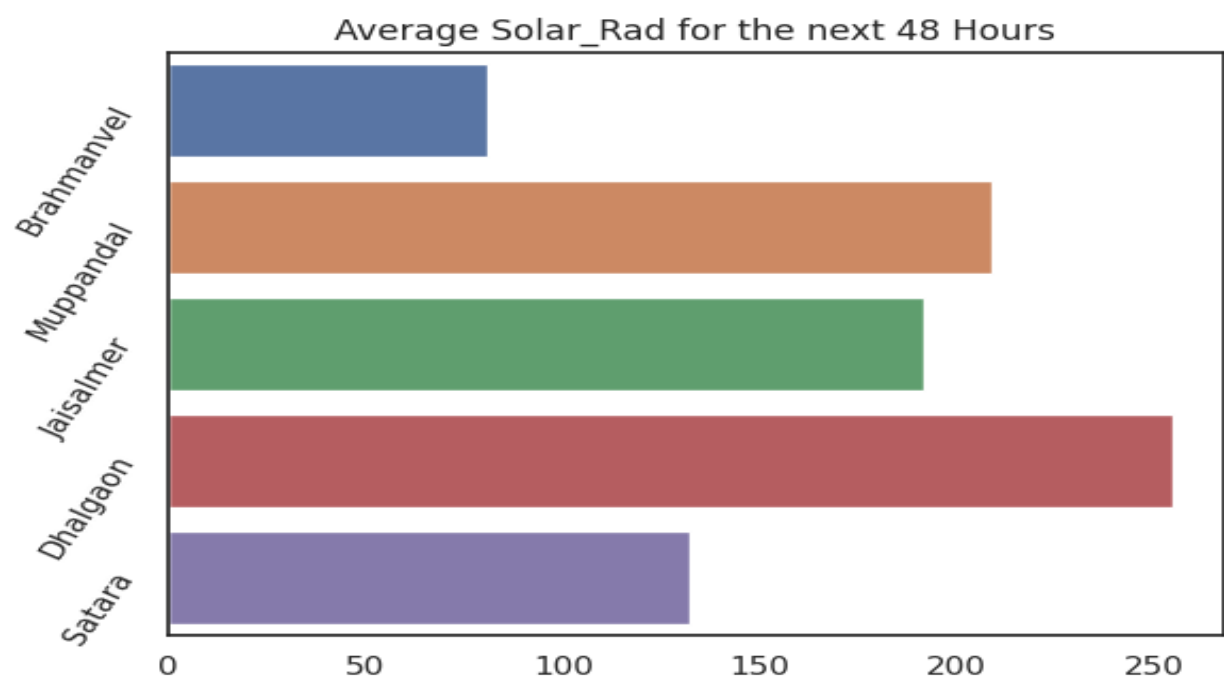*-> Weather around the Satara farm is likely to be: Overcast clouds*

Visibility:

Average Visibility for the next 48 Hours

Location	Visibility
Brahmanvel	~23.8
Muppandal	~24
Jaisalmer	~19.5
Dhalgaon	~24
Satara	~20.5

Precipitation:

Average Precipitation for the next 48 Hours

Location	Precipitation
Brahmanvel	~0.07
Muppandal	~0.12
Jaisalmer	~0.04
Dhalgaon	~0.03
Satara	~0.69

Pressure:

Average Pressure for the next 48 Hours

Solar_Rad:

Average Solar_Rad for the next 48 Hours

BEST TIME FOR POWER EXTRACTION:

Muppandal
>>The Best time to extract Energy from Muppandal farm on 2020-08-25 is 16:30:00 to 17:30:00
>>The Best time to extract Energy from Muppandal farm on 2020-08-26 is 16:30:00 to 17:30:00

Dhalgaon
>>The Best time to extract Energy from Dhalgaon farm on 2020-08-25 is 17:30:00 to 18:30:00
>>The Best time to extract Energy from Dhalgaon farm on 2020-08-26 is 19:30:00 to 20:30:00

Satara
>>The Best time to extract Energy from Satara farm on 2020-08-25 is 14:30:00 to 15:30:00
>>The Best time to extract Energy from Satara farm on 2020-08-26 is 14:30:00 to 15:30:00

Brahmanvel
>>The Best time to extract Energy from Brahmanvel farm on 2020-08-25 is 15:30:00 to 16:30:00
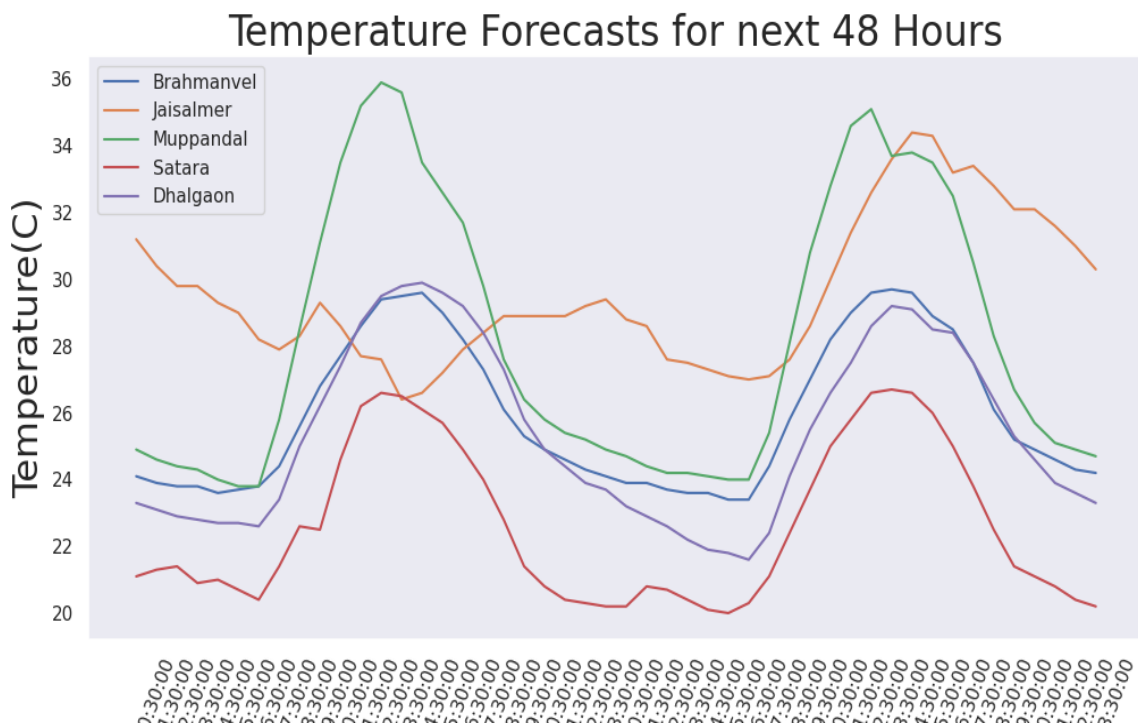*>>The Best time to extract Energy from Brahmanvel farm on 2020-08-26 is 16:30:00 to 17:30:00*
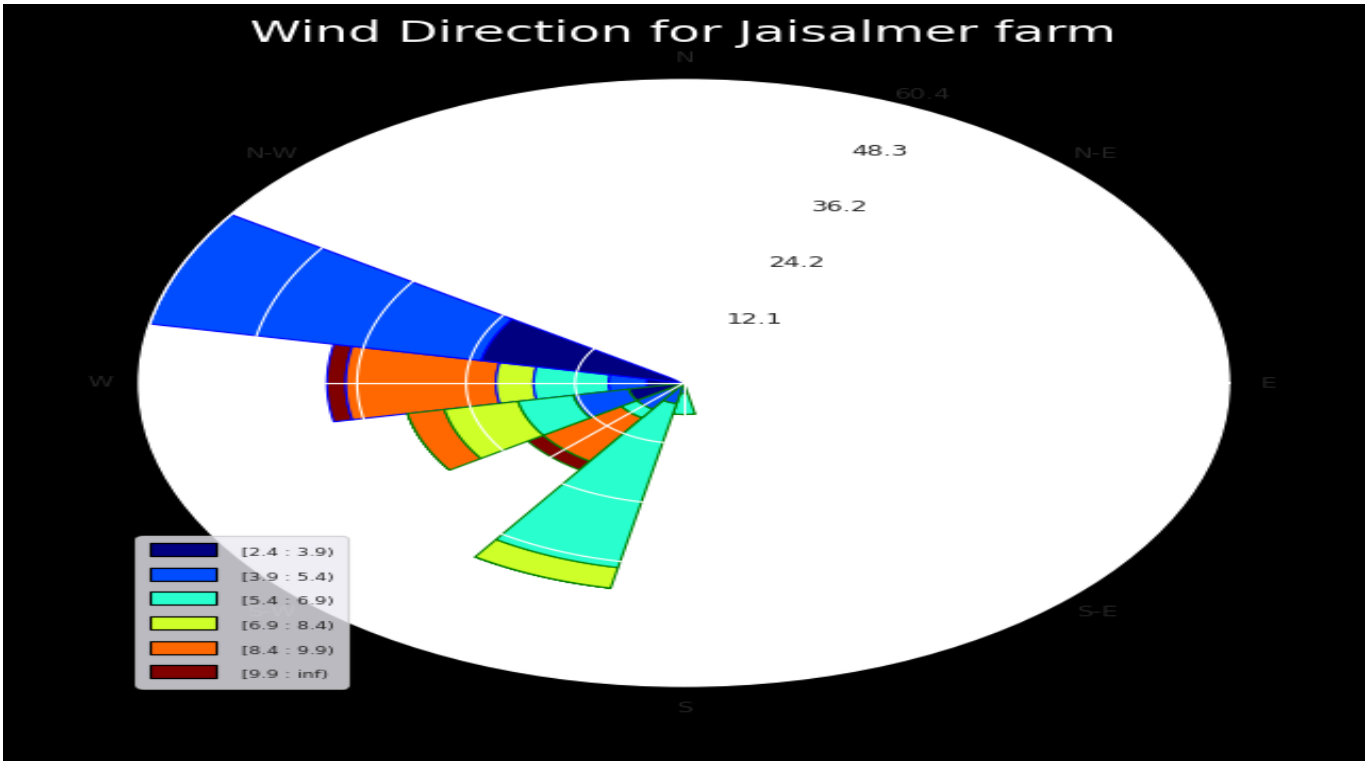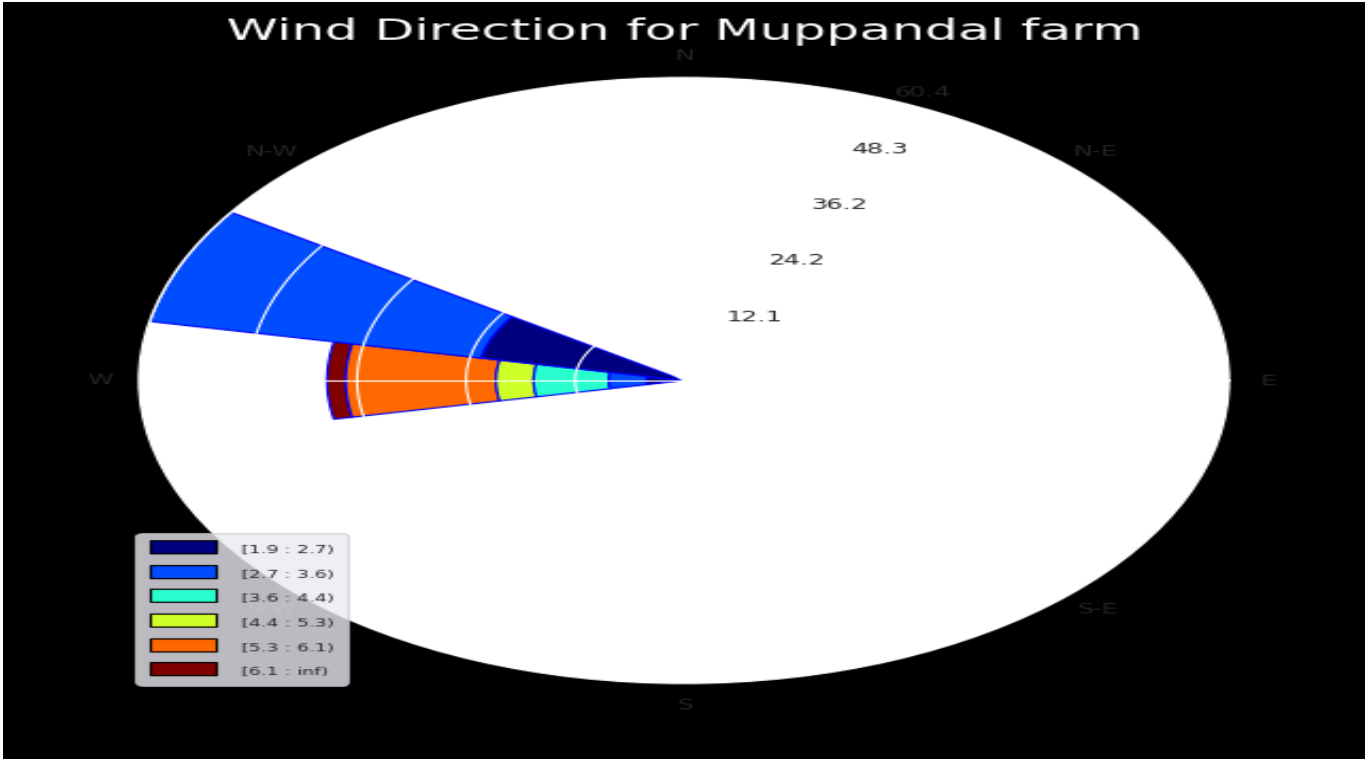
Jaisalmer
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-25 is 01:30:00 to 02:30:00
>>The Best time to extract Energy from Jaisalmer farm on 2020-08-26 is 23:30:00 to 00:30:00
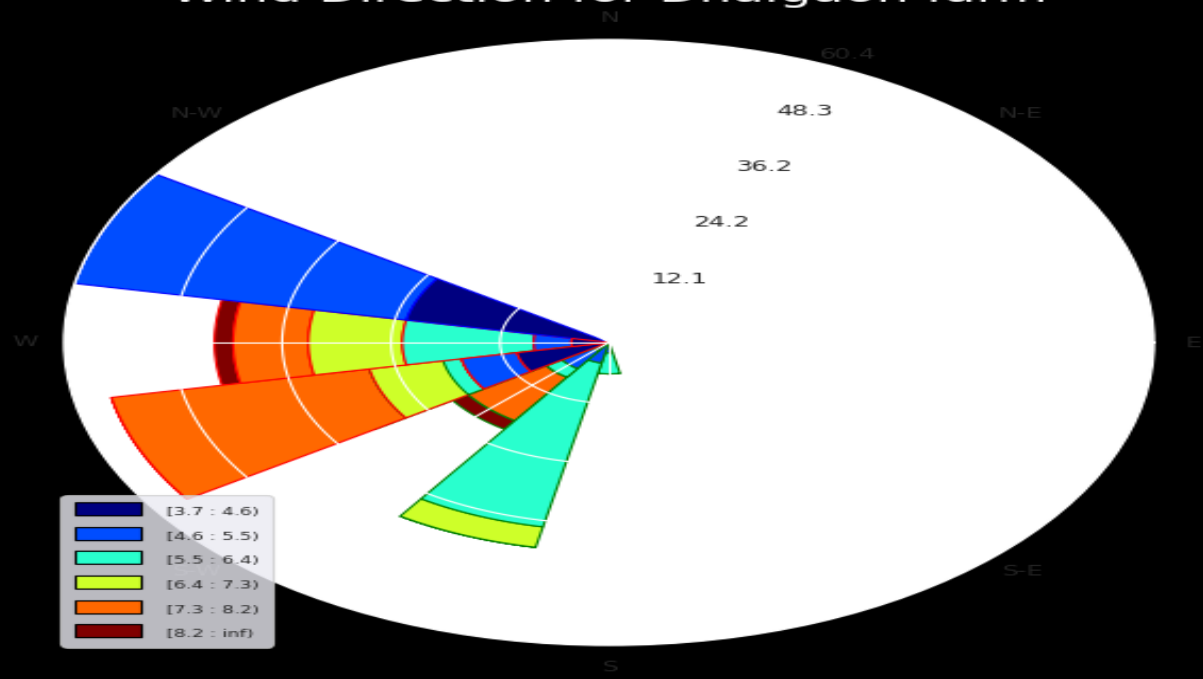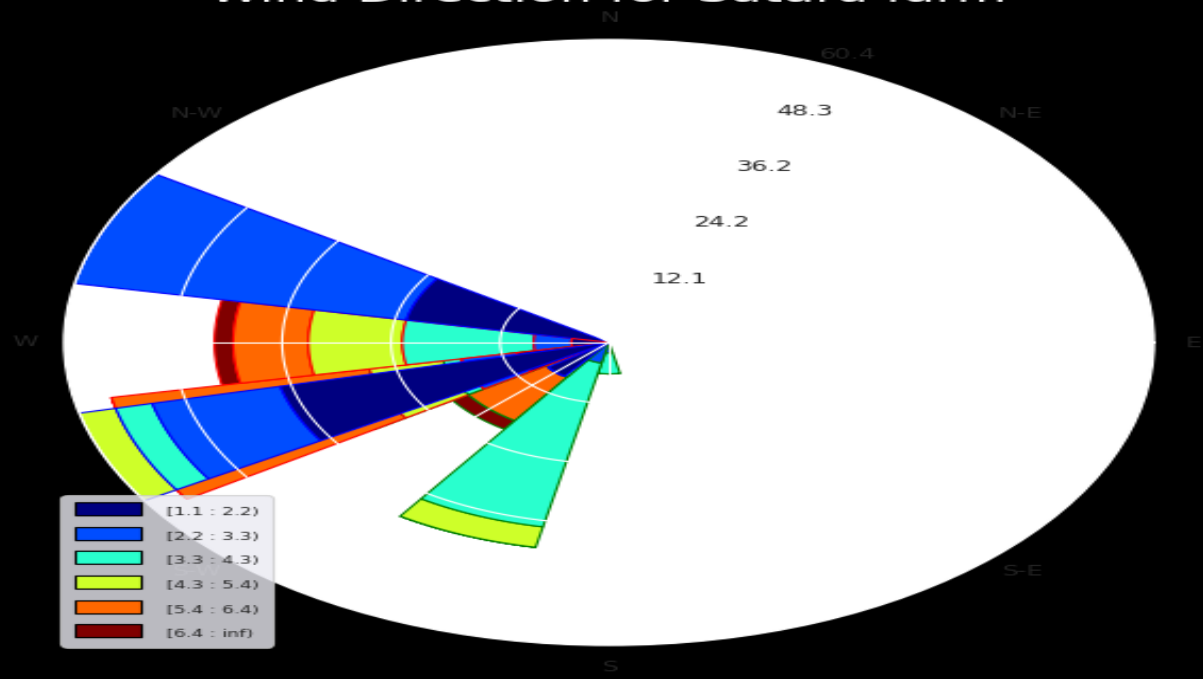
Temperature at Farms (Next 48 hours):

WIND DIRECTIONS FOR THE FARMS:

Wind Direction for Muppandal farm

Wind Direction for Jaisalmer farm

Wind Direction for Dhalgaon farm

Wind Direction for Satara farm

Wind Direction for Brahmanvel farm