



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



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Renewable Energy Project Monitoring Division

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Increased by 17.74% as compared to May 21.

Increased by 21.85 % as compared to June 20.

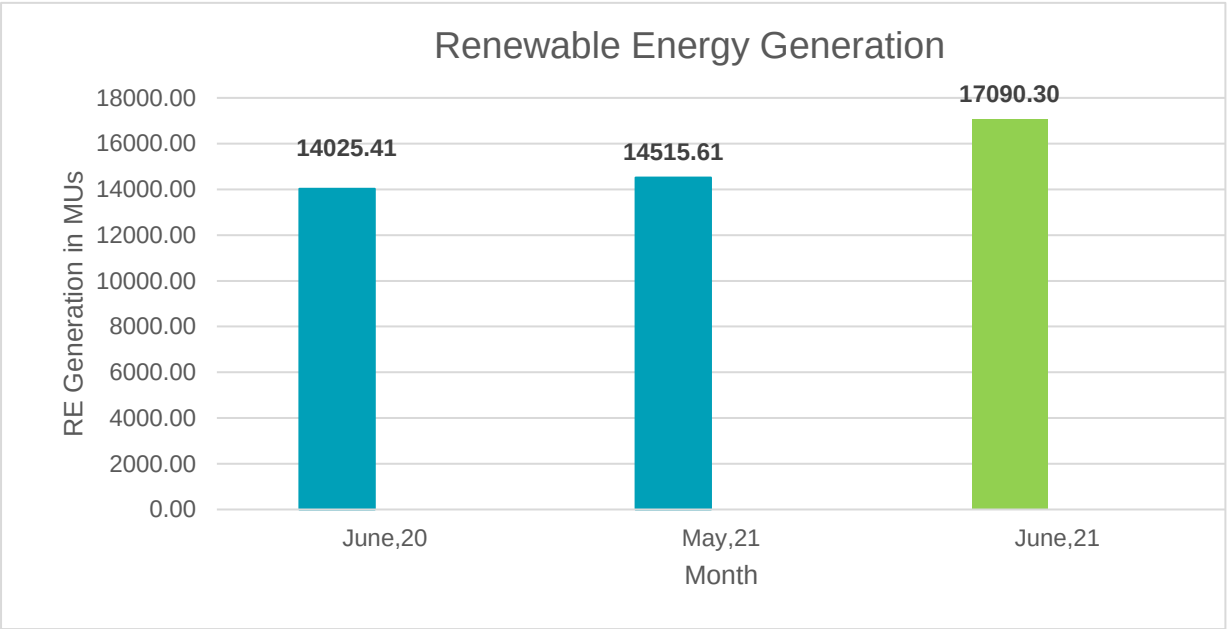


Figure 1: Renewable Energy Generation

Increased by 101. 85 % as compared to May 21.

Increased by 355.61% as compared to June 20

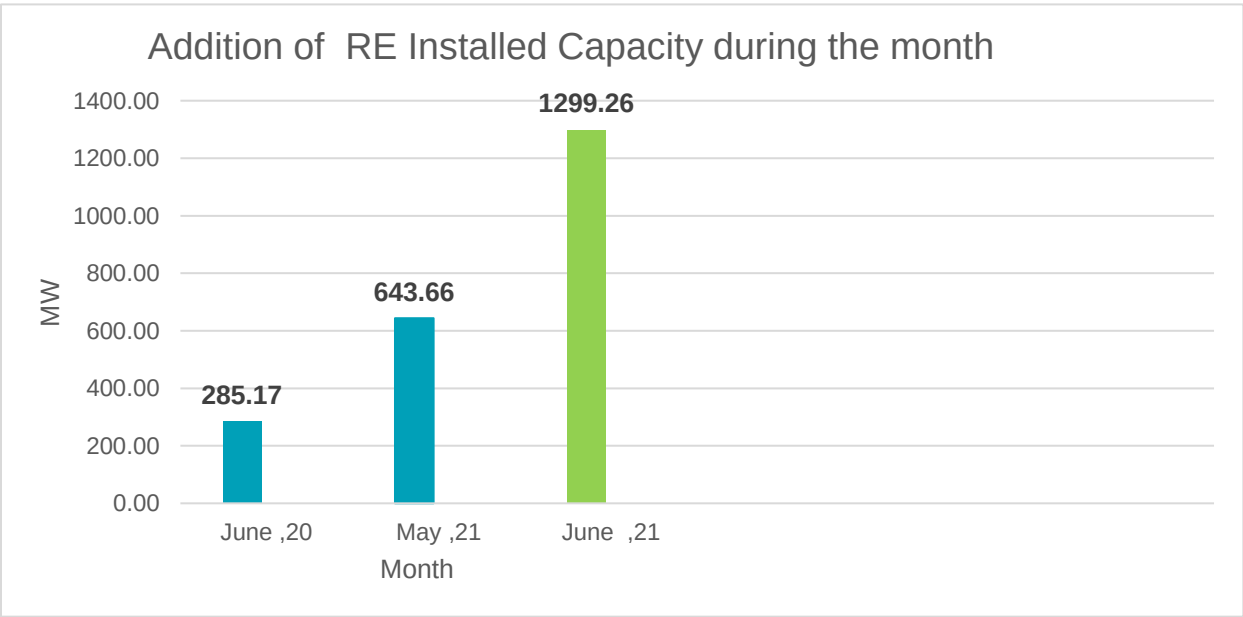


Figure 2 RE capacity added during the Month

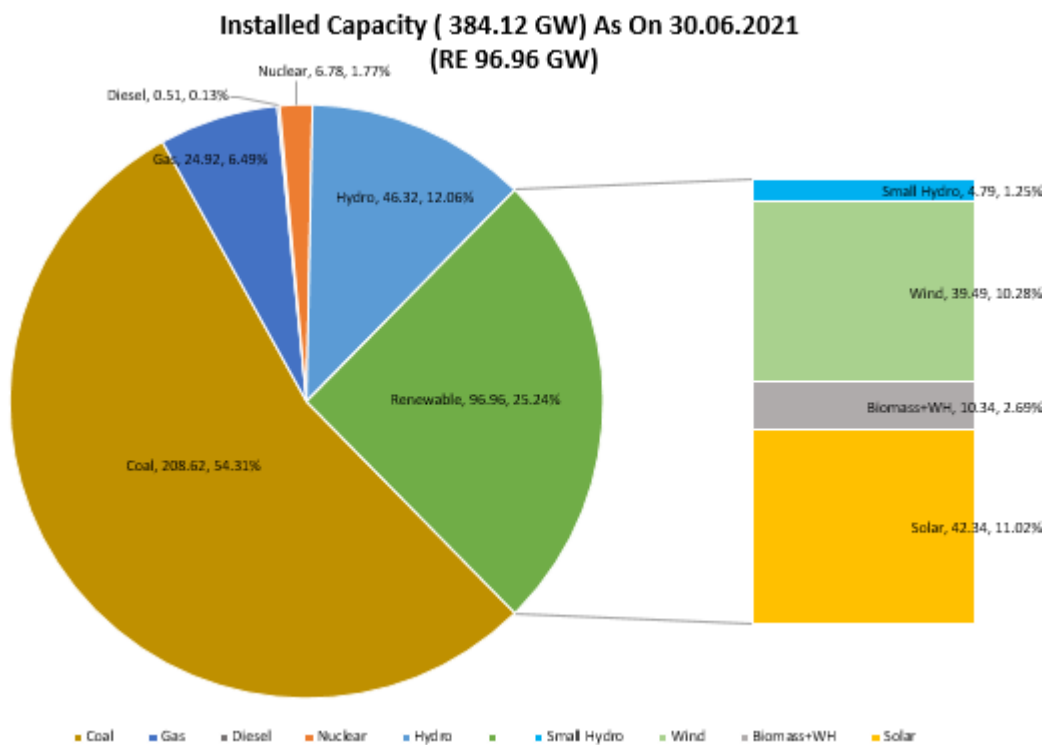


Figure 3 Installed Capacity in India as on 30.06.2021

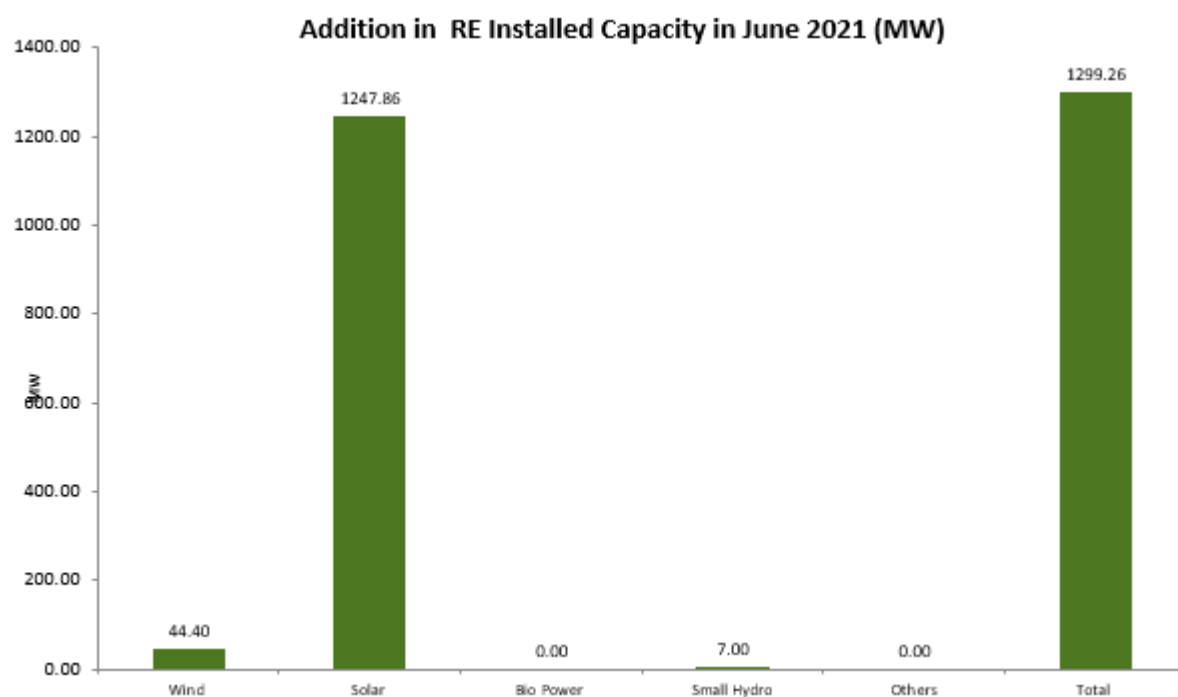


Figure 4: Source wise addition in RE Installed Capacity in June 21

HIGHLIGHTS OF RE GENERATION DURING JUNE 2021

1. RE generation increased by 21.85 % in June 2021 as compared to June 2020.
2. Wind Power generation during the month of June 2021 increased in Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh and Decreased in Karnataka, as compared to June 2020.
3. Daily wind generation increased by 23.17 % as compared to June 2020 and increased by 41.87 % as compared to May 2021.
4. Solar Power generation during the month of June 2021 increased in Punjab, Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Karnataka ,Tamil Nadu Kerala and Orissa as compared to June 2020.
5. Daily solar generation increased by 27.70 % as compared to June 2020 and increased by 03.53% as compared to May 2021.

ALL INDIA SUMMARY OF RENEWABLE ENERGY GENERATION

Source	Installed Capacity (MW) as on 30.06.2021 (as per MNRE)	RE Generation (MU) June ' 2020	RE Generation (MU) June ' 2021	% of Last Year (2/3)	RE Generation (MU) April'2019- June '2020	RE Generation (MU) April'2020- June '2021	% Of Last Year (5/6)
	1	2	3	4	5	6	7
Wind	39486.65	7895.79	9725.45	123.17	17607.54	20543.35	116.67
Solar	42335.49	4703.25	6006.22	127.70	15674.99	18123.06	115.62
Biomass	10170.92	299.25	317.59	106.13	882.45	908.21	102.92
Bagasse		182.81	151.36	82.80	1682.53	1439.81	85.57
Small Hydro	4793.81	820.86	725.57	88.39	2281.65	1720.26	75.40
Others	168.64	123.46	164.11	132.93	193.19	520.15	269.24
Total	96955.51	14025.41	17090.30	121.85	38322.36	43254.84	112.87

Table 1 All India Summary of Renewable Energy Generation

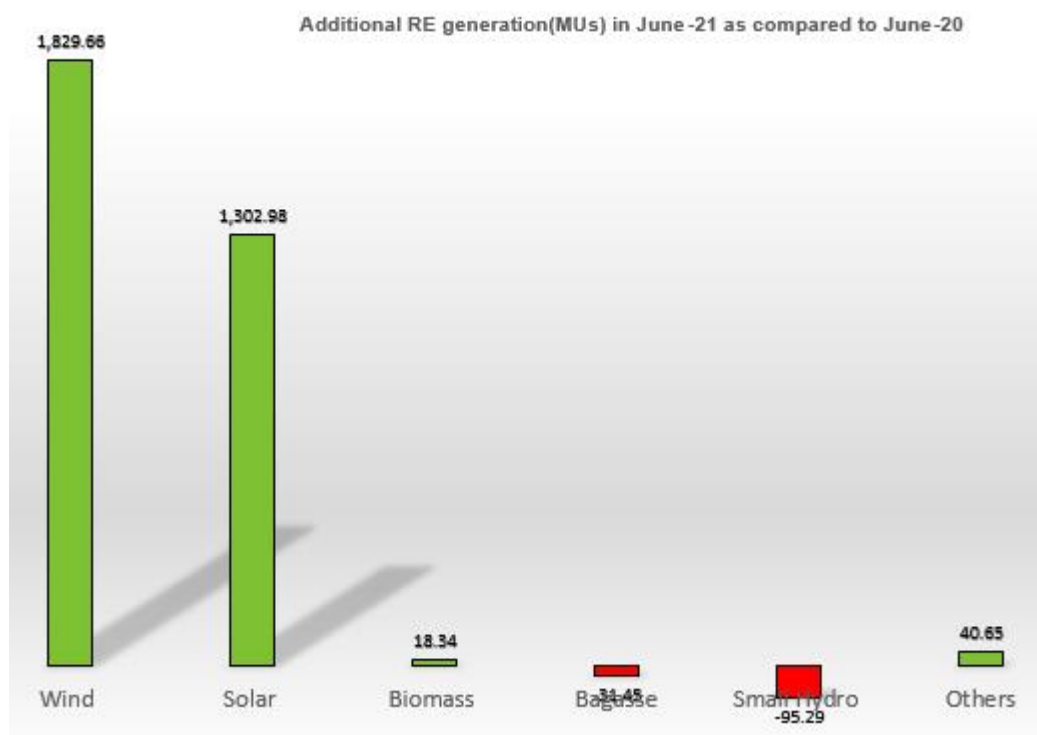


Figure 5 Additional RE Generation in June 21 compared to June 20

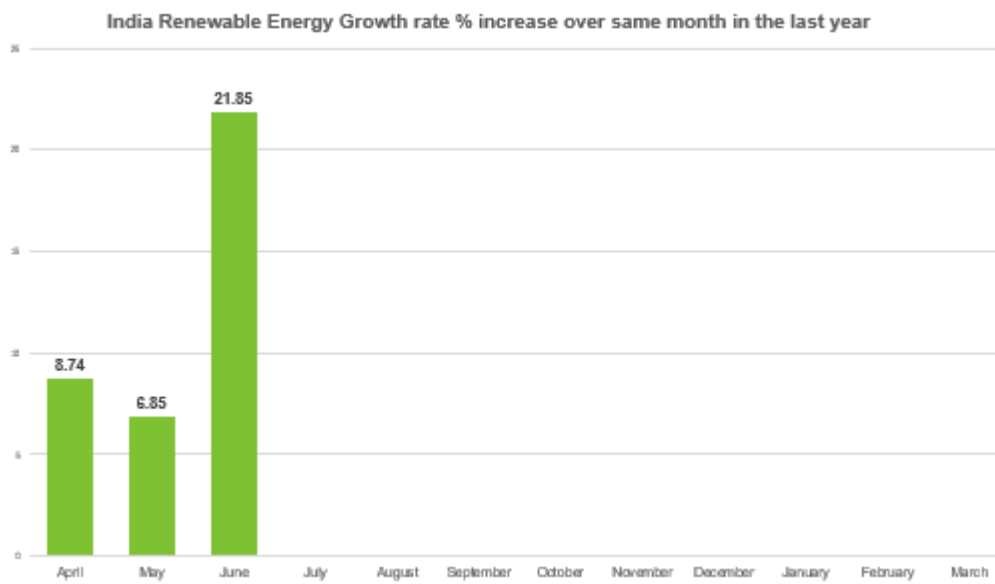


Figure 6: Month Wise Growth of RE Generation in 2021-22 w.r.t to 2020-21

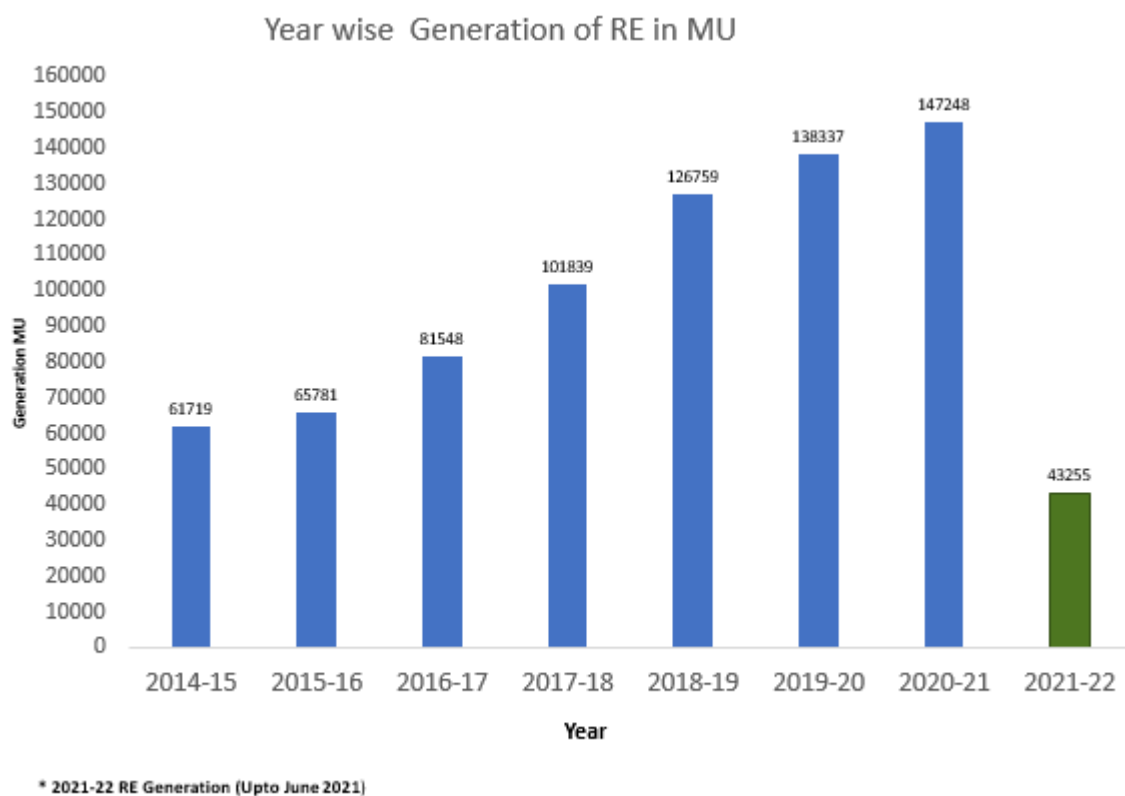


Figure 7 Year Wise RE Generation

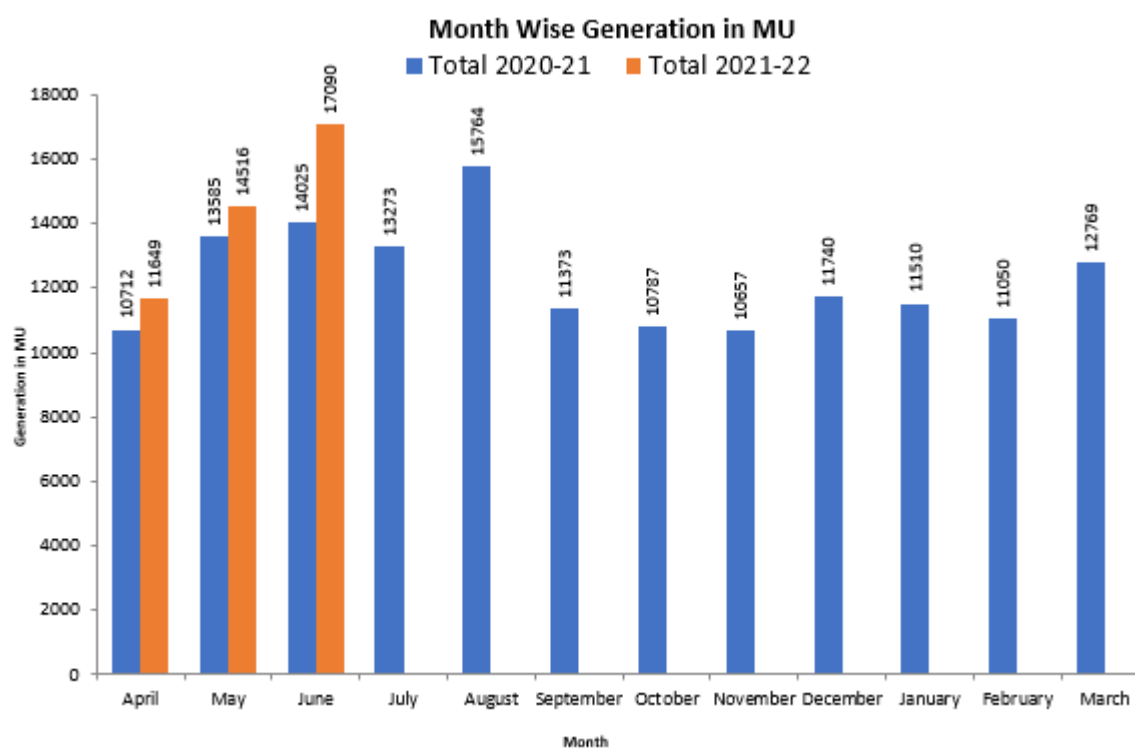


Figure 8 comparison of Month Wise RE Generation in year 2021-22 & in year 2020-21

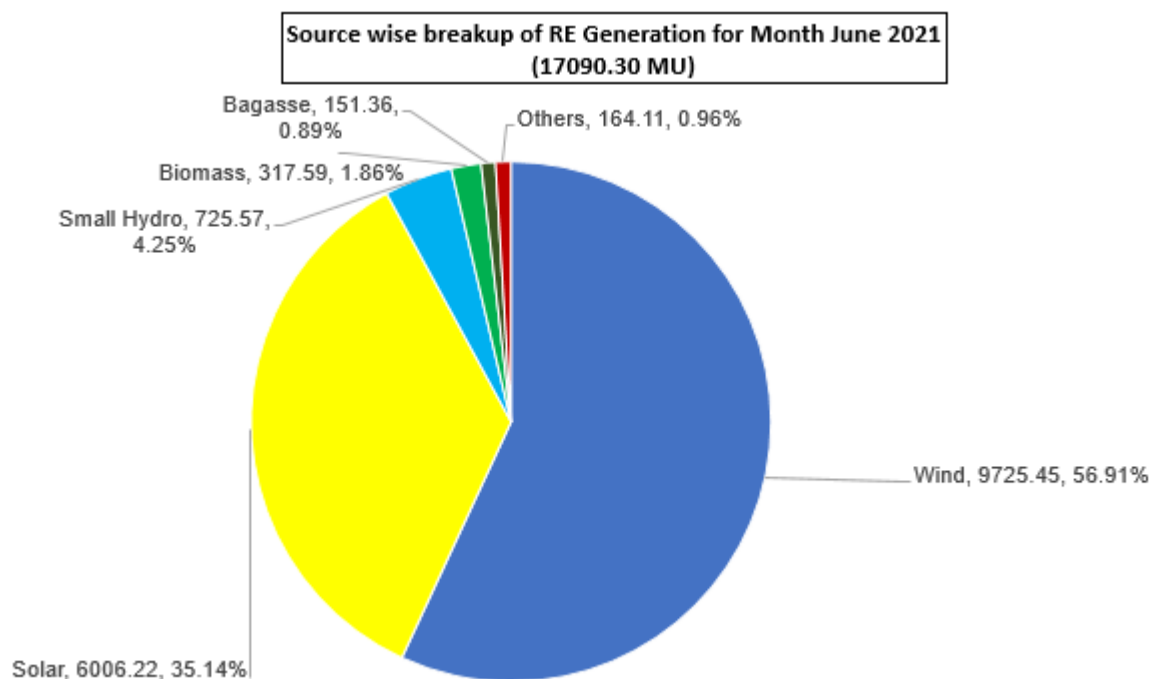


Figure 9 Source wise breakup of RE Generation in the month of June -21

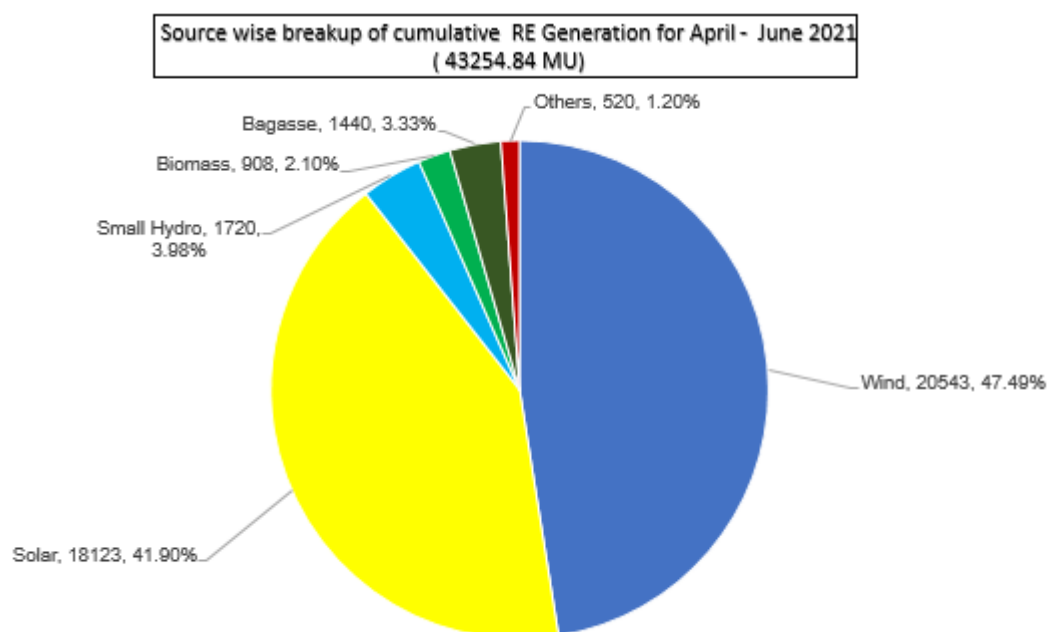


Figure 10 Source wise breakup of Cumulative RE Generation (April-21 – June -21)

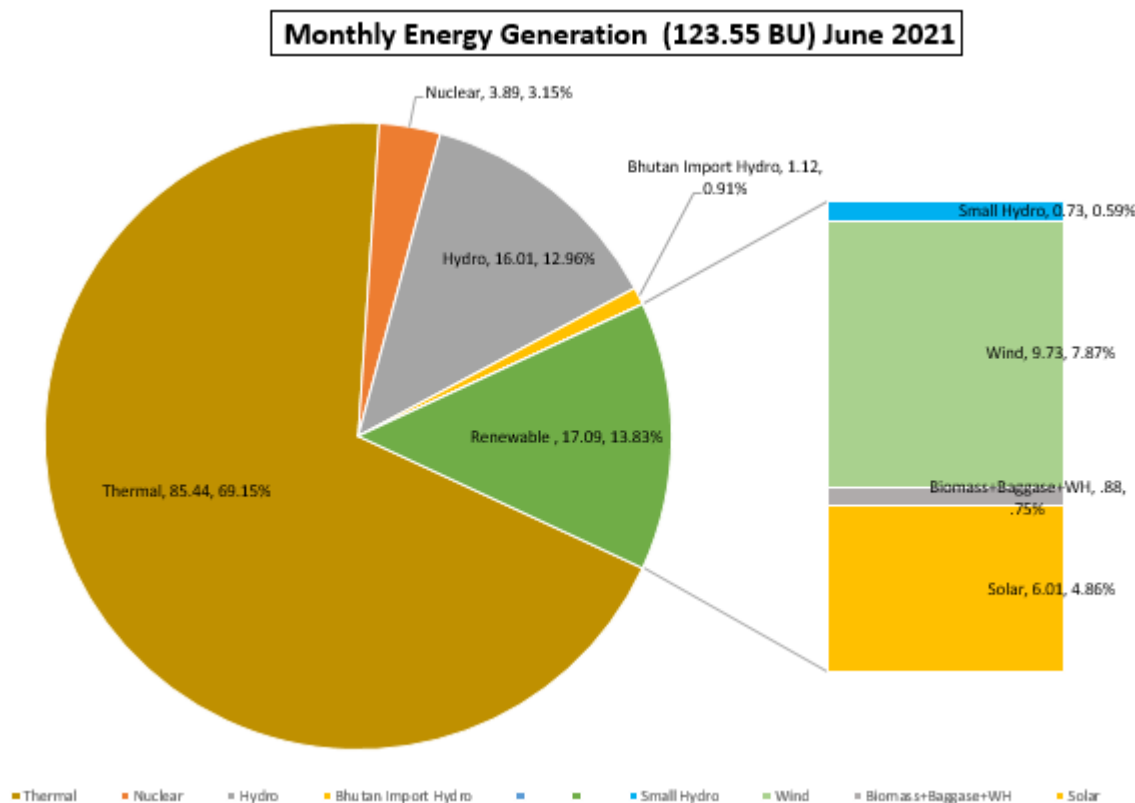


Figure 11 Total Energy Generation in India and Share of RE in the month of June -21

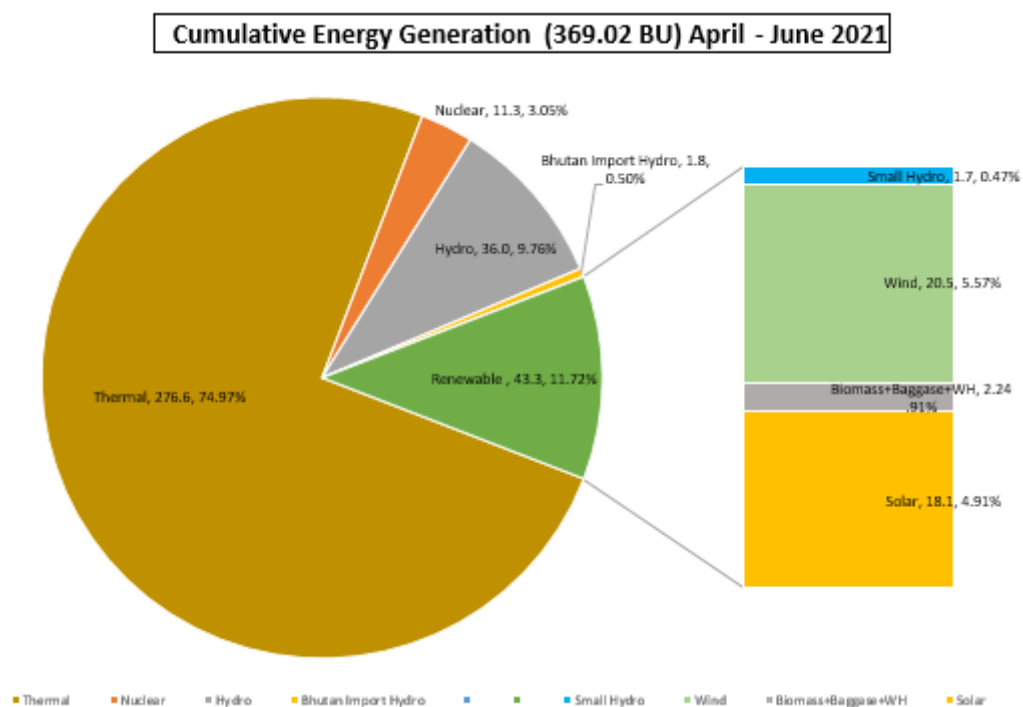


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-21 – June -21)

Renewable Energy Generation (State Wise) for the month of June 2021				
State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	1.96	2.31	4.84	4.29
Delhi	42.10	30.56	125.57	90.15
Haryana	55.85	69.55	190.99	218.22
Himachal Pradesh	276.64	57.91	792.62	311.51
J & K	56.90	57.80	167.31	151.91
Ladakh	0.00	0.00	0.00	0.00
Punjab	260.84	352.97	745.83	803.29
Rajasthan	1780.50	2141.26	4861.65	5509.03
Uttar Pradesh	182.10	222.83	1359.86	1328.52
Uttarakhand	116.52	71.67	364.15	215.01
Northern Region	2773.40	3006.86	8612.83	8631.93
Chhattisgarh	139.30	160.74	410.72	440.85
Gujarat	1397.13	2673.00	5174.37	6807.11
Madhya Pradesh	771.27	912.72	2558.25	2617.65
Maharashtra	1100.79	1594.18	3217.62	4028.98
Dadra and Nagar Haveli	0.45	4.78	1.77	9.85
Daman & Diu	2.05	4.64	6.86	12.86
Goa	0.09	0.10	0.39	0.35
Western Region	3411.08	5350.17	11369.98	13917.65
Andhra Pradesh	1436.16	1963.30	3700.86	4503.92
Telangana	552.53	594.80	1844.69	1916.84
Karnataka	2490.66	2626.96	6376.23	6641.39
Kerala	70.98	141.57	202.49	347.13
Tamil Nadu	3090.09	3154.64	5631.77	6522.02
Lakshadweep	0.03	0.02	0.14	0.10
Puducherry	0.37	1.02	1.11	3.06
Southern Region	7640.81	8482.31	17757.29	19934.45
Andaman Nicobar	1.69	2.75	3.88	7.67
Bihar	19.72	12.44	62.28	40.71
Jharkhand	1.23	1.59	4.08	5.07
Orissa	54.13	81.49	189.02	238.79
Sikkim	5.80	1.03	11.66	3.09
West Bengal	95.72	138.17	266.94	433.33
Eastern Region	178.29	237.46	537.86	728.66
Arunachal Pradesh	0.19	0.16	0.60	0.53
Assam	3.77	8.87	6.88	22.90
Manipur	0.48	0.46	1.35	1.37
Meghalaya	3.03	3.12	9.09	10.27
Mizoram	3.37	0.26	6.89	0.75
Nagaland	7.17	0.07	16.08	3.22
Tripura	0.32	0.57	3.51	3.09
North Eastern Region	18.34	13.50	44.40	42.15
All India Total	14021.93	17090.30	38322.36	43254.84

Table 3 State Wise Wind Power Generation

Wind Power Generation (State Wise) for the month of June 2021				
State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	0.00	0.00
Rajasthan	842.58	985.81	1992.04	2215.74
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	842.58	985.81	1992.04	2215.74
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1030.61	2137.71	3913.05	5151.66
Madhya Pradesh	450.60	559.95	1403.74	1430.17
Maharashtra	794.96	1029.30	1909.20	2244.72
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Western Region	2276.17	3726.97	7225.99	8826.54
Andhra Pradesh	891.14	1198.05	1826.96	2178.00
Telangana	25.34	36.41	54.07	70.35
Karnataka	1342.06	1263.62	2539.69	2665.60
Kerala	18.23	17.52	34.36	36.77
Tamil Nadu	2500.27	2497.08	3934.42	4550.35
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	4777.03	5012.68	8389.51	9501.06
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region	0.00	0.00	0.00	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	0.00	0.00
All India Total	7895.78	9725.45	17607.54	20543.35

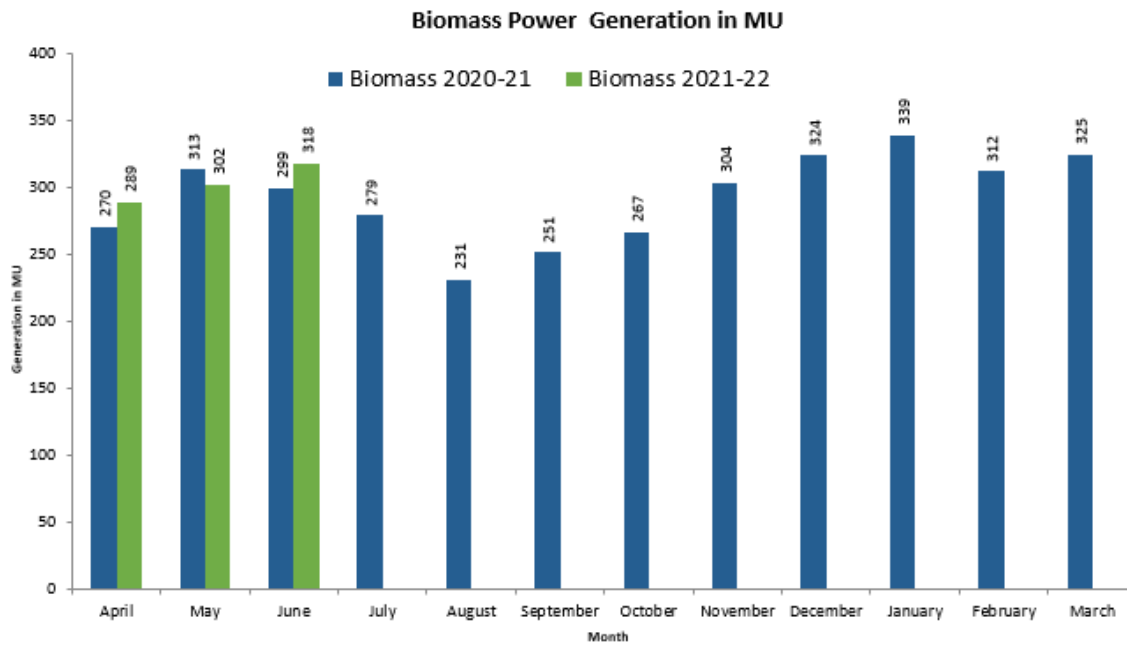


Figure 13 Monthly Wind Power Generation (2021-22 Up to June -21)

Table 4 State Wise Solar Power Generation

Solar Energy Generation (State Wise) for the month of June 2021				
State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	1.96	2.31	4.84	4.29
Delhi	18.78	15.16	55.17	45.48
Haryana	5.84	33.66	18.06	109.88
Himachal Pradesh	3.12	4.03	9.56	11.86
J & K	0.00	0.00	0.00	1.71
Ladakh	0.00	0.00	0.00	0.00
Punjab	128.87	137.92	402.09	411.55
Rajasthan	905.55	1119.77	2767.34	3186.89
Uttar Pradesh	127.57	195.61	451.71	722.57
Uttarakhand	34.03	24.63	105.39	73.89
Northern Region	1225.72	1533.08	3814.16	4568.12
Chhattisgarh	24.91	29.12	93.24	96.11
Gujarat	341.17	529.38	1186.43	1624.06
Madhya Pradesh	303.74	336.52	1107.78	1142.68
Maharashtra	189.68	420.51	689.08	963.20
Dadra and Nagar Haveli	0.45	4.78	1.77	9.85
Daman & Diu	1.78	3.55	6.60	10.20
Goa	0.09	0.10	0.39	0.35
Western Region	861.82	1323.97	3085.28	3846.45
Andhra Pradesh	519.57	731.04	1791.76	2209.97
Telangana	502.21	522.44	1720.57	1745.29
Karnataka	1014.00	1170.75	3477.42	3596.03
Kerala	11.10	43.02	40.09	122.28
Tamil Nadu	512.30	609.73	1548.76	1783.11
Lakshadweep	0.03	0.02	0.14	0.10
Puducherry	0.37	1.02	1.11	3.06
Southern Region	2559.59	3078.02	8579.85	9459.83
Andaman Nicobar	1.01	1.82	2.80	5.91
Bihar	16.31	12.44	52.73	38.57
Jharkhand	1.23	1.59	4.08	4.81
Orissa	31.80	41.48	113.93	153.71
Sikkim	0.00	0.00	0.00	0.00
West Bengal	4.39	7.32	17.59	26.96
Eastern Region	54.74	64.65	191.12	229.97
Arunachal Pradesh	0.15	0.16	0.46	0.48
Assam	0.41	5.07	1.13	14.46
Manipur	0.48	0.46	1.35	1.37
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.02	0.25	0.08	0.72
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.32	0.57	1.57	1.65
North Eastern Region	1.37	6.50	4.58	18.68
All India Total	4703.25	6006.22	15674.99	18123.06

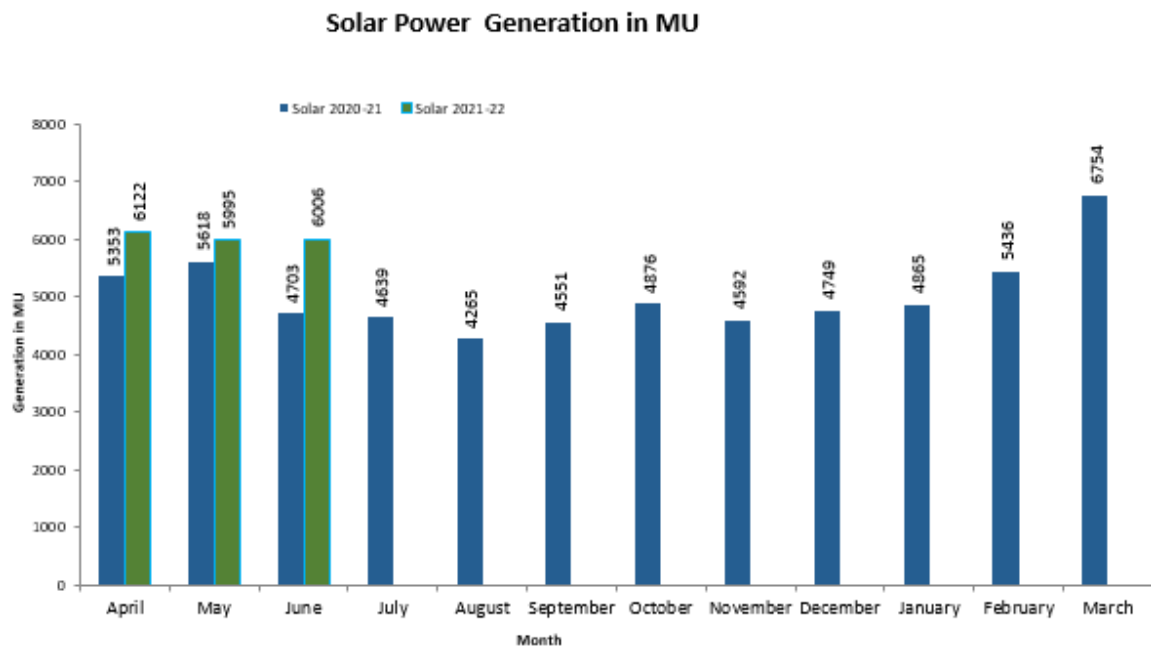


Figure 14 Monthly Solar Power Generation (2021-22 Up to June -21)

Table 5 State Wise Biomass Power Generation

Biomass Energy Generation (State Wise) for the month of June 2021				
State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	14.16	14.30	42.85	41.49
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	47.46	51.31	138.20	155.34
Rajasthan	32.15	35.68	101.84	106.36
Uttar Pradesh	5.07	6.44	50.80	24.30
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	98.83	107.73	333.68	327.50
Chhattisgarh	101.36	120.42	285.91	328.56
Gujarat	10.76	0.00	29.48	0.00
Madhya Pradesh	0.00	0.00	0.00	0.00
Maharashtra	27.32	30.79	70.21	83.21
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.26	1.09	0.26	2.66
Goa	0.00	0.00	0.00	0.00
Western Region	139.71	152.30	385.86	414.44
Andhra Pradesh	10.25	9.54	30.54	27.72
Telangana	13.35	11.32	43.00	32.98
Karnataka	18.14	16.93	43.75	48.59
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	15.87	12.05	28.59	30.12
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	57.60	49.84	145.88	139.42
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	1.85	0.00	4.51	2.14
Jharkhand	0.00	0.00	0.00	0.00
Orissa	1.26	7.72	12.51	24.71
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region	3.11	7.72	17.02	26.85
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	0.00	0.00
All India Total	313.23	317.59	882.45	908.21

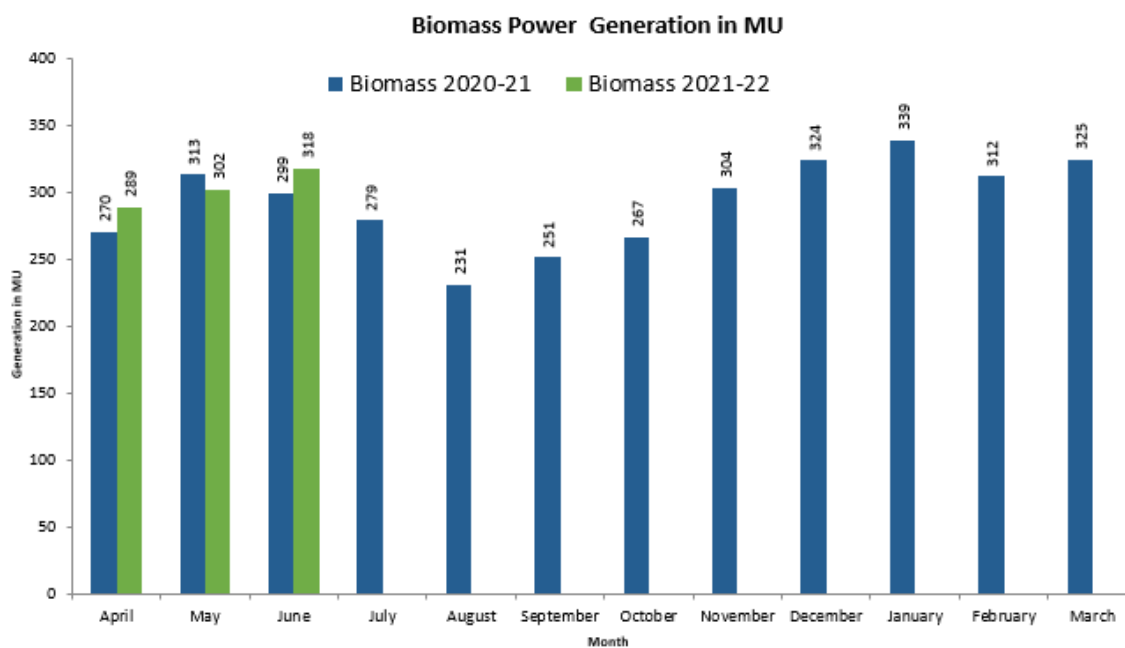


Figure 15 Monthly Biomass Power Generation (2021-22 Up to June -21)

Table 6 State Wise Bagasse Power Generation

Bagasse Energy Generation (State Wise) for the month of June 2021

State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	6.47	0.00	39.78	14.75
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	6.95	9.09	21.19	33.12
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	42.53	15.07	836.97	564.11
Uttarakhand	0.00	20.26	29.23	60.78
Northern Region	55.95	44.42	927.16	672.76
Chhattisgarh	0.18	0.00	5.08	0.00
Gujarat	0.00	0.00	2.39	2.04
Madhya Pradesh	0.00	0.00	0.00	2.86
Maharashtra	36.84	59.00	342.20	536.37
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Western Region	37.01	59.00	349.67	541.27
Andhra Pradesh	1.65	2.55	7.79	15.93
Telangana	0.00	0.00	0.00	0.00
Karnataka	22.99	33.55	132.76	85.76
Kerala	4.19	3.95	10.00	11.62
Tamil Nadu	59.55	7.89	104.94	112.46
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	88.37	47.94	255.49	225.78
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	1.48	0.00	1.48	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	148.73	0.00
Eastern Region	1.48	0.00	150.21	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	0.00	0.00
All India Total	182.81	151.36	1682.53	1439.81

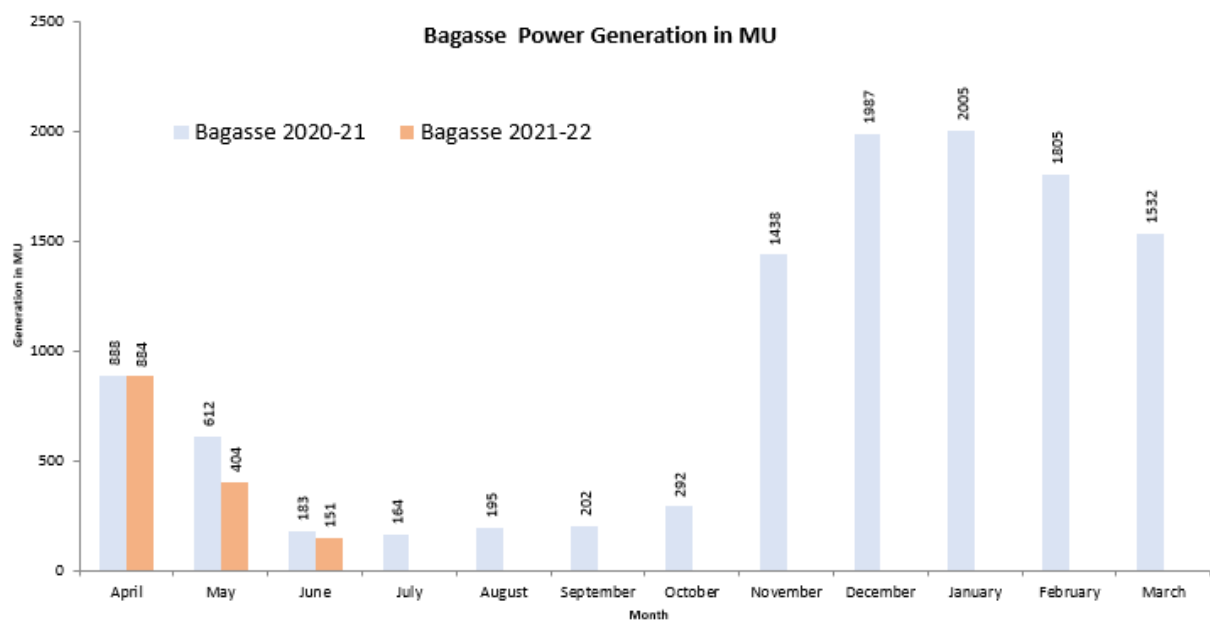


Figure 16 Monthly Bagasse Power Generation (2021-22 Up to June -21))

Table 7 State Wise Small Hydro Generation

Small Hydro Energy Generation (State Wise) for the month of June 2021				
State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	29.39	21.59	90.31	52.10
Himachal Pradesh	273.53	53.88	783.06	299.65
J & K	56.90	57.80	167.31	150.20
Ladakh	0.00	0.00	0.00	0.00
Punjab	77.56	154.59	184.34	203.10
Rajasthan	0.22	0.01	0.43	0.03
Uttar Pradesh	6.92	5.72	20.39	17.55
Uttarakhand	82.49	26.78	229.53	80.34
Northern Region	527.01	320.37	1475.37	802.96
Chhattisgarh	12.85	11.20	26.49	16.17
Gujarat	11.90	5.91	37.04	29.35
Madhya Pradesh	14.33	13.45	38.46	33.04
Maharashtra	51.98	54.58	206.89	201.45
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Western Region	91.06	85.14	308.89	280.00
Andhra Pradesh	13.23	14.36	43.05	49.23
Telangana	3.27	2.52	5.47	5.68
Karnataka	93.47	142.10	182.60	245.41
Kerala	37.46	77.08	118.04	176.46
Tamil Nadu	2.10	27.89	15.06	45.98
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	149.54	263.96	364.23	522.75
Andaman Nicobar	0.68	0.93	1.08	1.76
Bihar	0.10	0.00	3.56	0.00
Jharkhand	0.00	0.00	0.00	0.27
Orissa	21.07	32.28	62.59	60.36
Sikkim	5.80	1.03	11.66	3.09
West Bengal	5.17	14.86	14.47	25.61
Eastern Region	32.82	49.10	93.36	91.08
Arunachal Pradesh	0.04	0.00	0.14	0.05
Assam	3.37	3.80	5.75	8.45
Manipur	0.00	0.00	0.00	0.00
Meghalaya	3.03	3.12	9.09	10.27
Mizoram	3.35	0.01	6.81	0.03
Nagaland	7.17	0.07	16.08	3.22
Tripura	0.00	0.00	1.94	1.44
North Eastern Region	16.97	7.00	39.81	23.47
All India Total	817.40	725.57	2281.65	1720.26

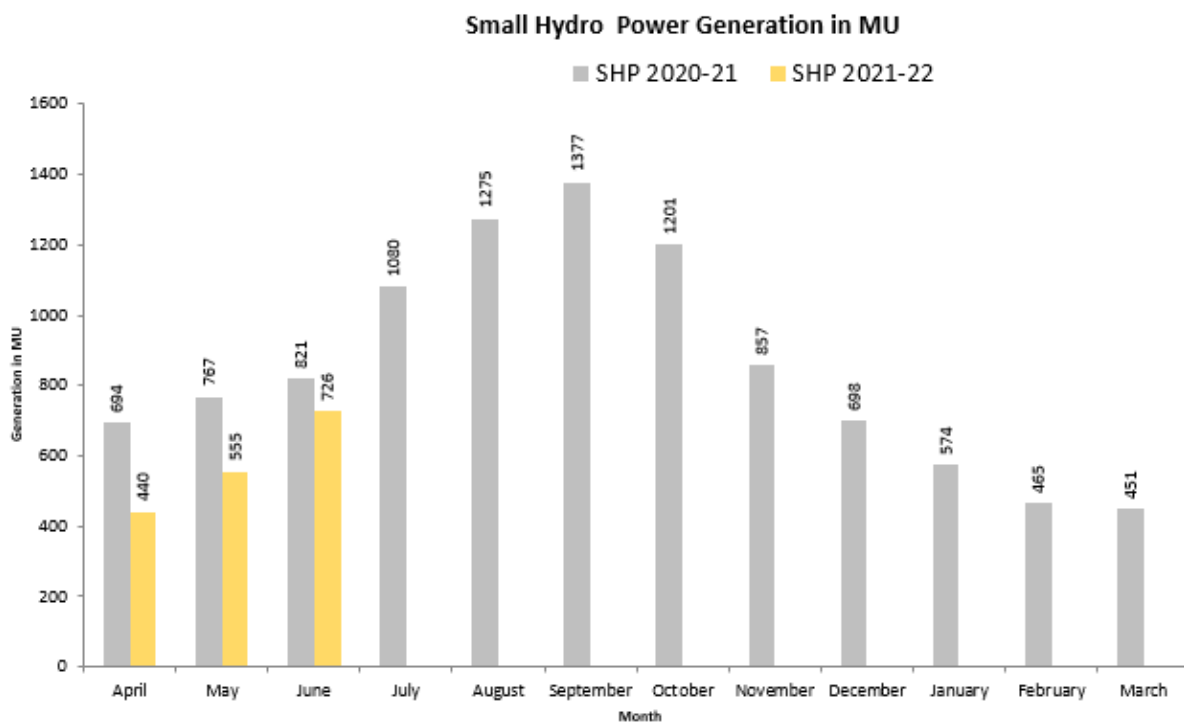


Figure 17 Monthly Small Hydro Power Generation (2021-22 Up to June -21)

Table 8 State Wise Other RE sources (Waste Heat etc) Power Generation

Other RE sources Energy Generation (State Wise) for the month of June 2021				
State	June'2020	June' 2021	April'2020- June '2020	April'2021- June 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	23.32	15.40	70.40	44.67
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	0.00	0.06	0.01	0.18
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	23.32	15.46	70.41	44.85
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	2.70	0.00	5.99	0.00
Madhya Pradesh	2.60	2.80	8.27	8.91
Maharashtra	0.01	0.00	0.03	0.02
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Western Region	5.31	2.80	14.29	8.93
Andhra Pradesh	0.32	7.76	0.76	23.07
Telangana	8.36	22.11	21.58	62.54
Karnataka	0.00	0.00	0.00	0.00
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	8.68	29.87	22.34	85.62
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
West Bengal	86.15	115.98	86.15	380.75
Eastern Region	86.15	115.98	86.15	380.75
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	0.00	0.00
All India Total	123.46	164.11	193.19	520.15

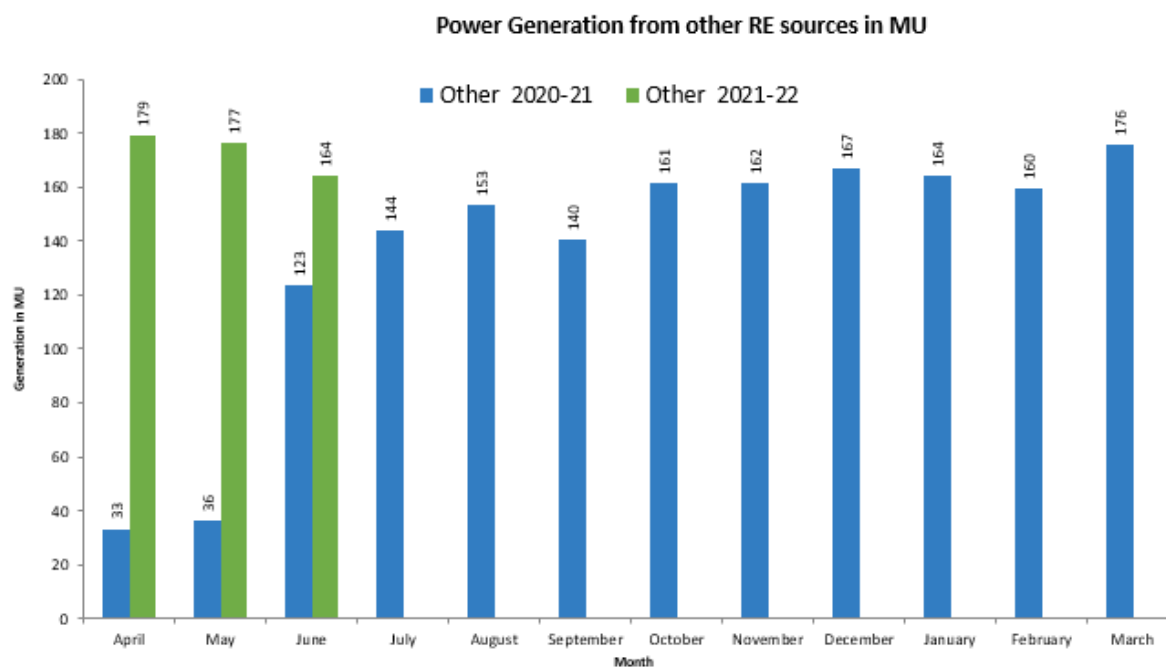


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation (2021-22 Up to June -21)

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for June 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
AURAIYA	Uttar Pradesh	Central	NTPC	Solar	20	3.06	20.56
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.63	16.94
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.59	14.25
UNCHAHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	0.93	12.50
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	11.98	32.22
MAHINDRA RENEWABLE PRIVATE LIMITED	Rajasthan	Private	IPP	Solar	250	30.92	16.62
MAHOBHA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	44.97	30.22
AZURE FORTY THREE PVT LTD	Rajasthan	Private	IPP	Solar	300	64.98	29.11
ACME CHITTORGARH ENERGY PVT LTD.	Rajasthan	Private	IPP	Solar	250	53.94	29.00
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	38.66	25.98
AZURE POWER THIRTY FOUR PRIVATE LTD	Rajasthan	Private	IPP	Solar	130	29.38	30.38
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Rajasthan	Private	IPP	Solar	50	12.16	32.69
CLEAN SOLAR POWER (BHADLA) PVT LDT	Rajasthan	Private	IPP	Solar	300	60.87	27.27
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	11.73	31.52
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	51.48	27.68
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	44.16	29.68
SB ENERGY SIX PVT LTD	Rajasthan	Private	IPP	Solar	300	9.37	21.69
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	32.50	29.12
Northern Region					2180	503.32	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	37.73	20.28
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	35.38	19.02
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	36.8	19.78
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	80.78	43.43
ALFANAR WIND	Gujarat	Private	IPP	Wind	300	100.12	44.86

Monthly RE generation from Inter State Generating Station (ISGS) for June 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	87.54	47.06
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	89.66	40.17
ADANI GREEN ENERGY MP LTD(DAYAPAR)	Gujarat	Private	IPP	Wind	400	156.31	52.52
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	250	66.92	35.98
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	84.04	45.18
RENEW WIND ENERGY AP2	Gujarat	Private	IPP	Wind	300	108.51	48.62
Western Region					2750	883.79	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	87.72	47.16
ORANGE	Tamil Nadu	Private	IPP	Wind	200	69.04	46.40
MYTRA	Tamil Nadu	Private	IPP	Wind	187	65.29	46.93
BETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	126.2	69.61	37.42
SPRNG RENEWABLE ENERFY PVT LTD(PUGALUR)	Tamil Nadu	Private	IPP	Wind	200	65.43	43.97
Southern Region					763.2	357.09	
Total					5693.2	1744.19	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise) for June 2021						
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)	Monthly CUF (%)
				June 2021	April 2021 to June 2021	
NTPC						
NTPC Faridabad_Solar	Haryana	5	Solar	0.65	1.87	18.06
NTPC Bhadla	Rajasthan	260	Solar	40.57	117.17	21.67
NTPC Dadri_Solar	Uttar Pradesh	5	Solar	0.63	1.91	17.50
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	0.93	3.44	12.92
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	1.59	5.37	14.72
NTPC Auraiya	Uttar Pradesh	20	Solar	3.09	9.22	21.46
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	3.46	9.97	60.07
NTPC Rojmal	Gujarat	50	Wind	6.67	24.12	18.53
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	6.49	21.09	18.03
NTPC Mandsaur	Madhya Pradesh	250	Solar	34.25	108.16	19.03
NTPC Anantapuram	Andhra Pradesh	250	Solar	32.58	104.85	18.10
NTPC Ramagundam	Telangana	10	Solar	0.94	3.46	13.06
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.43	1.28	11.94
NTPC Talchar _Solar	Orissa	10	Solar	1.02	3.61	14.17
NTPC Solar_Bilhaur *	Uttar Pradesh	225	Solar	39.43	125.35	24.34
Total NTPC		1173		172.73	540.87	
THDC						
THDC Patan Wind Power Project	Gujarat	50	Wind	10.16	25.14	28.22
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	18.68	40.52	41.18
THDC Solar Kasaragod	Kerala	50	Solar	6.37	18.55	17.69
THDCIL's premises at Rishikesh	Uttarakhand	0.5	Solar	0.03	0.09	8.89
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	2.60	6.16	15.05
Total THDC		187.5		37.84	90.46	
NHPC						
NHPC Wind Power Project	Rajasthan	50	Wind	13.22	26.73	36.71
NHPC Solar Power Project	Tamilnadu	50	Solar	7.81	24.22	21.70
Total NHPC		100		21.03	50.95	
ONGC						
ONGC Wind, Bhuj	Gujarat	51.00	Wind	13.73	28.46	37.40
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	23.46	51.75	31.94
ONGC Solar, Goa	Goa	1.00	Solar	0.10	0.35	14.28

Renewable Energy Generation Data (CPSU Wise) for June 2021

ONGC Solar, Hazira	Gujarat	10.00	Solar	1.22	4.08	16.94
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.50	1.77	14.00
ONGC Solar, Rajahmundry	Andhra Pradesh	1.00	Solar	0.09	0.32	13.19
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.10	0.30	12.41
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.15	0.53	4.03
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.45	1.47	14.66
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.12	0.42	10.39
ONGC Solar, Uttarakhand (RTS)	Uttarakhand	1.24	Solar	0.14	0.41	15.29
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.07	11.36
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.23
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.02	16.40
ONGC Solar, DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00
Total ONGC		184.05		40.09	89.96	
SJVN Limited						
Khirvire Wind Power	Maharashtra	47.6	Wind	6.38	14.77	18.63
Sadla Wind Power	Gujarat	50	Solar	11.12	29.06	30.89
Charanka Solar Power	Gujarat	5.6	Solar	0.64	2.28	15.99
Total SJVN		103.2		18.15	46.12	
Oil India Ltd						
Oil India Ltd	Rajasthan	14	Solar	1.87	6.16	18.51
Oil India Ltd	Rajasthan	67.6	Wind	13.45	25.34	27.64
Oil India Ltd	Gujarat	43.3	Wind	7.79	21.77	24.99
Oil India Ltd	Madhya Pradesh	63.2	Wind	14.89	39.35	32.72
Total Oil India Ltd		188.1		38.00	92.62	
NEEPCO						
NEEPCO	Tripura	5	Solar	0.57	1.63	15.72
DVC						
DVC	West Bengal	0.078	Solar	0.01	0.03	16.92
DVC	Jharkhand	4	Small Hydro	1.45	1.46	50.34
DVC Total		4.078		1.46	1.49	
All India Total		1944.93		329.86	914.09	

Generation of CPSU owned RE generating stations is shown in respective state according to physical location so their generation should not be considered additional generation.

Renewable Energy Curtailment During June 2021

(As Available on SLDCs web site or informed furnished by respective SLDC)

Table 11 RE Curtailment Data as available from SLDCs

Renewable Energy Curtailment for the month of June -2021			
S.No.	States	Curtailment (MU)	Source
1.	Andhra Pradesh		APTRANSCO Website- http://apps.aptransco.co.in/sldcreports/forms/BackDownWind.aspx
2.	Telangana	0	Information furnished by SLDC, TSTransco through email.
3.	Tamil Nadu	-	No information is available on website.
4.	Karnataka	0	SLDC, KPTCL Website- http://kptclsldc.com/recurtail.aspx
5.	Maharashtra	-	No information is available on website.
6.	Gujarat	-	No information is available on website.
7.	Rajasthan	—	SLDC, RRVPNL Website- https://sldc.rajasthan.gov.in/mis/monthlyReDsmReports
8.	Madhya Pradesh	—	SLDC, MP Power Transmission Corporation Ltd.- http://223.31.122.117/mpslhc/RE_DATA

Table 12 Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of June 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
AURAIYA SOLAR	Solar	3.24	3.06	-0.18
ACME CHITTORGARH ENERGY PVT LTD	Solar	48.45	53.94	5.49
AZURE FORTY THREE PVT LTD	Solar	62.58	64.98	2.40
AZURE SOLAR	Solar	36.81	38.66	1.86
AZURE SOLAR THIRTY FOUR	Solar	27.12	29.38	2.26
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Solar	13.07	12.16	-0.91
CLEAN SOLAR POWER(BHADLA) PVT LTD.	Solar	59.83	60.87	1.04
DADRI SOLAR	Solar	0.65	0.63	-0.02
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Solar	11.96	11.98	0.02
MAHINDRA RENEWABLE PRIVATE LIMITED	Solar	30.25	30.92	0.67
MAHOBA SOLAR	Solar	42.98	44.97	1.99
RENEW SOLAR	Solar	11.22	11.72	0.50
RENEW SOLAR POWER LTD PVT BIKANER	Solar	49.93	51.48	1.55
SB ENERGY	Solar	44.27	44.16	-0.11
SB ENERGY SIX PVT LTD	Solar	13.79	9.37	-4.42
SINGRAULI SOLAR	Solar	1.58	1.59	0.01
TATA POWER RENEWABLE	Solar	33.11	32.50	-0.61
UNCHAHAH SOLAR	Solar	1.09	0.93	-0.16
Western Region				
ACME SOLAR (RAMNAGAR)	Solar	36.95	37.73	0.78
ADANI GREEN ENERGY MP LTD	Wind	151.75	156.31	4.56
ALFANAR WIND	Wind	102.36	100.12	-2.24
ARINSUN SOLAR (BARSATADESH)	Solar	35.80	35.38	-0.43
GREEN INFRA WIND ENERGY LIMITED SECI 2	Wind	92.36	87.54	-4.82
GREEN INFRA WIND ENERGY LIMITED SECI 3	Wind	93.39	89.66	-3.74
INOX WIND	Wind	69.85	66.92	-2.93
MAHINDRA SOLAR (BADWAR)	Solar	36.94	36.80	-0.14
OSTRO -KUTCH	Wind	87.46	84.04	-3.42
RENEW WIND ENERGY AP2	Wind	105.21	108.51	3.30
RENEW POWER	Solar	80.25	80.78	0.53
Southern Region				
BEETAM	Wind	70.22	69.61	-0.61
GIREL	Wind	89.16	87.72	-1.44
MYTRAH	Wind	70.33	65.29	-5.04
ORANGE	Wind	66.77	69.04	2.28
SPRNG RENEWABLE ENERFY PVT LTD(PUGALUR)	Wind	67.02	65.43	-1.59

+ve Deviation Means Actual generation is greater than Schedule Generation.

Table 13 Fossil and Non-Fossil Generation

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of June 2021							
State/UT	Fossil		Non Fossil			Grand Total	Non Fossil as % of Total Generation
	Thermal	Gas	Nuclear	Hydro (Large)	Renewable Energy		
Chandigarh	0.00	0.00	0.00	0.00	2.31	2.31	100.00
Delhi	0.00	427.39	0.00	0.00	30.56	457.95	6.67
Haryana	1842.47	0.07	0.00	0.00	69.55	1912.09	3.64
HP	0.00	0.00	0.00	4992.39	57.91	5050.30	100.00
J & K	0.00	0.00	0.00	2187.95	57.80	2245.75	100.00
Ladakh	0.00	0.00	0.00	59.66	0.00	59.66	100.00
Punjab	2191.89	0.00	0.00	449.22	352.97	2994.08	26.79
Rajasthan	3059.02	131.14	698.23	0.08	2141.26	6029.73	47.09
Uttar Pradesh	10788.41	126.79	295.64	130.81	222.83	11564.48	5.61
Uttarakhand	0.00	144.29	0.00	1394.35	71.67	1610.31	91.04
Northern Region	17881.79	829.68	993.87	9214.46	3006.86	31926.66	41.39
Chhattisgarh	11544.23	0.00	0.00	3.69	160.74	11708.66	1.40
Gujarat	4091.41	855.42	297.85	549.18	2673.00	8466.86	41.57
Madhya Pradesh	9173.89	0.00	0.00	439.87	912.72	10526.48	12.85
Maharashtra	8166.16	644.98	783.31	439.34	1594.18	11627.97	24.22
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	4.78	4.78	100.00
Daman & Diu	0.00	0.00	0.00	0.00	4.64	4.64	100.00
Goa	0.00	0.00	0.00	0.00	0.10	0.10	100.00
Western Region	32975.69	1500.40	1081.16	1432.08	5350.17	42339.50	18.57
Andhra Pradesh	3755.27	238.69	0.00	83.46	1963.30	6040.72	33.88
Telangana	3966.72	0.00	0.00	161.60	594.80	4723.12	16.01
Karnataka	1029.79	0.00	630.18	953.66	2626.96	5240.59	80.35
Kerala	0.00	0.00	0.00	687.21	141.57	828.78	100.00
Tamil Nadu	5010.61	142.96	1186.91	430.84	3154.64	9925.96	48.08
Lakshadweep	0.00	0.00	0.00	0.00	0.02	0.02	100.00
Puducherry	0.00	20.90	0.00	0.00	1.02	21.92	4.65
Southern Region	13762.39	402.55	1817.09	2316.77	8482.31	26781.11	47.11
Andaman Nicobar	6.59	0.00	0.00	0.00	2.75	9.34	29.44
Bihar	3365.40	0.00	0.00	0.00	12.44	3377.84	0.37
Jharkhand	2354.75	0.00	0.00	62.26	1.59	2418.60	2.64
Orissa	4724.13	0.00	0.00	429.64	81.49	5235.26	9.76
Sikkim	0.00	0.00	0.00	1454.76	1.03	1455.79	100.00
West Bengal	6606.33	0.00	0.00	377.16	138.17	7121.66	7.24
Eastern Region	17057.20	0.00	0.00	2323.82	237.46	19618.48	13.06
Arunachal Pradesh	0.00	0.00	0.00	502.55	0.16	502.71	100.00
Assam	336.17	253.53	0.00	68.89	8.87	667.46	11.65
Manipur	0.00	0.00	0.00	36.32	0.46	36.78	100.00
Meghalaya	0.00	0.00	0.00	104.49	3.12	107.61	100.00
Mizoram	0.00	0.00	0.00	2.99	0.26	3.25	100.00
Nagaland	0.00	0.00	0.00	5.92	0.07	5.99	100.00

Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of June 2021

State/UT	Fossil		Non Fossil			Grand Total	Non Fossil as % of Total Generation
	Thermal	Gas	Nuclear	Hydro (Large)	Renewable Energy		
Tripura	0.00	438.34	0.00	0.00	0.57	438.91	0.13
North Eastern Region	336.17	691.87	0.00	721.16	13.50	1762.70	41.68
All India Total	82013.24	3424.50	3892.12	16008.29	17090.30	122428.45	30.21

Table 14 Renewable Energy as % of Total Electricity Generated

RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of June 2021							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	2.31	2.31	100.00
Delhi	0.00	427.39	0.00	0.00	30.56	457.95	6.67
Haryana	1842.47	0.07	0.00	0.00	69.55	1912.09	3.64
HP	0.00	0.00	0.00	4992.39	57.91	5050.30	1.15
J & K	0.00	0.00	0.00	2187.95	57.80	2245.75	2.57
Ladakh	0.00	0.00	0.00	59.66	0.00	59.66	0.00
Punjab	2191.89	0.00	0.00	449.22	352.97	2994.08	11.79
Rajasthan	3059.02	131.14	698.23	0.08	2141.26	6029.73	35.51
Uttar Pradesh	10788.41	126.79	295.64	130.81	222.83	11564.48	1.93
Uttarakhand	0.00	144.29	0.00	1394.35	71.67	1610.31	4.45
Northern Region	17881.79	829.68	993.87	9214.46	3006.86	31926.66	9.42
Chhattisgarh	11544.23	0.00	0.00	3.69	160.74	11708.66	1.37
Gujarat	4091.41	855.42	297.85	549.18	2673.00	8466.86	31.57
Madhya Pradesh	9173.89	0.00	0.00	439.87	912.72	10526.48	8.67
Maharashtra	8166.16	644.98	783.31	439.34	1594.18	11627.97	13.71
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	4.78	4.78	100.00
Daman & Diu	0.00	0.00	0.00	0.00	4.64	4.64	100.00
Goa	0.00	0.00	0.00	0.00	0.10	0.10	100.00
Western Region	32975.69	1500.40	1081.16	1432.08	5350.17	42339.50	12.64
Andhra Pradesh	3755.27	238.69	0.00	83.46	1963.30	6040.72	32.50
Telangana	3966.72	0.00	0.00	161.60	594.80	4723.12	12.59
Karnataka	1029.79	0.00	630.18	953.66	2626.96	5240.59	50.13
Kerala	0.00	0.00	0.00	687.21	141.57	828.78	17.08
Tamil Nadu	5010.61	142.96	1186.91	430.84	3154.64	9925.96	31.78
Lakshadweep	0.00	0.00	0.00	0.00	0.02	0.02	100.00
Puducherry	0.00	20.90	0.00	0.00	1.02	21.92	4.65
Southern Region	13762.39	402.55	1817.09	2316.77	8482.31	26781.11	31.67
Andaman Nicobar	6.59	0.00	0.00	0.00	2.75	9.34	29.44
Bihar	3365.40	0.00	0.00	0.00	12.44	3377.84	0.37
Jharkhand	2354.75	0.00	0.00	62.26	1.59	2418.60	0.07
Orissa	4724.13	0.00	0.00	429.64	81.49	5235.26	1.56
Sikkim	0.00	0.00	0.00	1454.76	1.03	1455.79	0.07
West Bengal	6606.33	0.00	0.00	377.16	138.17	7121.66	1.94
Eastern Region	17057.20	0.00	0.00	2323.82	237.46	19618.48	1.21
Arunachal Pradesh	0.00	0.00	0.00	502.55	0.16	502.71	0.03
Assam	336.17	253.53	0.00	68.89	8.87	667.46	1.33
Manipur	0.00	0.00	0.00	36.32	0.46	36.78	1.25
Meghalaya	0.00	0.00	0.00	104.49	3.12	107.61	2.90
Mizoram	0.00	0.00	0.00	2.99	0.26	3.25	7.90

RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of June 2021

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Nagaland	0.00	0.00	0.00	5.92	0.07	5.99	1.15
Tripura	0.00	438.34	0.00	0.00	0.57	438.91	0.13
North Eastern Region	336.17	691.87	0.00	721.16	13.50	1762.70	0.77
All India Total	82013.24	3424.50	3892.12	16008.29	17090.30	122428.45	13.96

RENEWABLE ENERGY TO TRANSPORT SECTOR :

Table 15 REWA Solar To Delhi Metro

From Rewa Solar Park (MP) to DMRC				
	Delhi Discoms			
Month	BRPL	BYPL	TPDDL	Total (MUs)
April ,2021	11.51	5.65	5.42	22.57
May ,2021	3.01	1.01	1.25	5.27
June ,2021	12.32	6.69	6.40	25.41
All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

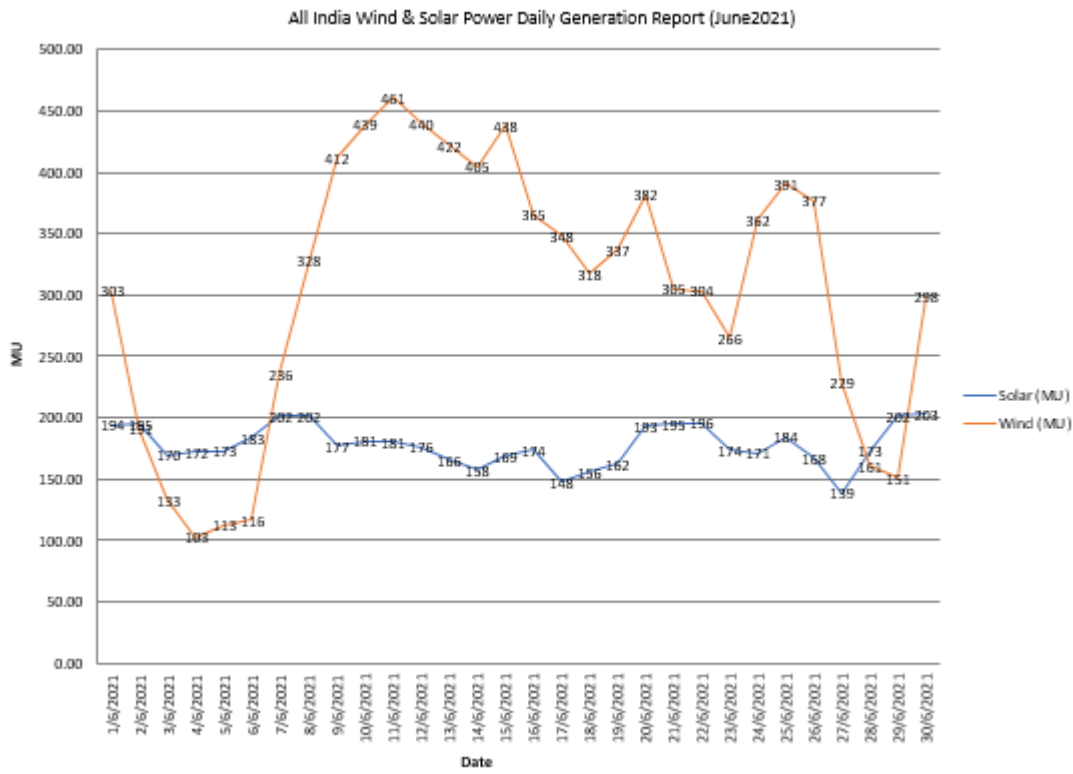


Figure 19 Daily Solar and wind Power Generation trend in the month of June-21



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