



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



नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

वितरण सूची/Distribution List

1. सचिव, विद्युत मंत्रालय, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली- 110001
Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-01
2. सचिव, नवीन और नवीकरणीय ऊर्जा मंत्रालय, ब्लॉक -14, सीजीओ कॉम्प्लेक्स, लोधी रोड, नई दिल्ली -110003
Secretary, Ministry of New and Renewable Energy, , CGO Complex, Lodhi Road, New Delhi-03
3. अध्यक्ष, के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066
Chairperson, CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
4. सदस्य (योजना), के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066
Member (Planning), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
5. सदस्य (ई & सी), के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066
Member (E&C), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
6. सदस्य (जी.ओ.डी.), के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066
Member (GO&D), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
7. श्री घनश्याम प्रसाद, संयुक्त सचिव(R&R), विद्युत मंत्रालय, श्रम शक्ति भवन , नई दिल्ली-110001
Shri Ghanshyam Prasad, Joint Secretary(R&R), Ministry of Power, SS Bhawan, New Delhi-01
8. सलाहकार (ऊर्जा), नीति आयोग, संसद मार्ग, नई दिल्ली, दिल्ली 110001
Adviser (Energy), Niti Aayog, Sansad Marg, New Delhi, Delhi 110001
9. मुख्य अभियंता (जी.एम.), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066
Chief Engineer (GM), CEA, Sewa Bhawan, New Delhi-110066
10. मुख्य अभियंता (आई.टी.), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066
Chief Engineer (IT), CEA, Sewa Bhawan, New Delhi-110066
11. मुख्य अभियंता (ओ.पी.एम.), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066
Chief Engineer (OPM), CEA, Sewa Bhawan, New Delhi-110066
12. मुख्य अभियंता (समन्वय), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066
Chief Engineer (Coord.), CEA, Sewa Bhawan, New Delhi-110066
13. निदेशालय (अर्थशास्त्र और सांख्यिकी), विकास भवन- II, तीसरी मंजिल, B 'विंग', मेटकाफ हाउस, न. दि -110054
Directorate of Economics & Statistics, Vikas Bhawan-II, Illrd Floor, 'B' Wing, Metcalfe House, ND-54.

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Increased by 30.68% as compared to June 21.

Increased by 42.91 % as compared to July 20.

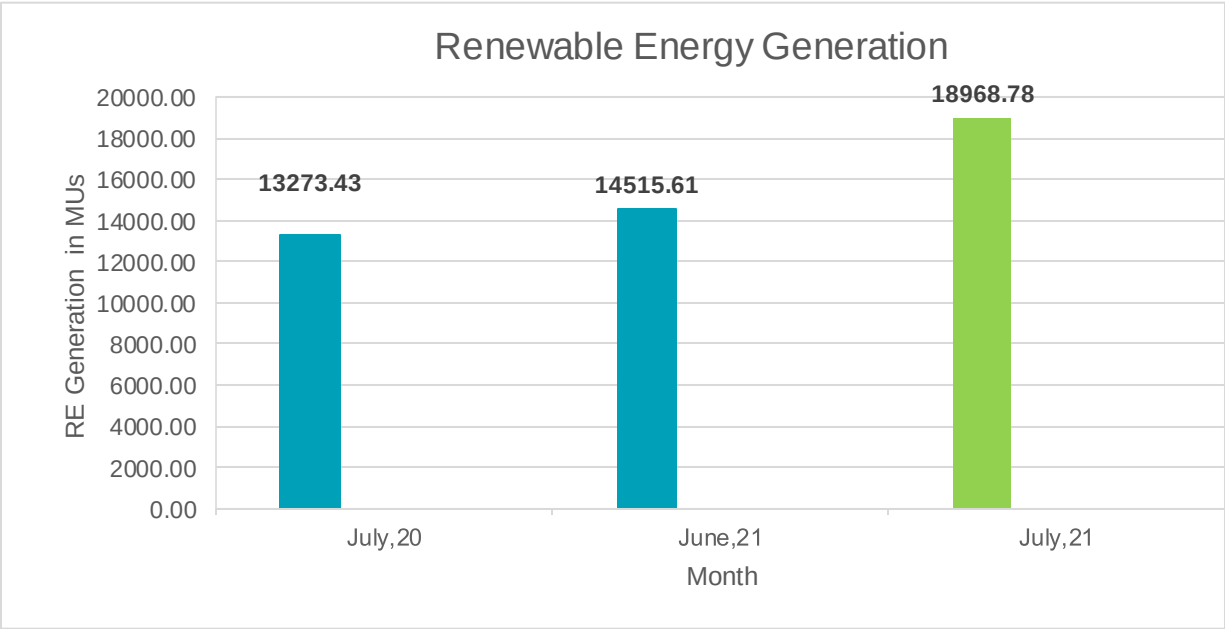


Figure 1: Renewable Energy Generation

Increased by 48. 33 % as compared to June 21.

Increased by 417.06 % as compared to July 20.

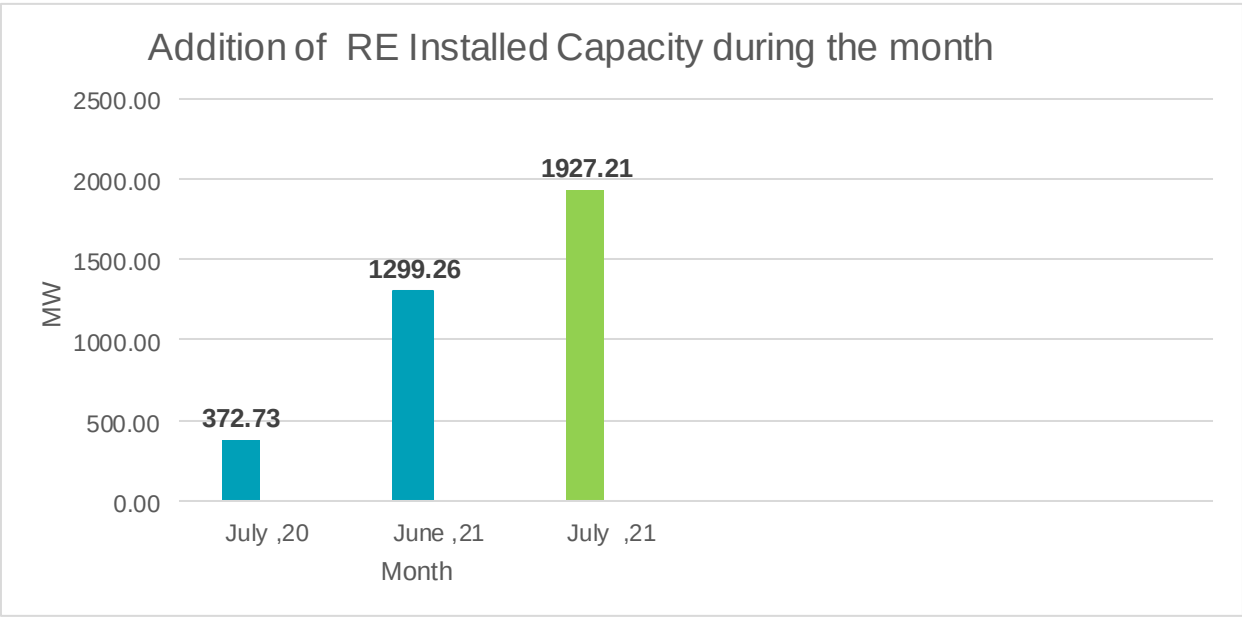


Figure 2 RE capacity added during the Month

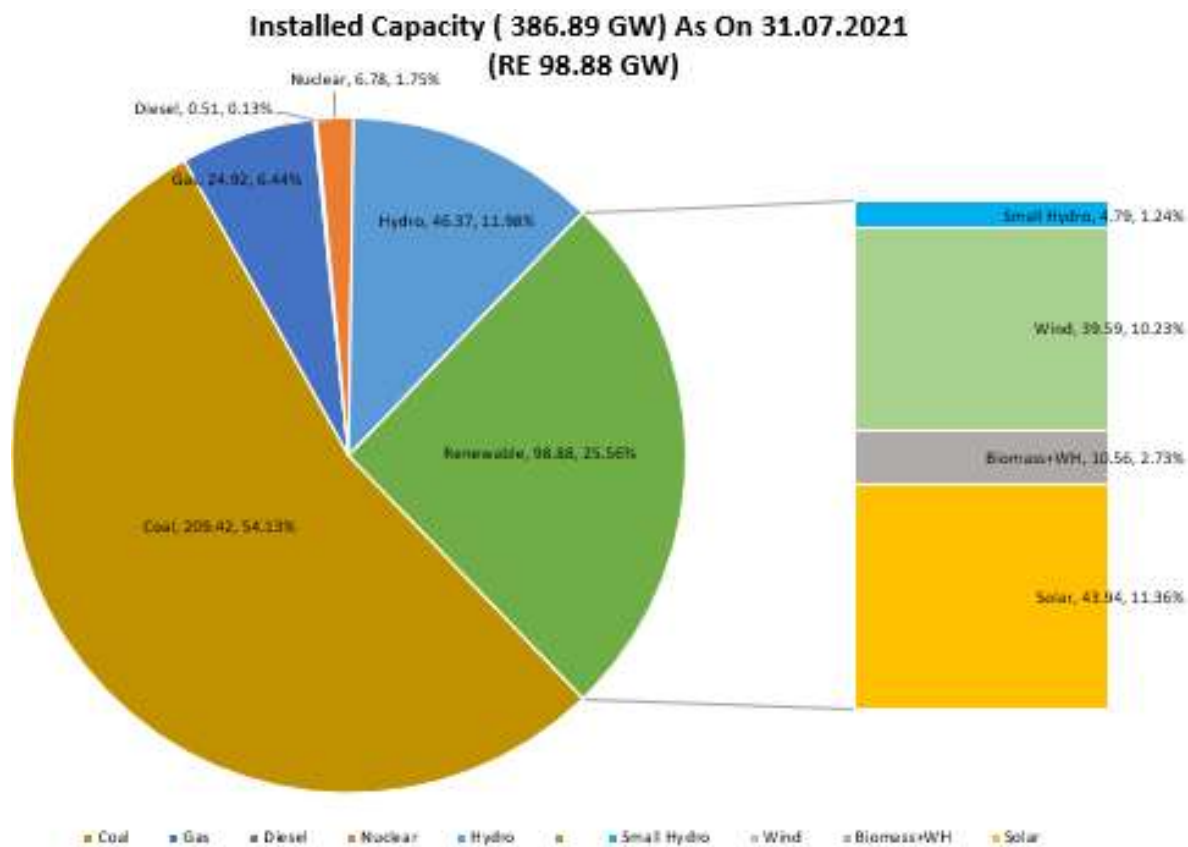


Figure 3 Installed Capacity in India as on 31.07.2021

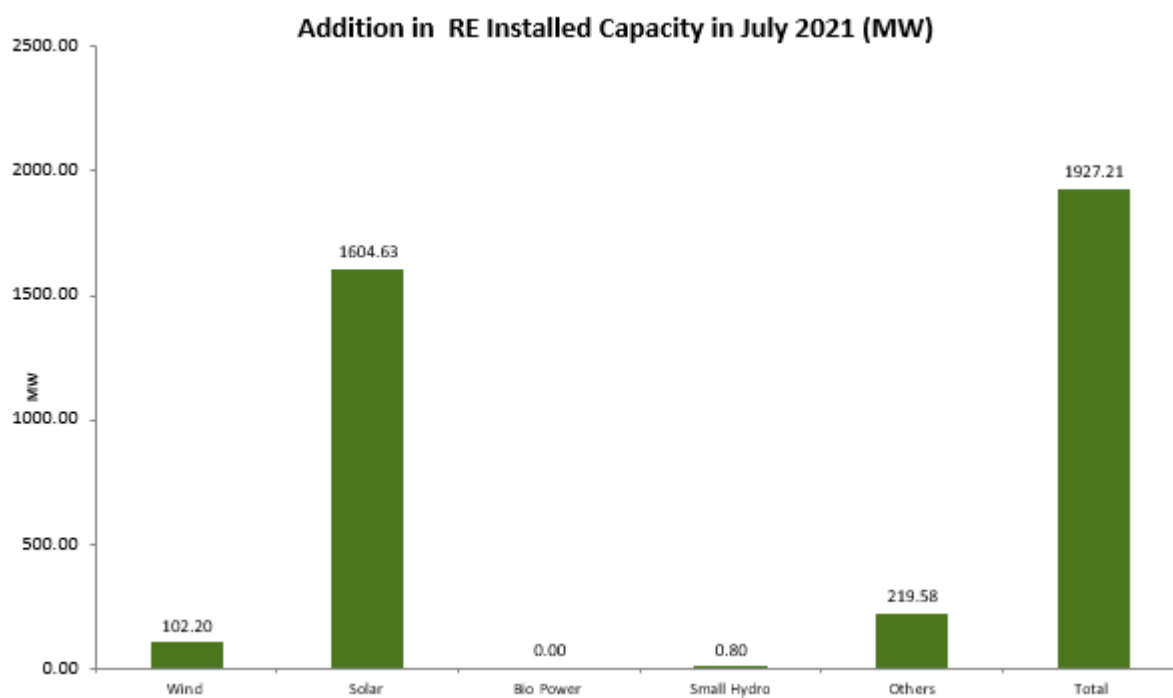


Figure 4: Source wise addition in RE Installed Capacity in July 21

HIGHLIGHTS OF RE GENERATION DURING JULY 2021

1. RE generation increased by 42.91 % in July 2021 as compared to July 2020.
2. Wind Power generation during the month of July 2021 increased in Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Karnataka and Tamil Nadu in Karnataka, as compared to July 2020.
3. Daily wind generation increased by 63.94 % as compared to July 2020 and increased by 13.64 % as compared to June 2021.
4. Solar Power generation during the month of July 2021 increased in Punjab, Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Karnataka ,Tamil Nadu Kerala and Orissa as compared to July 2020.
5. Daily solar generation increased by 11.44 % as compared to July 2020 and decreased by 16.69% as compared to June 2021.

ALL INDIA SUMMARY OF RENEWABLE ENERGY GENERATION

Table 1 All India Summary of Renewable Energy Generation

Source	Installed Capacity (MW) as on 30.07.2021 (as per MNRE)	RE Generation (MU) July ' 2020	RE Generation (MU) July ' 2021	% of Last Year (2/3)	RE Generation (MU) April'2019-July '2020	RE Generation (MU) April'2020-July '2021	% Of Last Year (5/6)
	1	2	3	4	5	6	7
Wind	39588.85	6966.96	11421.28	163.94	24574.50	31964.63	130.07
Solar	43940.12	4639.48	5170.03	111.44	20314.47	23293.10	114.66
Biomass	10170.92	278.91	303.07	108.66	1161.36	1211.27	104.30
Bagasse		164.17	691.79	421.38	1846.71	2131.60	115.43
Small Hydro	4794.61	1079.69	1222.07	113.19	3361.34	2942.33	87.53
Others	388.22	144.23	160.53	111.30	337.42	680.67	201.73
Total	98882.72	13273.43	18968.78	142.91	51595.79	62223.61	120.60

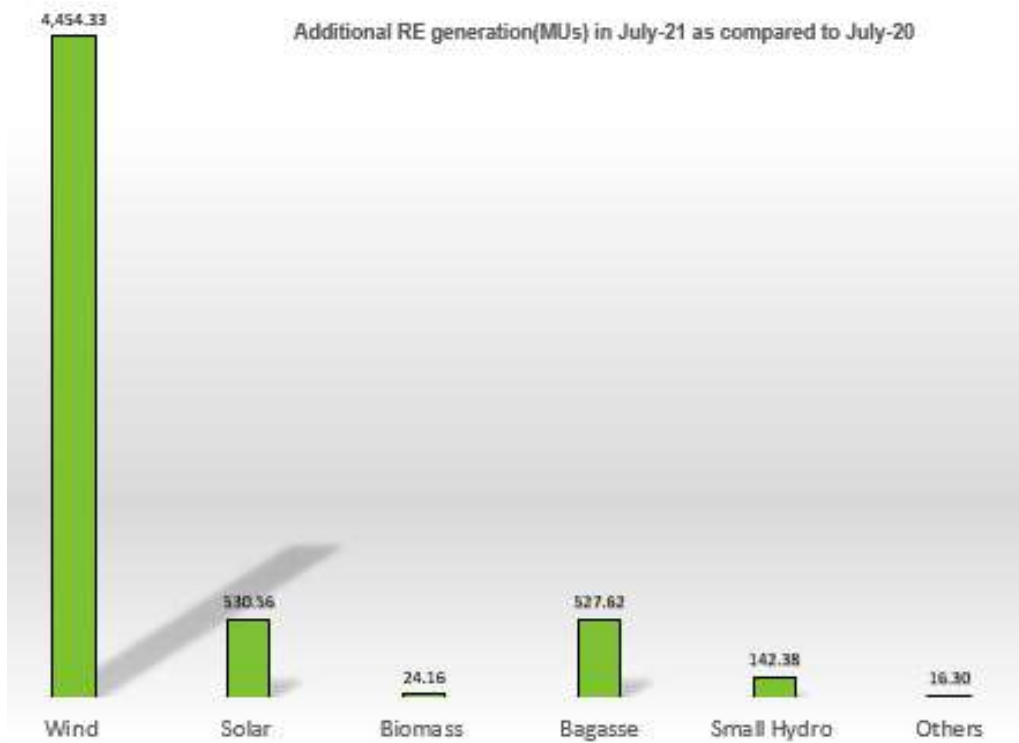


Figure 5 Additional RE Generation in July 21 compared to July 20

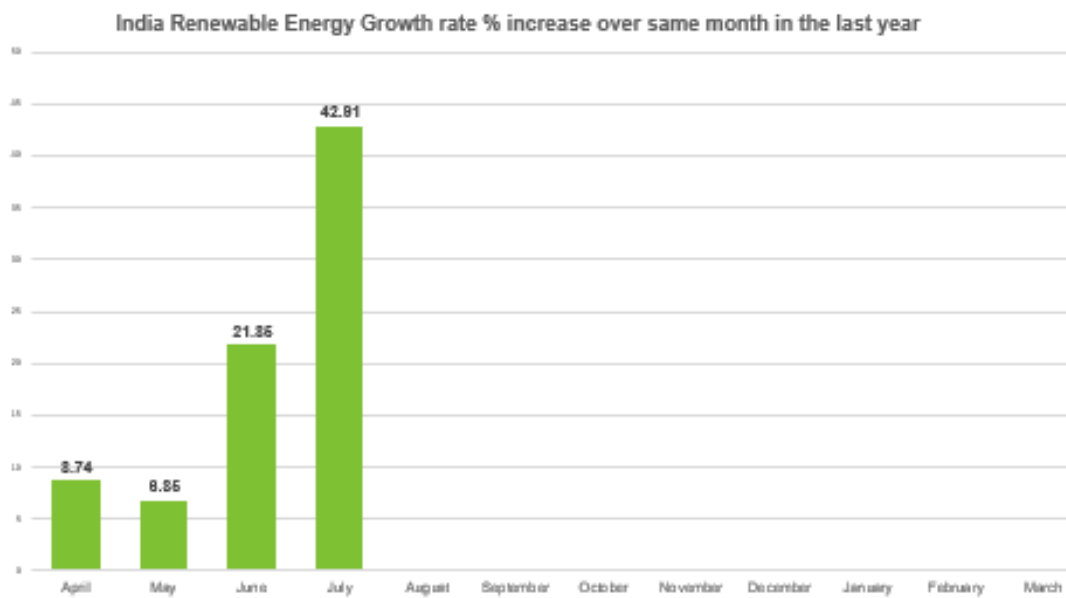


Figure 6: Month Wise Growth of RE Generation in 2021-22 w.r.t to 2020-21

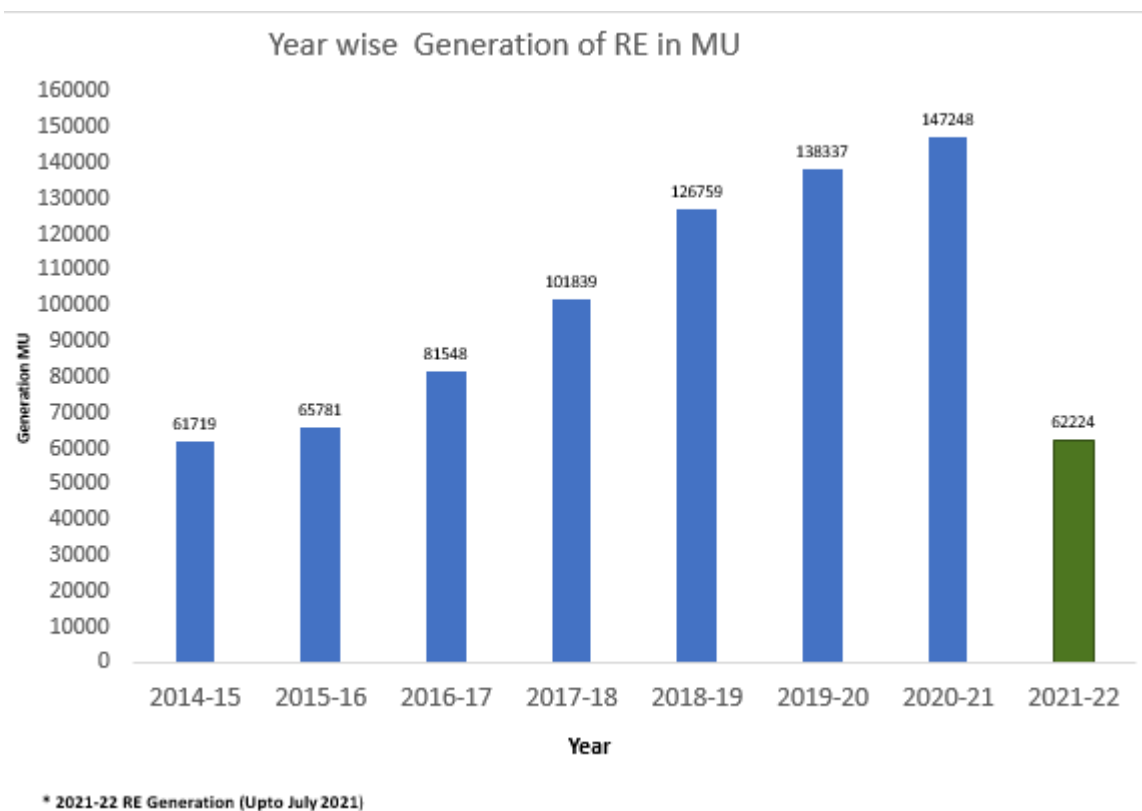


Figure 7 Year Wise RE Generation

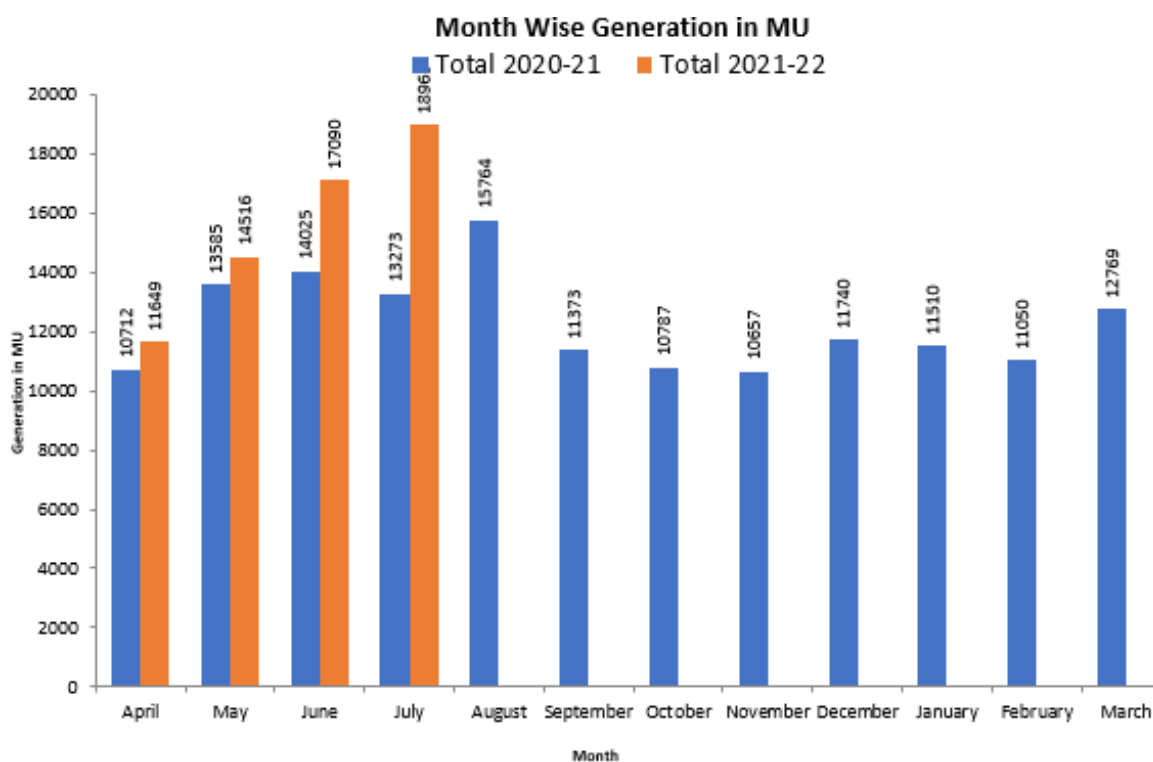


Figure 8 comparison of Month Wise RE Generation in year 2021-22 & in year 2020-21

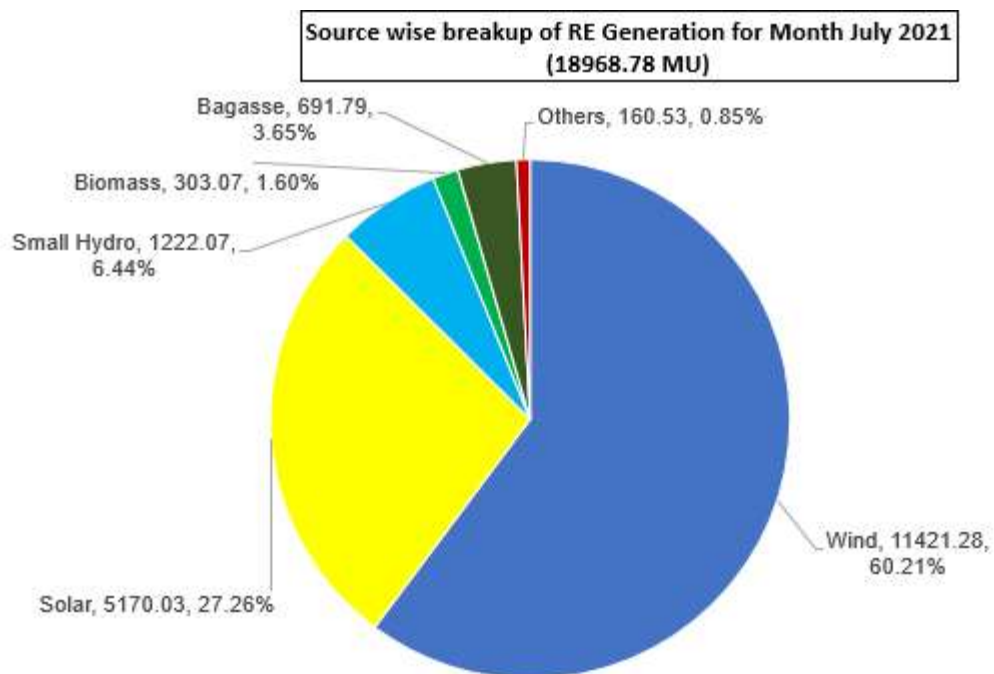


Figure 9 Source wise breakup of RE Generation in the month of July -21

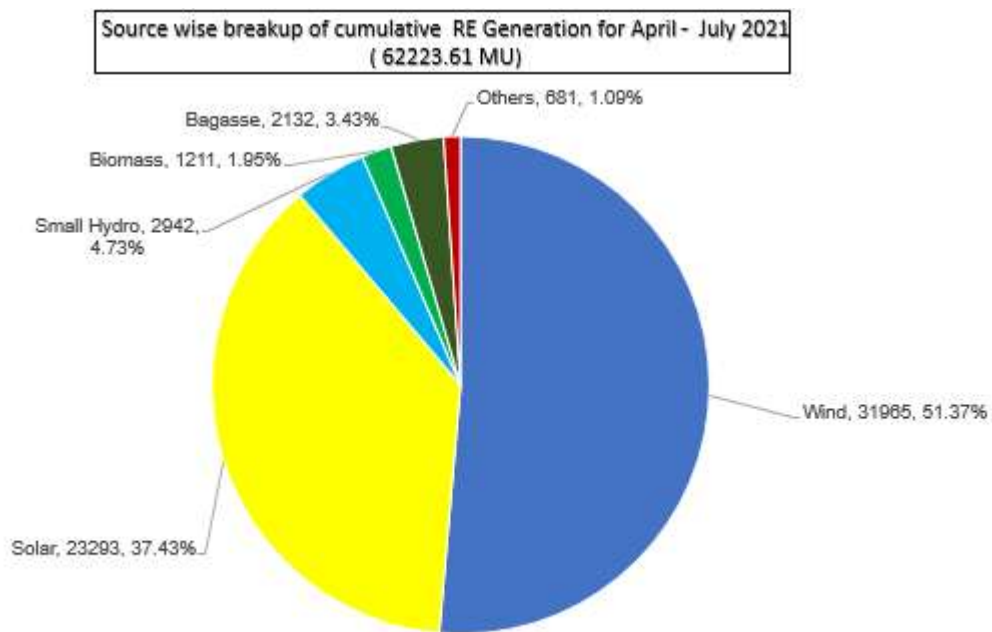


Figure 10 Source wise breakup of Cumulative RE Generation (April-21 – July -21)

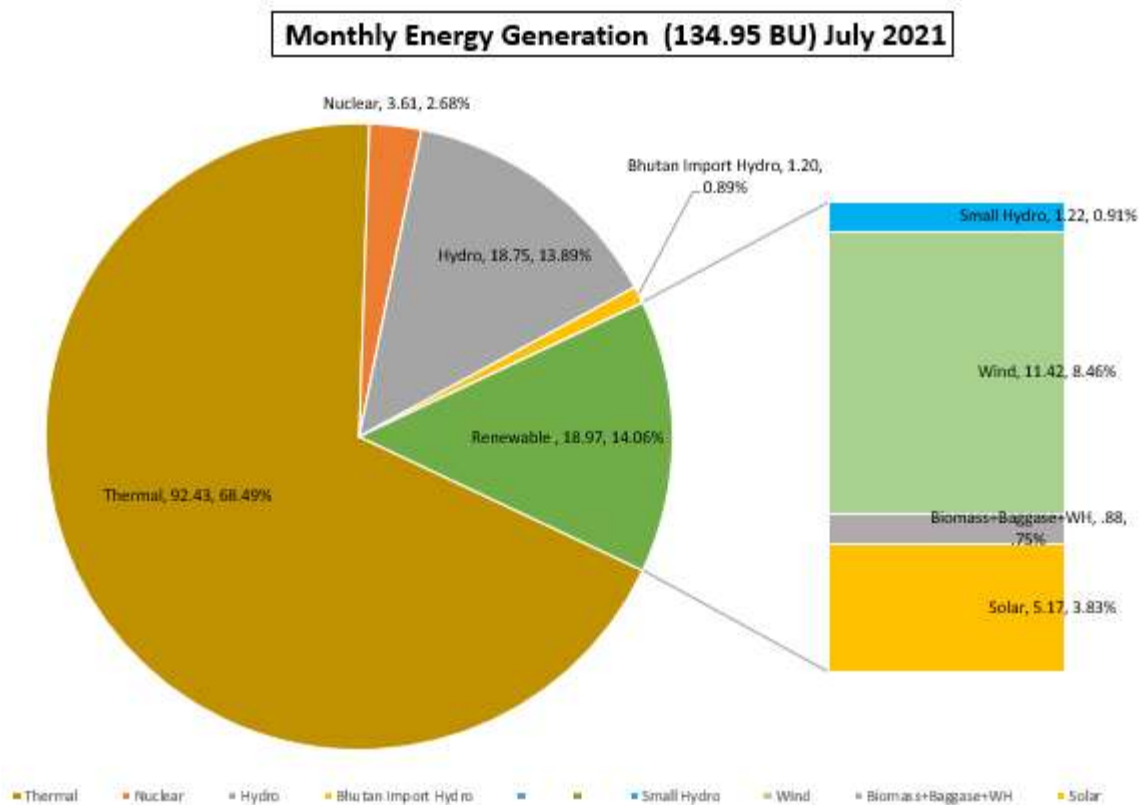


Figure 11 Total Energy Generation in India and Share of RE in the month of July -21

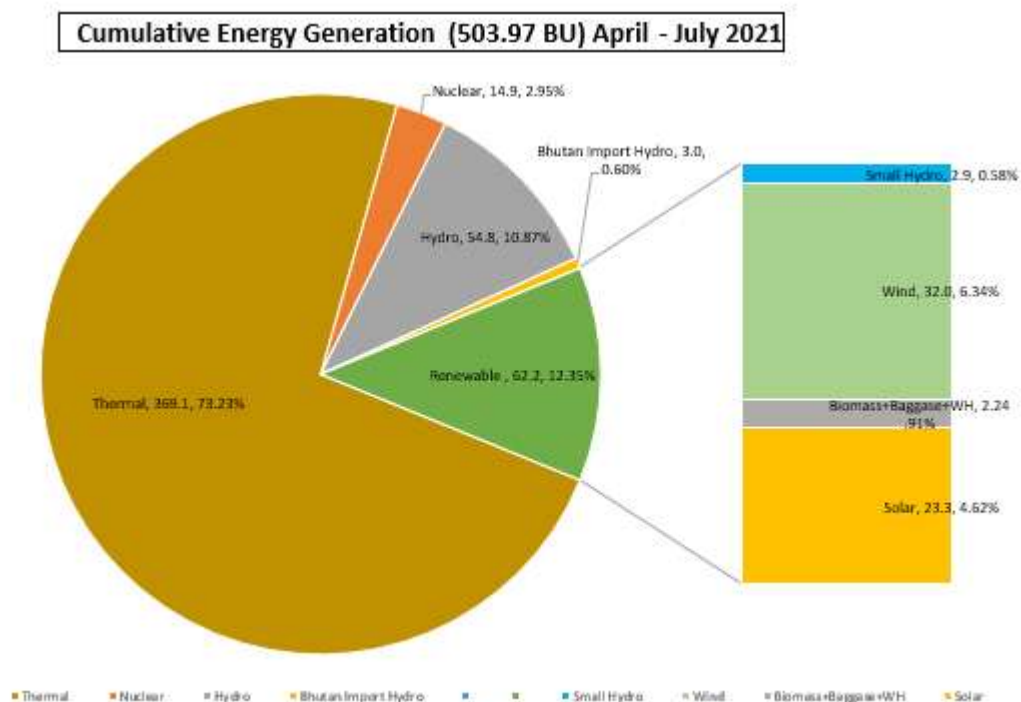


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-21 – July -21)

Table 2 State Wise Renewable Energy Generation

Renewable Energy Generation (State Wise) for the month of July 2021				
State	July'2020	July' 2021	April'2020- July '2020	April'2021- July 2021
Chandigarh	0.28	0.24	5.12	4.53
Delhi	35.38	36.90	160.95	127.05
Haryana	53.91	67.80	244.90	286.02
Himachal Pradesh	275.52	286.25	1068.14	597.75
J & K	55.55	52.90	222.86	204.81
Ladakh	0.00	0.00	0.00	0.00
Punjab	263.28	352.23	1009.11	1155.52
Rajasthan	1688.37	2158.57	6550.02	7667.60
Uttar Pradesh	188.75	242.48	1548.61	1571.00
Uttarakhand	113.95	71.67	478.10	286.68
Northern Region	2674.99	3269.04	11287.82	11900.97
Chhattisgarh	136.21	160.69	546.93	601.54
Gujarat	1576.95	3256.06	6751.32	10063.17
Madhya Pradesh	670.24	931.13	3228.49	3548.78
Maharashtra	1072.31	1628.16	4289.93	5657.14
Dadra and Nagar Haveli	0.44	4.78	2.21	14.63
Daman & Diu	2.97	3.71	9.83	16.57
Goa	0.09	0.08	0.47	0.43
Western Region	3459.19	5984.60	14829.17	19902.26
Andhra Pradesh	1265.87	1691.61	4966.73	6195.53
Telangana	530.37	517.05	2375.06	2433.89
Karnataka	2334.57	3529.72	8710.80	10171.10
Kerala	117.95	162.22	320.44	509.34
Tamil Nadu	2618.76	3535.60	8250.53	10057.63
Lakshadweep	0.03	0.02	0.17	0.12
Puducherry	0.37	1.02	1.48	4.08
Southern Region	6867.92	9437.23	24625.21	29371.69
Andaman Nicobar	2.08	2.62	5.95	10.29
Bihar	52.83	13.29	115.11	54.00
Jharkhand	1.46	1.38	5.54	6.45
Orissa	66.92	94.48	255.95	333.26
Sikkim	5.41	1.03	17.07	4.12
West Bengal	122.78	141.96	389.71	575.29
Eastern Region	251.48	254.76	789.34	983.41
Arunachal Pradesh	0.14	0.16	0.74	0.69
Assam	4.45	9.86	11.34	32.76
Manipur	0.48	0.48	1.83	1.85
Meghalaya	3.03	2.84	12.12	13.11
Mizoram	4.28	2.56	11.17	3.31
Nagaland	6.98	6.89	23.05	10.11
Tripura	0.49	0.37	4.00	3.46
North Eastern Region	19.85	23.14	64.25	65.29
All India Total	13273.43	18968.78	51595.79	62223.61

Table 3 State Wise Wind Power Generation

Wind Power Generation (State Wise) for the month of July 2021

State	July'2020	July' 2021	April'2020- July '2020	April'2021- July 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	762.89	1002.98	2754.94	3218.72
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	762.89	1002.98	2754.94	3218.72
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1219.11	2769.60	5132.15	7921.26
Madhya Pradesh	331.96	622.57	1735.70	2052.73
Maharashtra	804.00	1318.13	2713.20	3562.85
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	2355.07	4710.30	9581.06	13536.84
Andhra Pradesh	711.85	1107.30	2538.81	3285.30
Telangana	19.47	41.15	73.54	111.50
Karnataka	1053.56	1688.59	3593.26	4354.19
Kerala	16.31	19.47	50.67	56.24
Tamil Nadu	2047.80	2851.49	5982.22	7401.84
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	3848.99	5708.01	12238.50	15209.07
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	6966.96	11421.28	24574.50	31964.63

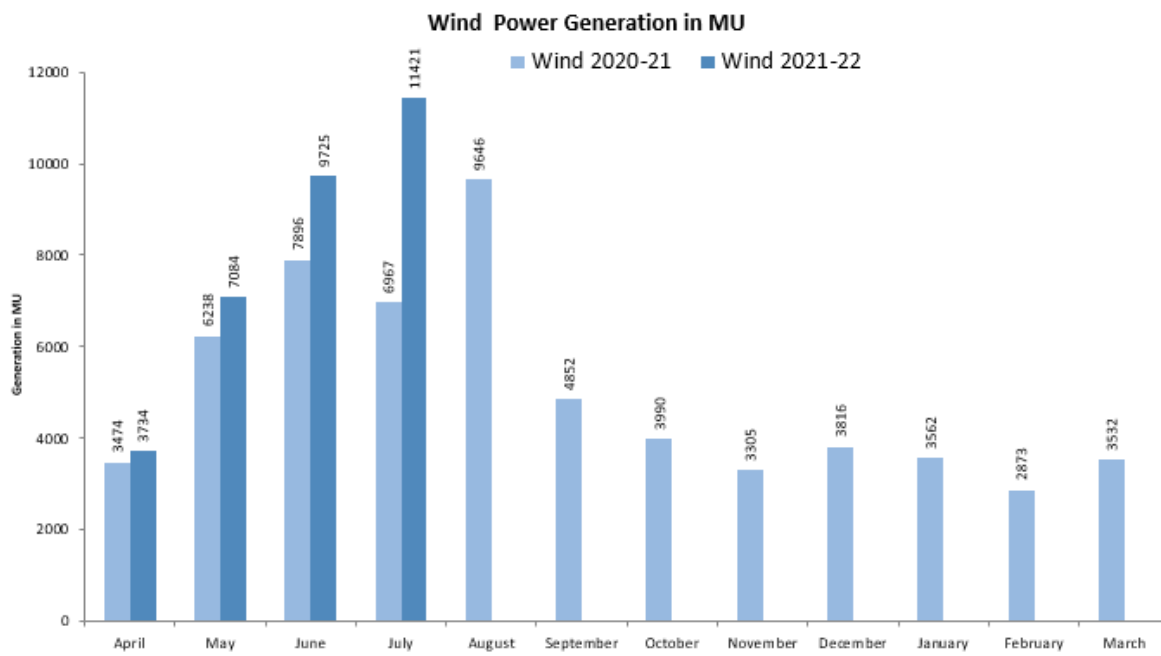


Figure 13 Monthly Wind Power Generation (2021-22 Up to July -21)

Table 4 State Wise Solar Power Generation

Solar Energy Generation (State Wise) for the month of July 2021				
State	July'2020	July' 2021	April'2020- July '2020	April'2021- July 2021
Chandigarh	0.28	0.24	5.12	4.53
Delhi	17.16	20.04	72.33	65.52
Haryana	7.44	30.77	25.49	140.65
Himachal Pradesh	3.32	3.88	12.88	15.74
J & K	0.95	0.00	0.95	1.71
Ladakh	0.00	0.00	0.00	0.00
Punjab	130.92	125.02	533.01	536.57
Rajasthan	887.27	1121.04	3654.61	4307.93
Uttar Pradesh	130.02	217.26	581.73	939.83
Uttarakhand	29.74	24.63	135.13	98.52
Northern Region	1207.10	1542.88	5021.27	6111.00
Chhattisgarh	27.28	26.37	120.52	122.48
Gujarat	328.54	471.44	1514.97	2095.50
Madhya Pradesh	313.41	292.28	1421.19	1434.96
Maharashtra	188.35	200.72	877.43	1163.92
Dadra and Nagar Haveli	0.44	4.78	2.21	14.63
Daman & Diu	1.65	2.60	8.25	12.80
Goa	0.09	0.08	0.47	0.43
Western Region	859.76	998.26	3945.03	4844.71
Andhra Pradesh	528.22	546.56	2319.98	2756.53
Telangana	482.00	438.12	2202.57	2183.41
Karnataka	980.62	933.85	4458.04	4529.88
Kerala	21.32	33.10	61.41	155.39
Tamil Nadu	506.61	607.24	2055.37	2390.35
Lakshadweep	0.03	0.02	0.17	0.12
Puducherry	0.37	1.02	1.48	4.08
Southern Region	2519.17	2559.91	11099.01	12019.74
Andaman Nicobar	1.39	1.15	4.19	7.06
Bihar	11.60	12.21	64.33	50.78
Jharkhand	0.96	1.38	5.04	6.18
Orissa	33.25	40.06	147.18	193.77
Sikkim	0.00	0.00	0.00	0.00
West Bengal	4.79	7.67	22.37	34.63
Eastern Region	51.98	62.47	243.10	292.43
Arunachal Pradesh	0.10	0.16	0.56	0.64
Assam	0.38	5.34	1.51	19.79
Manipur	0.48	0.48	1.83	1.85
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.02	0.18	0.10	0.90
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.49	0.37	2.06	2.02
North Eastern Region	1.47	6.52	6.05	25.20
All India Total	4639.48	5170.03	20314.47	23293.09

Solar Power Generation in MU

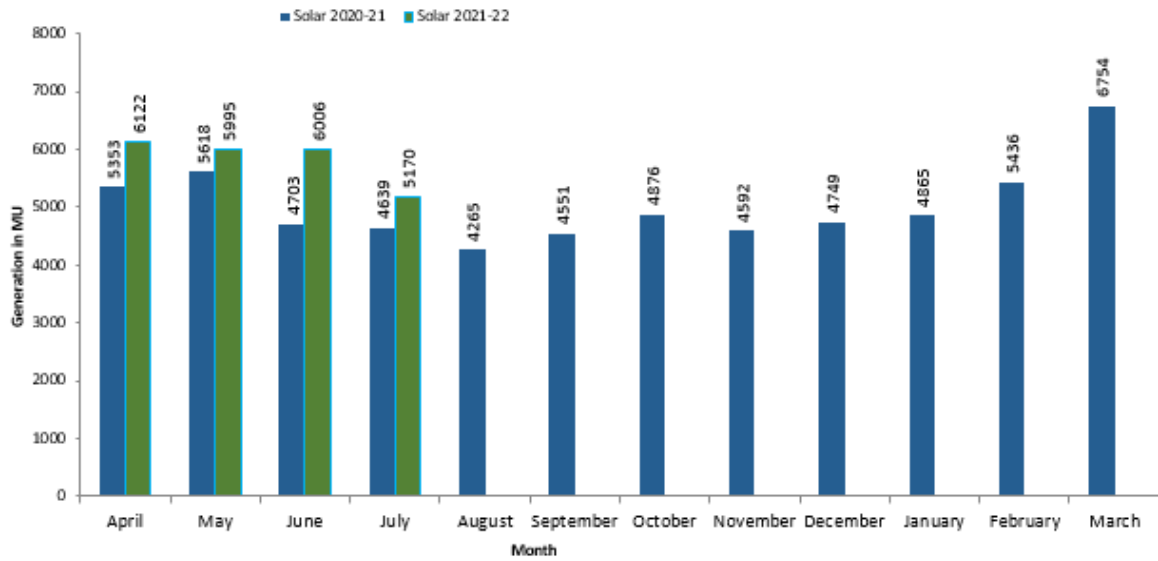


Figure 14 Monthly Solar Power Generation (2021-22 Up to July -21)

Table 5 State Wise Biomass Power Generation

Biomass Energy Generation (State Wise) for the month of July 2021				
State	July'2020	July' 2021	April'2020- July '2020	April'2021- July 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	14.08	13.30	56.93	54.79
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	41.41	46.71	179.61	202.05
Rajasthan	38.10	34.46	139.94	140.82
Uttar Pradesh	0.72	8.26	51.52	32.56
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	94.32	102.73	428.00	430.23
Chhattisgarh	82.08	107.53	368.00	436.09
Gujarat	9.76	0.00	39.24	0.00
Madhya Pradesh	0.01	0.00	0.01	0.00
Maharashtra	31.33	29.45	101.54	112.66
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	1.32	1.11	1.58	3.76
Goa	0.00	0.00	0.00	0.00
Western Region	124.50	138.08	510.37	552.52
Andhra Pradesh	10.94	11.52	41.48	39.24
Telangana	16.28	10.49	59.27	43.47
Karnataka	18.68	20.37	62.44	68.96
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	11.73	12.18	40.32	42.30
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	57.63	54.56	203.51	193.97
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	1.59	0.00	6.10	2.14
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.87	7.70	13.38	32.41
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region	2.46	7.70	19.48	34.55
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	303.07	1161.36	1211.28

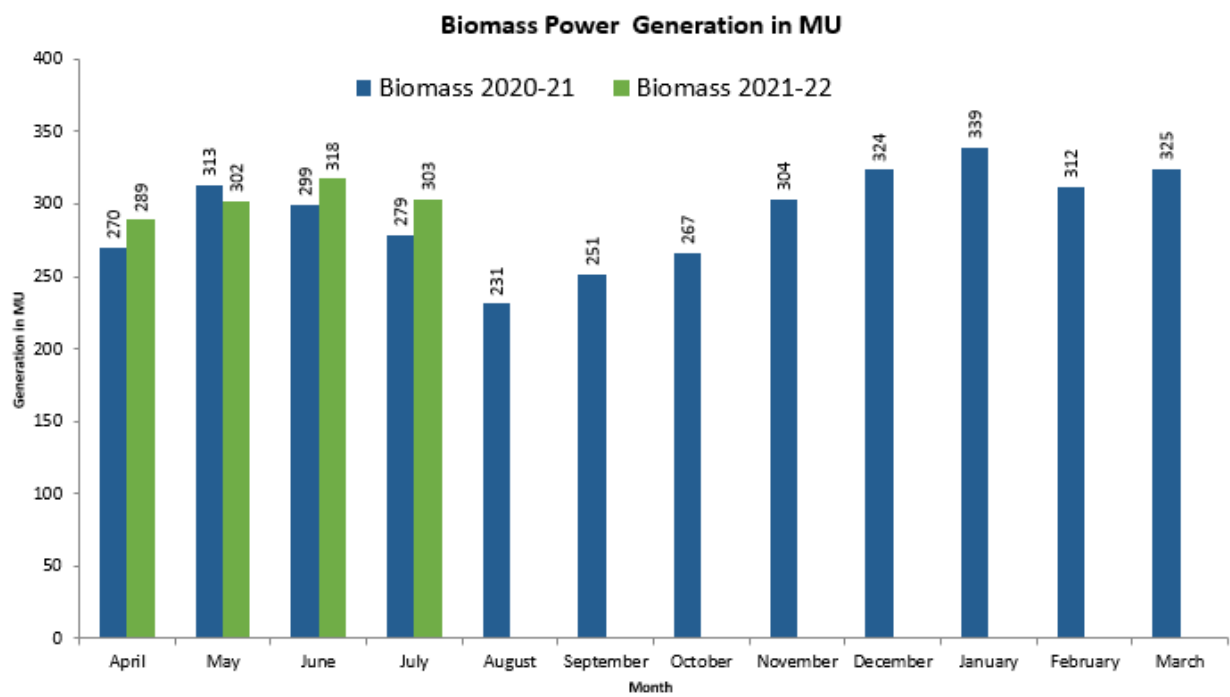


Figure 15 Monthly Biomass Power Generation (2021-22 Up to July -21)

Table 6 State Wise Bagasse Power Generation

Bagasse Energy Generation (State Wise) for the month of July 2021				
State	July'2020	July' 2021	April'2020- July '2020	April'2021- July 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	2.92	0.00	42.70	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	6.16	2.12	27.35	35.24
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	51.94	5.65	888.90	569.76
Uttarakhand	0.00	20.26	29.23	81.04
Northern Region	61.02	28.03	988.18	700.79
Chhattisgarh	0.00	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	9.80	15.06	352.01	551.43
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	9.80	15.06	359.48	556.33
Andhra Pradesh	2.13	1.26	9.92	17.19
Telangana	0.00	0.00	0.00	0.00
Karnataka	43.09	614.12	175.84	699.89
Kerala	4.15	4.23	14.15	15.85
Tamil Nadu	43.99	29.09	148.93	141.55
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	93.35	648.70	348.84	874.48
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	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	0.00	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	164.17	691.79	1846.71	2131.60

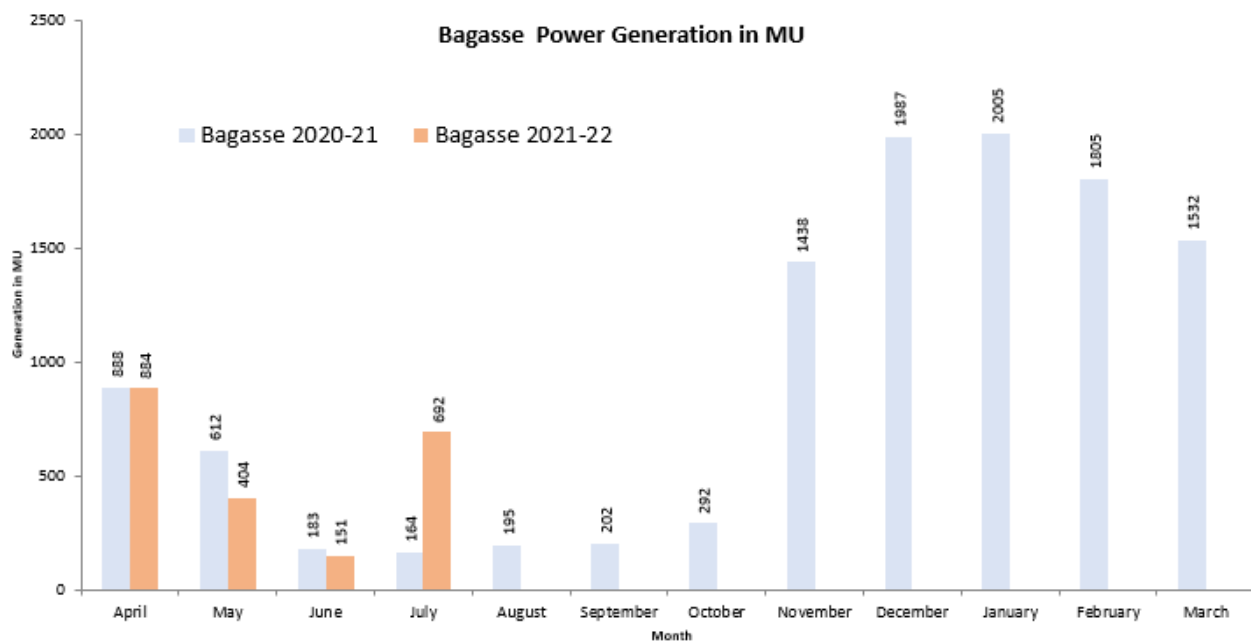


Figure 16 Monthly Bagasse Power Generation (2021-22 Up to July -21)

Table 7 State Wise Small Hydro Generation

Small Hydro Energy Generation (State Wise) for the month of July 2021					
State	July'2020	July' 2021	April'2020- '2020	July April'2021- 2021	July
Chandigarh	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00	0.00
Haryana	29.47	23.73	119.78	75.83	
Himachal Pradesh	272.20	282.37	1055.26	582.02	
J & K	54.60	52.90	221.91	203.10	
Ladakh	0.00	0.00	0.00	0.00	
Punjab	84.79	178.35	269.13	381.45	
Rajasthan	0.10	0.09	0.54	0.12	
Uttar Pradesh	6.07	11.31	26.45	28.86	
Uttarakhand	84.21	26.78	313.74	107.12	
Northern Region	531.44	575.53	2006.81	1378.48	
Chhattisgarh	26.85	26.80	53.34	42.97	
Gujarat	14.92	15.02	51.96	44.37	
Madhya Pradesh	21.73	13.51	60.19	46.55	
Maharashtra	38.82	64.78	245.71	266.23	
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	102.31	120.11	411.20	400.11	
Andhra Pradesh	12.18	17.04	55.24	66.27	
Telangana	5.70	5.51	11.18	11.19	
Karnataka	238.62	272.79	421.23	518.20	
Kerala	76.17	105.42	194.21	281.87	
Tamil Nadu	8.63	35.60	23.69	81.58	
Lakshadweep	0.00	0.00	0.00	0.00	
Puducherry	0.00	0.00	0.00	0.00	
Southern Region	341.31	436.36	705.54	959.11	
Andaman Nicobar	0.69	1.47	1.77	3.23	
Bihar	39.64	1.08	43.20	1.08	
Jharkhand	0.51	0.00	0.51	0.27	
Orissa	32.80	46.72	95.39	107.08	
Sikkim	5.41	1.03	17.07	4.12	
West Bengal	7.19	23.15	21.66	48.76	
Eastern Region	86.24	73.45	179.60	164.53	
Arunachal Pradesh	0.04	0.00	0.18	0.05	
Assam	4.08	4.52	9.83	12.97	
Manipur	0.00	0.00	0.00	0.00	
Meghalaya	3.03	2.84	12.12	13.11	
Mizoram	4.26	2.38	11.07	2.41	
Nagaland	6.98	6.89	23.05	10.11	
Tripura	0.00	0.00	1.94	1.44	
North Eastern Region	18.38	16.63	58.20	40.09	
All India Total	1079.69	1222.07	3361.34	2942.33	

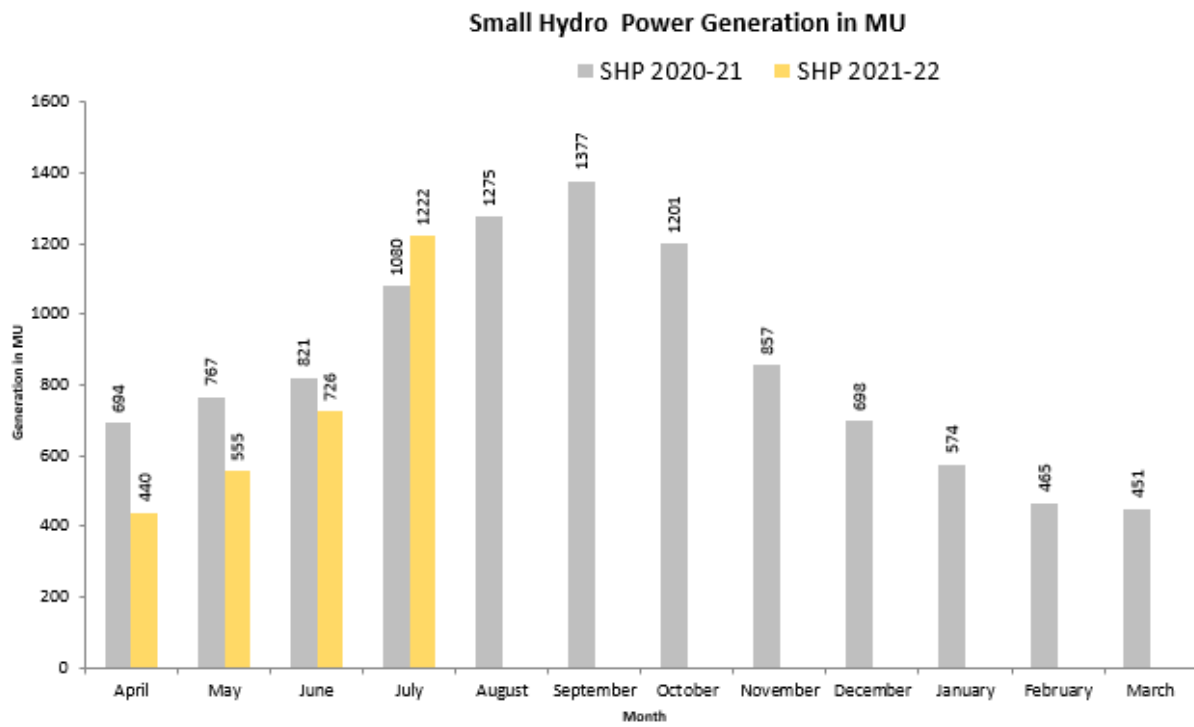


Figure 17 Monthly Small Hydro Power Generation (2021-22 Up to July -21)

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

Other RE sources Energy Generation (State Wise) for the month of July 2021				
State	July'2020	July' 2021	April'2020- July '2020	April'2021- July 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	18.22	16.86	88.62	61.53
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	0.03	0.01	0.21
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	18.22	16.89	88.63	61.74
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	4.62	0.00	10.61	0.00
Madhya Pradesh	3.13	2.77	11.40	11.68
Maharashtra	0.00	0.02	0.04	0.05
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	7.75	2.80	22.04	11.72
Andhra Pradesh	0.54	7.93	1.30	31.00
Telangana	6.93	21.77	28.50	84.32
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	7.46	29.70	29.80	115.32
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	110.80	111.14	196.95	491.89
Eastern Region	110.80	111.14	196.95	491.89
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	144.23	160.53	337.42	680.68

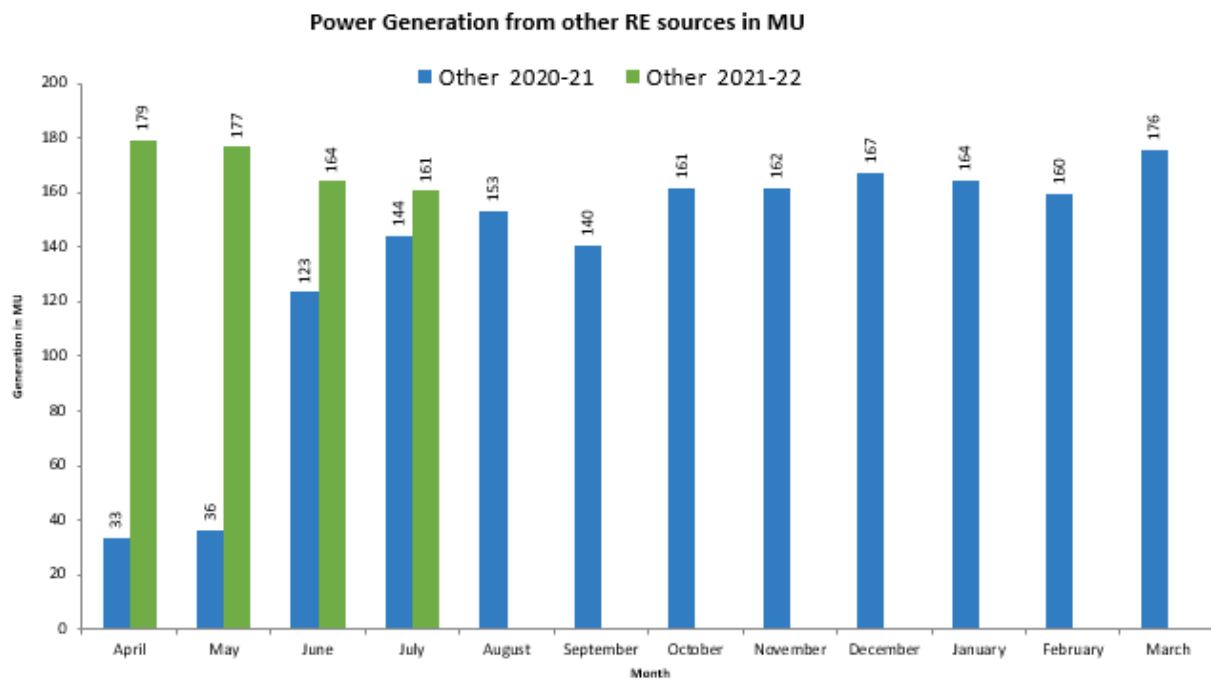


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation (2021-22 Up to July -21)

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for July 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
AURAIYA	Uttar Pradesh	Central	NTPC	Solar	20	2.78	18.68
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.52	13.98
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.48	13.26
UNCHAHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	0.95	12.77
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	11.06	29.73
MAHINDRA RENEWABLE PRIVATE LIMITED	Rajasthan	Private	IPP	Solar	250	35.93	19.32
MAHOBASOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	41.60	27.96
AZURE FORTY THREE PVT LTD	Rajasthan	Private	IPP	Solar	300	68.36	30.63
ACME CHITTORGARH ENERGY PVT LTD.	Rajasthan	Private	IPP	Solar	250	49.92	26.84
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	36.40	24.46
AZURE POWER THIRTY FOUR PRIVATE LTD	Rajasthan	Private	IPP	Solar	130	27.79	28.73
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Rajasthan	Private	IPP	Solar	50	11.26	30.27
CLEAN SOLAR POWER (BHADLA) PVT LTD	Rajasthan	Private	IPP	Solar	300	60.14	26.94
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	11.00	29.57
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	49.93	26.84
SBENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	41.77	28.07
SBENERGY SIX PVT LTD	Rajasthan	Private	IPP	Solar	300	55.18	25.55
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	36.17	32.41
Northern Region					2730	542.24	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	37.98	20.42
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	36.55	19.65
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	36.88	19.83
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	400	91.95	30.90
ALFANAR WIND	Gujarat	Private	IPP	Wind	300	107.27	48.06

Monthly RE generation from Inter State Generating Station (ISGS) for July 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	100.6	54.09
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	102.22	45.80
ADANI GREEN ENERGY MP LTD(DAYAPAR)	Gujarat	Private	IPP	Wind	425	178.24	56.37
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	250	81.48	43.81
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	98.02	52.70
RENEW WIND ENERGY AP2	Gujarat	Private	IPP	Wind	300	125.58	56.26
Western Region					2925	996.77	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	109.36	58.80
ORANGE	Tamil Nadu	Private	IPP	Wind	200	87.36	58.71
MYTRA	Tamil Nadu	Private	IPP	Wind	250	83.61	44.95
BETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	250	90.07	48.42
SPRNG RENEWABLE ENERFY PVT LTD(PUGALUR)	Tamil Nadu	Private	IPP	Wind	240	102.72	57.53
Southern Region					1190	473.12	
Total					6845	2012.13	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise) for July 2021						
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)	Monthly CUF (%)
				July 2021	April 2021 to July 2021	
NTPC						
NTPC Faridabad_Solar	Haryana	5	Solar	0.55	2.42	14.78
NTPC Bhadla	Rajasthan	260	Solar	37.75	154.92	19.52
NTPC Dadri_Solar	Uttar Pradesh	5	Solar	0.52	2.43	13.98
NTPC Unchahar_Solar	Uttar Pradesh	10	Solar	0.95	4.39	12.77
NTPC Singrauli_Solar	Uttar Pradesh	15	Solar	1.48	6.85	13.26
NTPC Auraiya	Uttar Pradesh	20	Solar	2.82	12.04	18.95
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	2.72	12.69	45.70
NTPC Rojmal	Gujarat	50	Wind	15.68	39.80	42.15
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	4.93	26.02	13.25
NTPC Mandsaur	Madhya Pradesh	250	Solar	26.93	135.09	14.48
NTPC Anantapuram	Andhra Pradesh	250	Solar	28.72	133.57	15.44
NTPC Ramagundam	Telangana	10	Solar	0.77	4.23	10.35
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.40	1.68	10.75
NTPC Talchar_Solar	Orissa	10	Solar	0.96	4.57	12.90
NTPC Solar_Bilhaur *	Uttar Pradesh	225	Solar	34.88	160.23	20.84
Simhadri Floating Project	Andhra Pradesh	10		0.81	0.81	10.89
Total NTPC		1183		160.87	701.74	18.28
THDC						
THDC Patan Wind Power Project	Gujarat	50	Wind	13.04	38.18	35.05
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	24.60	65.12	52.48
THDC Solar Kasaragod	Kerala	50	Solar	5.20	23.75	13.98
THDCIL's premises at Rishikesh	Uttarakhand	0.5	Solar	0.03	0.12	7.26
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	5.23	11.39	29.27
Total THDC		187.5		48.09	138.56	
NHPC						
NHPC Wind Power Project	Rajasthan	50	Wind	11.40	38.13	30.64
NHPC Solar Power Project	Tamilnadu	50	Solar	7.22	31.44	19.41
Total NHPC		100		18.62	69.57	
ONGC						
ONGC Wind, Bhuj	Gujarat	51.00	Wind	19.30	47.76	50.86
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	24.31	76.05	32.03

Renewable Energy Generation Data (CPSU Wise) for July 2021

ONGC Solar, Goa	Goa	1.00	Solar	0.08	0.43	10.53
ONGC Solar, Hazira	Gujarat	10.00	Solar	1.00	5.08	13.45
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.65	2.42	17.56
ONGC Solar, Rajahmundry	Andhra Pradesh	1.00	Solar	0.07	0.39	9.57
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.11	0.41	13.45
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.01	0.54	0.29
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.42	1.89	13.30
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.14	0.56	11.04
ONGC Solar, Uttarakhand (RTS)	Uttarakhand	1.24	Solar	0.12	0.53	13.50
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.09	12.00
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.24
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.03	16.09
ONGC Solar, DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00
Total ONGC		184.05		46.24	136.19	
SJVN Limited						
Khirvire Wind Power	Maharashtra	47.6	Wind	10.53	25.31	29.74
Sadla Wind Power	Gujarat	50	Solar	16.77	45.83	45.08
Charanka Solar Power	Gujarat	5.6	Solar	0.56	2.84	13.39
Total SJVN		103.2		27.86	73.98	
Oil India Ltd						
Oil India Ltd	Rajasthan	14	Solar	2.13	8.29	20.49
Oil India Ltd	Rajasthan	67.6	Wind	12.43	37.77	24.71
Oil India Ltd	Gujarat	43.3	Wind	13.45	35.22	41.75
Oil India Ltd	Madhya Pradesh	63.2	Wind	16.85	56.19	
Total Oil India Ltd		188.1		38.00	92.62	
NEEPCO						
NEEPCO	Tripura	5	Solar	0.35	1.97	9.32
DVC						
DVC	West Bengal	0.078	Solar	0.01	0.04	14.99
DVC	Jharkhand	4	Small Hydro	2.70	4.16	48.00
DVC Total		4.078		2.70	4.20	
All India Total		1954.93		349.59	1263.68	

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.

(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 July -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/mpsldc/RE_DATA

Table 12 Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of July 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
AURAIYA SOLAR	Solar	3.05	2.78	-0.27
ACME CHITTORGARH ENERGY PVT LTD	Solar	45.99	49.92	3.93
AZURE FORTY THREE PVT LTD	Solar	65.71	68.36	2.65
AZURE SOLAR	Solar	34.36	36.40	2.04
AZURE SOLAR THIRTY FOUR	Solar	26.95	27.79	0.84
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Solar	11.78	11.26	-0.52
CLEAN SOLAR POWER(BHADLA) PVT LTD.	Solar	10.76	11.06	0.30
DADRI SOLAR	Solar	46.61	41.60	-5.01
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Solar	61.94	60.14	-1.80
MAHINDRA RENEWABLE PRIVATE LIMITED	Solar	0.60	0.52	-0.08
MAHOBHA SOLAR	Solar	35.28	35.93	0.65
RENEW SOLAR	Solar	10.60	11.00	0.40
RENEW SOLAR POWER LTD PVT BIKANER	Solar	48.46	49.93	1.47
SB ENERGY	Solar	42.76	41.77	-0.99
SB ENERGY SIX PVT LTD	Solar	64.56	55.18	-9.38
SINGRAULI SOLAR	Solar	1.54	1.41	-0.13
TATA POWER RENEWABLE	Solar	38.51	36.17	-2.34
UNCHAHAH SOLAR	Solar	1.04	0.93	-0.11
Western Region				
ACME SOLAR (RAMNAGAR)	Solar	36.29	37.98	1.69
ADANI GREEN ENERGY MP LTD	Wind	177.98	178.24	0.26
ALFANAR WIND	Wind	109.37	107.27	-2.10
ARINSUN SOLAR (BARSAITADESH)	Solar	36.47	36.55	0.08
GREEN INFRA WIND ENERGY LIMITED SECI 2	Wind	103.40	100.60	-2.80
GREEN INFRA WIND ENERGY LIMITED SECI 3	Wind	105.38	102.22	-3.16
INOX WIND	Wind	84.71	81.48	-3.23
MAHINDRA SOLAR (BADWAR)	Solar	36.48	36.47	-0.01
OSTRO -KUTCH	Wind	99.04	98.02	-1.02
RENEW WIND ENERGY AP2	Wind	123.53	125.58	2.05
RENEW POWER	Solar	90.33	91.95	1.62
Southern Region				
BEETAM	Wind	89.74	90.07	0.33
GIREL	Wind	109.31	109.36	0.05
MYTRAH	Wind	88.68	83.61	-5.07
ORANGE	Wind	86.18	87.36	1.18
SPRNG RENEWABLE ENERFY PVT LTD(PUGALUR)	Wind	102.24	102.72	0.48

+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 July 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	0.24	0.24	100.00
Delhi	0.00	401.70	0.00	0.00	36.90	438.60	8.41
Haryana	1734.84	0.00	0.00	0.00	67.80	1802.64	3.76
HP	0.00	0.00	0.00	6163.14	286.25	6449.39	100.00
J & K	0.00	0.00	0.00	2322.18	52.90	2375.08	100.00
Ladakh	0.00	0.00	0.00	63.45	0.00	63.45	100.00
Punjab	2427.33	0.00	0.00	471.27	352.23	3250.83	25.33
Rajasthan	4125.43	139.75	706.88	0.82	2158.57	7131.45	40.19
Uttar Pradesh	11659.32	177.53	297.61	101.87	242.48	12478.81	5.14
Uttarakhand	0.00	178.25	0.00	1792.31	71.67	2042.23	91.27
Northern Region	19946.92	897.23	1004.49	10915.04	3269.04	36032.72	42.15
Chhattisgarh	11878.24	0.00	0.00	29.34	160.69	12068.27	1.57
Gujarat	4566.15	826.51	322.58	85.77	3256.06	9057.07	40.46
Madhya Pradesh	10269.80	0.00	0.00	294.95	931.13	11495.88	10.67
Maharashtra	8696.41	559.97	812.63	396.18	1628.16	12093.35	23.46
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	3.71	3.71	100.00
Goa	0.00	0.00	0.00	0.00	0.08	0.08	100.00
Western Region	35410.60	1386.48	1135.21	806.24	5984.60	44723.13	17.72
Andhra Pradesh	4893.60	212.10	0.00	199.28	1691.61	6996.59	27.03
Telangana	4068.79	0.00	0.00	590.30	517.05	5176.14	21.39
Karnataka	1808.62	0.00	579.24	1122.99	3529.72	7040.57	74.31
Kerala	0.00	0.00	0.00	914.24	162.22	1076.46	100.00
Tamil Nadu	5120.29	129.16	894.23	524.03	3535.60	10203.31	48.55
Lakshadweep	0.00	0.00	0.00	0.00	0.02	0.02	100.00
Puducherry	0.00	20.94	0.00	0.00	1.02	21.96	4.64
Southern Region	15891.30	362.20	1473.47	3350.84	9437.23	30515.04	46.74
Andaman Nicobar	7.66	0.00	0.00	0.00	2.62	10.28	25.47
Bihar	3353.43	0.00	0.00	0.00	13.29	3366.72	0.39
Jharkhand	2418.19	0.00	0.00	82.28	1.38	2501.85	3.34
Orissa	4986.01	0.00	0.00	548.46	94.48	5628.95	11.42
Sikkim	0.00	0.00	0.00	1729.48	1.03	1730.51	100.00
West Bengal	6685.24	0.00	0.00	396.48	141.96	7223.68	7.45
Eastern Region	17450.53	0.00	0.00	2756.70	254.76	20461.99	14.72
Arunachal Pradesh	0.00	0.00	0.00	643.10	0.16	643.26	100.00
Assam	352.93	237.28	0.00	91.08	9.86	691.15	14.60
Manipur	0.00	0.00	0.00	40.82	0.48	41.30	100.00
Meghalaya	0.00	0.00	0.00	118.85	2.84	121.69	100.00
Mizoram	0.00	0.00	0.00	5.11	2.56	7.67	100.00
Nagaland	0.00	0.00	0.00	17.50	6.89	24.39	100.00

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

State/UT	Fossil		Non Fossil			Non Fossil	
Tripura	0.00	491.20	0.00	0.00	0.37	491.57	0.08
North Eastern Region	352.93	728.48	0.00	916.46	23.14	2021.01	46.49
All India Total	89052.28	3374.39	3613.17	18745.28	18968.78	133753.90	30.90

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 July 2021							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	0.24	0.24	100.00
Delhi	0.00	401.70	0.00	0.00	36.90	438.60	8.41
Haryana	1734.84	0.00	0.00	0.00	67.80	1802.64	3.76
HP	0.00	0.00	0.00	6163.14	286.25	6449.39	4.44
J & K	0.00	0.00	0.00	2322.18	52.90	2375.08	2.23
Ladakh	0.00	0.00	0.00	63.45	0.00	63.45	0.00
Punjab	2427.33	0.00	0.00	471.27	352.23	3250.83	10.84
Rajasthan	4125.43	139.75	706.88	0.82	2158.57	7131.45	30.27
Uttar Pradesh	11659.32	177.53	297.61	101.87	242.48	12478.81	1.94
Uttarakhand	0.00	178.25	0.00	1792.31	71.67	2042.23	3.51
Northern Region	19946.92	897.23	1004.49	10915.04	3269.04	36032.72	9.07
Chhattisgarh	11878.24	0.00	0.00	29.34	160.69	12068.27	1.33
Gujarat	4566.15	826.51	322.58	85.77	3256.06	9057.07	35.95
Madhya Pradesh	10269.80	0.00	0.00	294.95	931.13	11495.88	8.10
Maharashtra	8696.41	559.97	812.63	396.18	1628.16	12093.35	13.46
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	3.71	3.71	100.00
Goa	0.00	0.00	0.00	0.00	0.08	0.08	100.00
Western Region	35410.60	1386.48	1135.21	806.24	5984.60	44723.13	13.38
Andhra Pradesh	4893.60	212.10	0.00	199.28	1691.61	6996.59	24.18
Telangana	4068.79	0.00	0.00	590.30	517.05	5176.14	9.99
Karnataka	1808.62	0.00	579.24	1122.99	3529.72	7040.57	50.13
Kerala	0.00	0.00	0.00	914.24	162.22	1076.46	15.07
Tamil Nadu	5120.29	129.16	894.23	524.03	3535.60	10203.31	34.65
Lakshadweep	0.00	0.00	0.00	0.00	0.02	0.02	100.00
Puducherry	0.00	20.94	0.00	0.00	1.02	21.96	4.64
Southern Region	15891.30	362.20	1473.47	3350.84	9437.23	30515.04	30.93
Andaman Nicobar	7.66	0.00	0.00	0.00	2.62	10.28	25.47
Bihar	3353.43	0.00	0.00	0.00	13.29	3366.72	0.39
Jharkhand	2418.19	0.00	0.00	82.28	1.38	2501.85	0.06
Orissa	4986.01	0.00	0.00	548.46	94.48	5628.95	1.68
Sikkim	0.00	0.00	0.00	1729.48	1.03	1730.51	0.06
West Bengal	6685.24	0.00	0.00	396.48	141.96	7223.68	1.97
Eastern Region	17450.53	0.00	0.00	2756.70	254.76	20461.99	1.25
Arunachal Pradesh	0.00	0.00	0.00	643.10	0.16	643.26	0.02
Assam	352.93	237.28	0.00	91.08	9.86	691.15	1.43
Manipur	0.00	0.00	0.00	40.82	0.48	41.30	1.15
Meghalaya	0.00	0.00	0.00	118.85	2.84	121.69	2.33
Mizoram	0.00	0.00	0.00	5.11	2.56	7.67	33.37
Nagaland	0.00	0.00	0.00	17.50	6.89	24.39	28.24
Tripura	0.00	491.20	0.00	0.00	0.37	491.57	0.08

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
North Eastern Region	352.93	728.48	0.00	916.46	23.14	2021.01	1.15
All India Total	89052.28	3374.39	3613.17	18745.28	18968.78	133753.90	14.18

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
July ,2021	17.00	9.34	8.36	34.70
All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

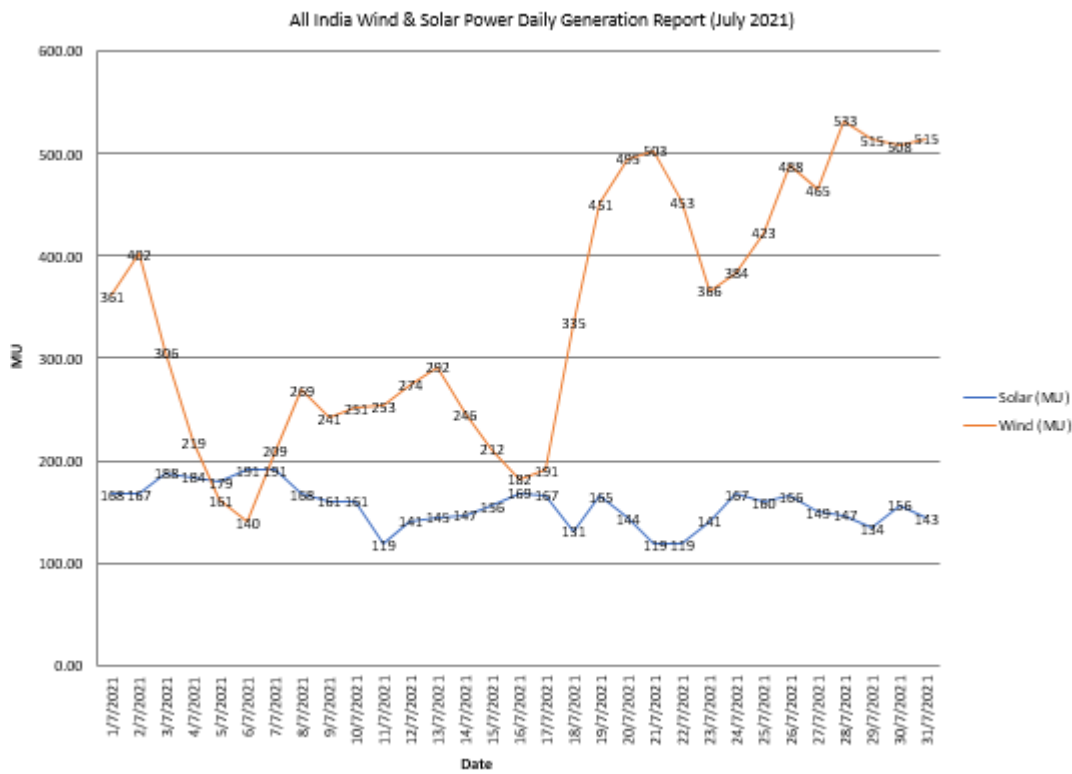


Figure 19 Daily Solar and wind Power Generation trend in the month of July-21



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For any query, please contact at:

011-26732223

cerpmcea@gmail.com