



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



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Renewable Energy Project Monitoring Division

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SUMMARY OF REPORT FOR THE MONTH OF DECEMBER 2021

Increased by 14.30 % as compared to November 21.

Increased by 08.64 % as compared to December 20.

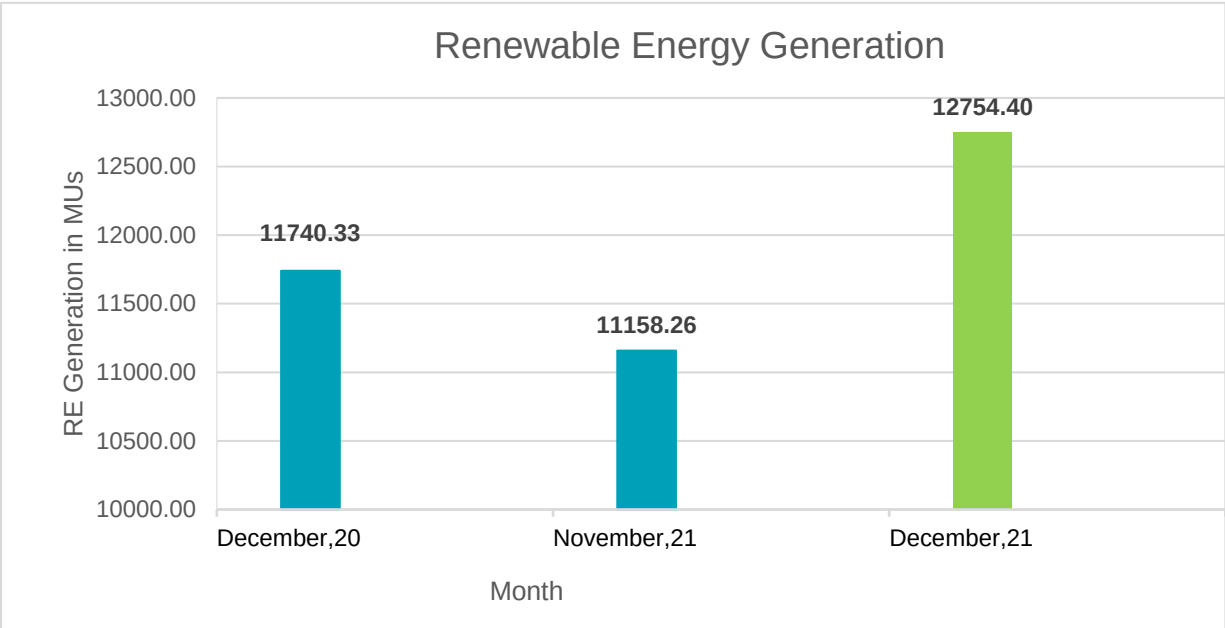


Figure 1: Renewable Energy Generation

Decreased by 13 .20 % as compared to November 21.

Increased by 12.26% as compared to December 20.

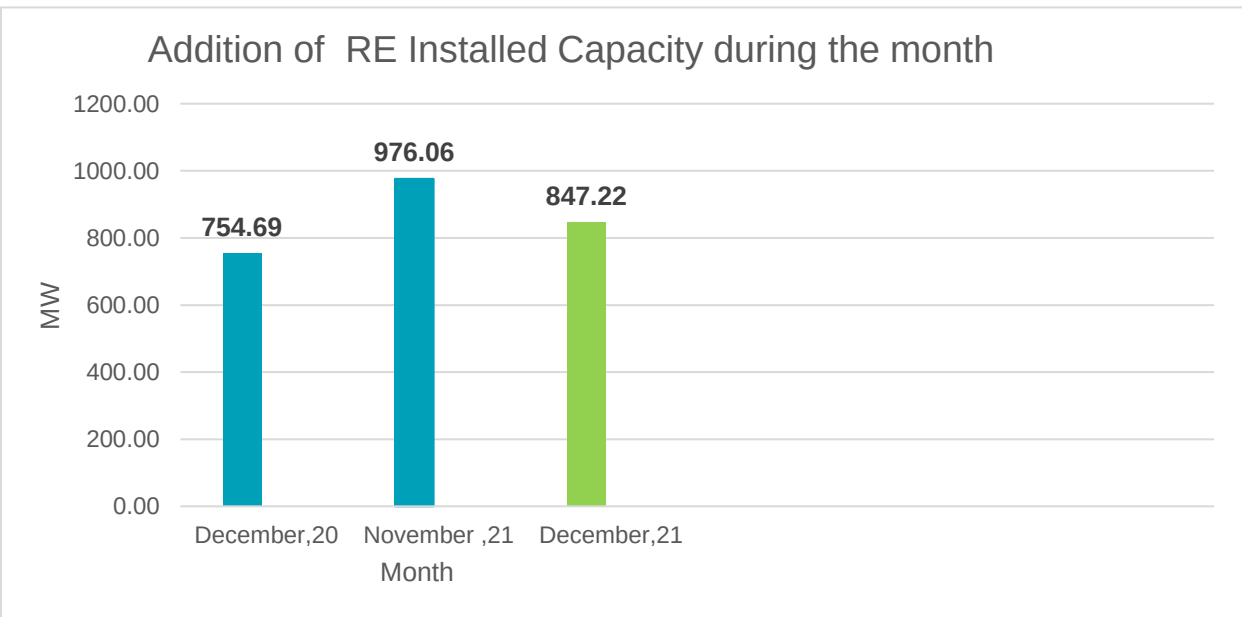


Figure 2 RE capacity added during the Month

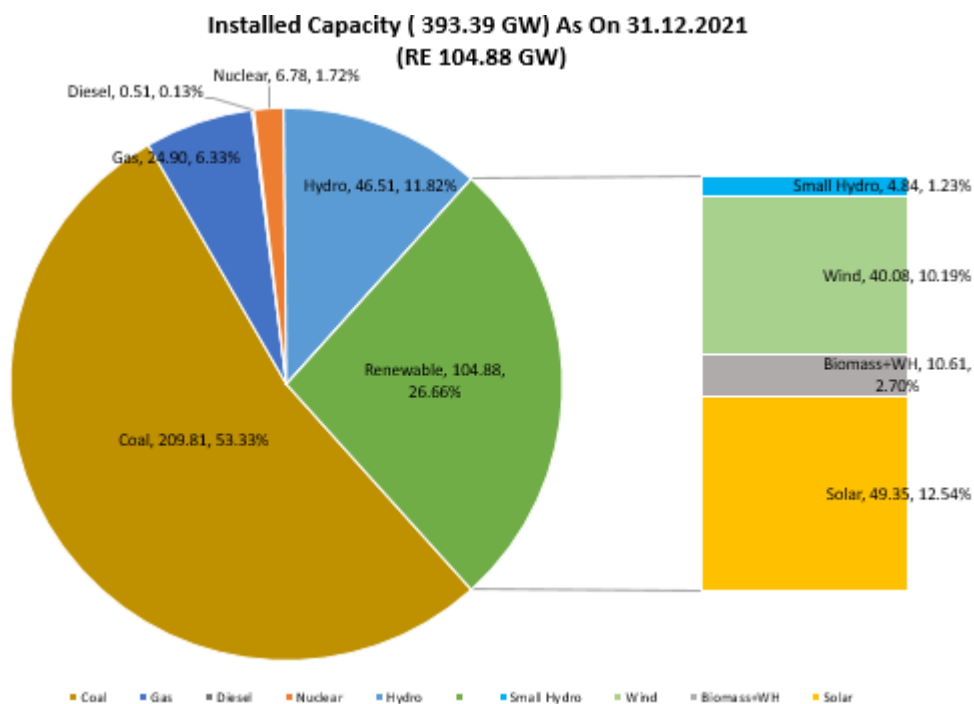


Figure 3; Installed Capacity in India as on 31.12.2021

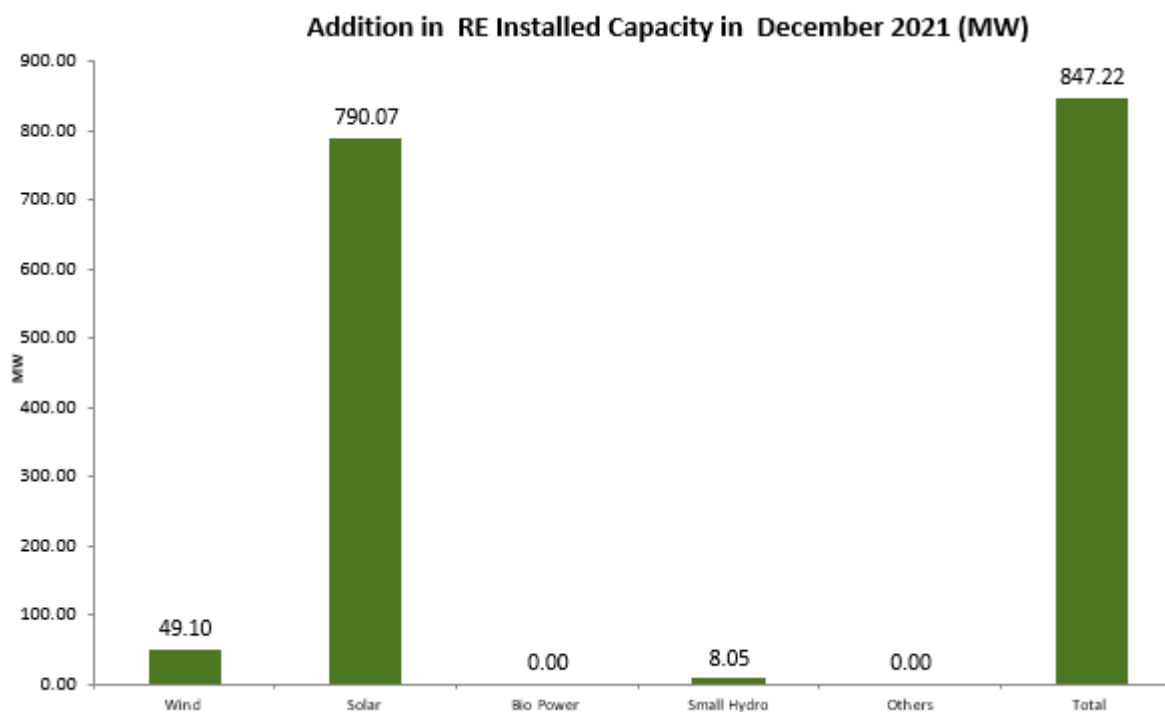


Figure 4: Source wise addition in RE Installed Capacity in December 21

HIGHLIGHTS OF RE GENERATION DURING DECEMBER 2021

1. RE generation increased by 08.64% in December 2021 as compared to December 2020.
2. Wind Power generation during the month of December 2021 increased in Gujarat, Madhya Pradesh, and Tamil Nadu and decreased in Rajasthan, Maharashtra, Andhra Pradesh and Karnataka, as compared to v 2020.
3. Daily wind generation decreased by 6.26% as compared to December 2020 and increased by 05.62 % as compared to December 2021.
4. Solar Power generation during the month of December 2021 increased in Punjab, Uttar Pradesh, Rajasthan, Gujarat, Andhra Pradesh, Karnataka ,Kerala, Tamil Nadu, and decreased in Madhya Pradesh and Telangana , as compared to December 2020.
5. Daily solar generation increased by 23.36 % as compared to December 2020 and increased by 13.04% as compared to December 2021.

ALL INDIA SUMMARY OF RENEWABLE ENERGY GENERATION

Source	Installed Capacity (MW) (As on 31.12.2021)	RE Generation (MU) December '2021	RE Generation (MU) December '2020	% of same period Last Year	RE Generation (MU) April'2021- December '2021	RE Generation (MU) April'2020- December '2020	% of same period Last Year
Wind	40033.6	3577.01	3815.71	93.74	58127.26	50182.97	115.83
Solar	48556.64	5858.03	4748.55	123.36	51250.34	43346.79	118.23
Biomass	10175.61	296.19	323.65	91.52	2546.24	2537.65	100.34
Bagasse		2183.59	1986.96	109.90	6467.72	5960.38	108.51
Small Hydro	4831.35	630.04	698.28	90.23	8727.98	8768.55	99.54
Others	434.11	209.53	167.19	125.33	1661.14	1121.39	148.13
Total	104031.31	12754.40	11740.33	108.64	128780.68	111917.72	115.07

Table 1 All India Summary of Renewable Energy Generation

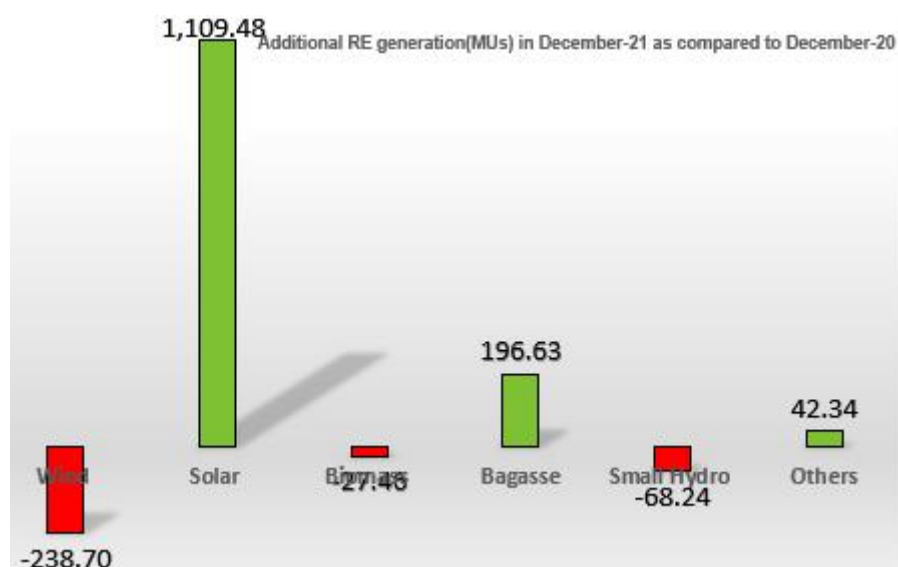


Figure 5 Additional RE Generation in December 21 compared to December 20

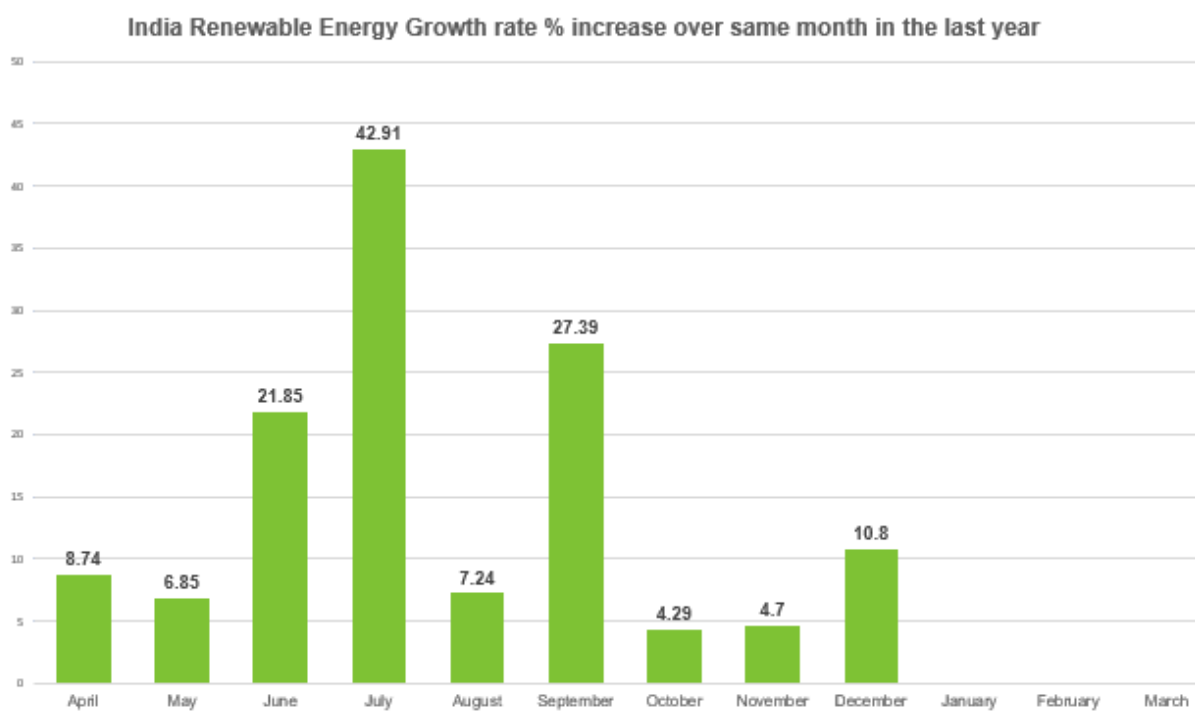


Figure 6: Month Wise Growth of RE Generation in 2021-22 w.r.t to 2020-21

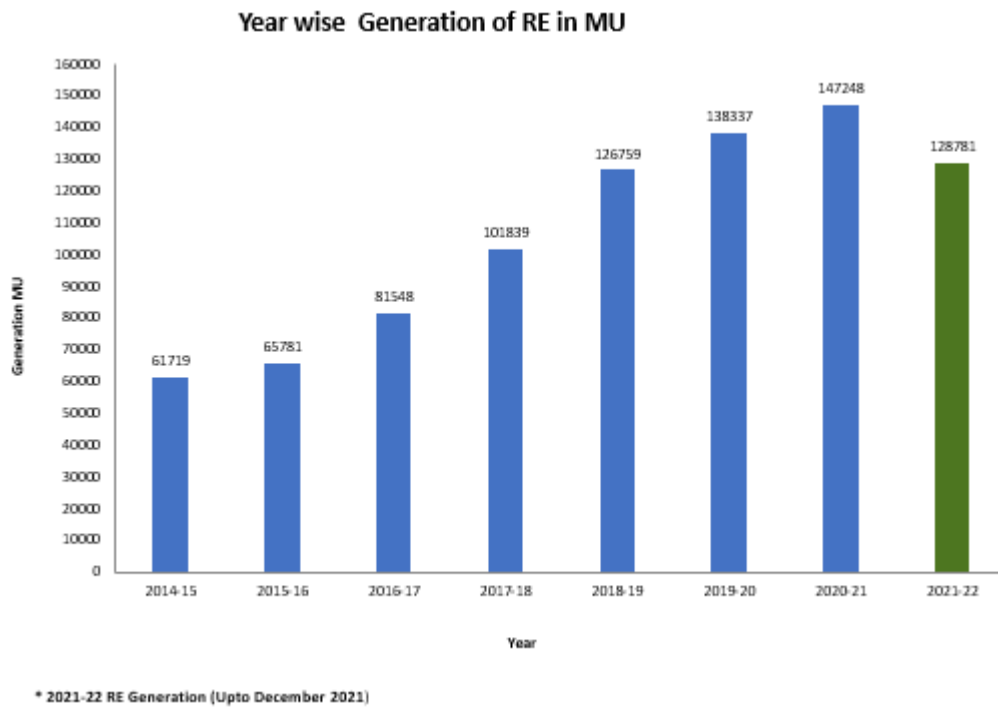


Figure 7 Year Wise RE Generation

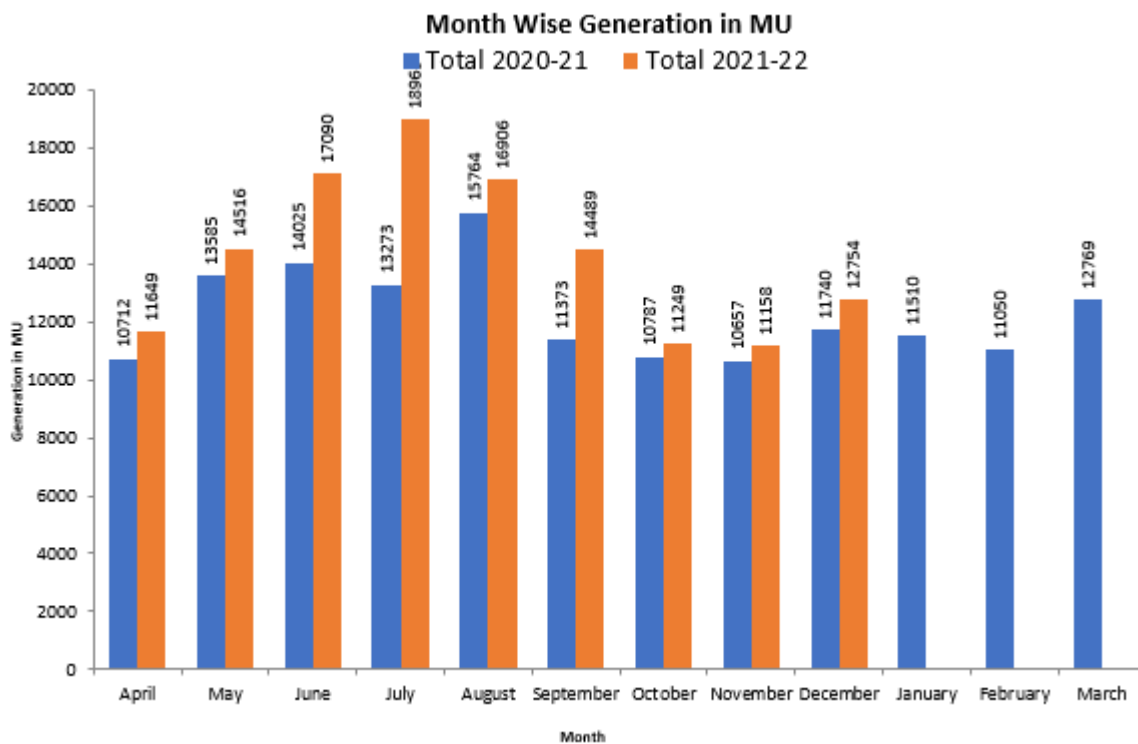


Figure 8 comparison of Month Wise RE Generation in year 2021-22 & in year 2020-21

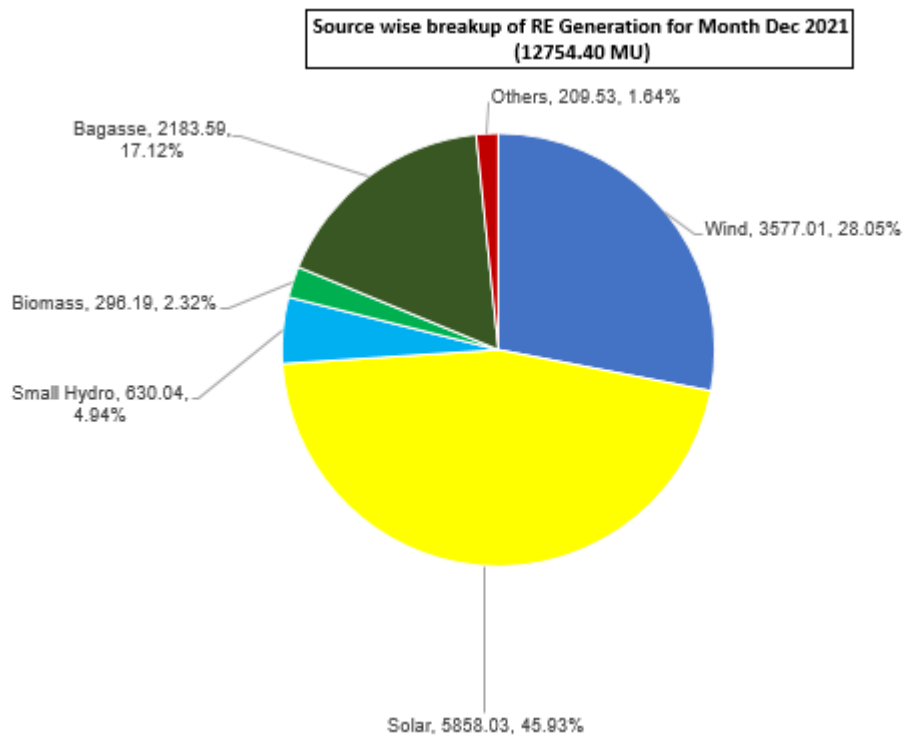


Figure 9 Source wise breakup of RE Generation in the month of December -21

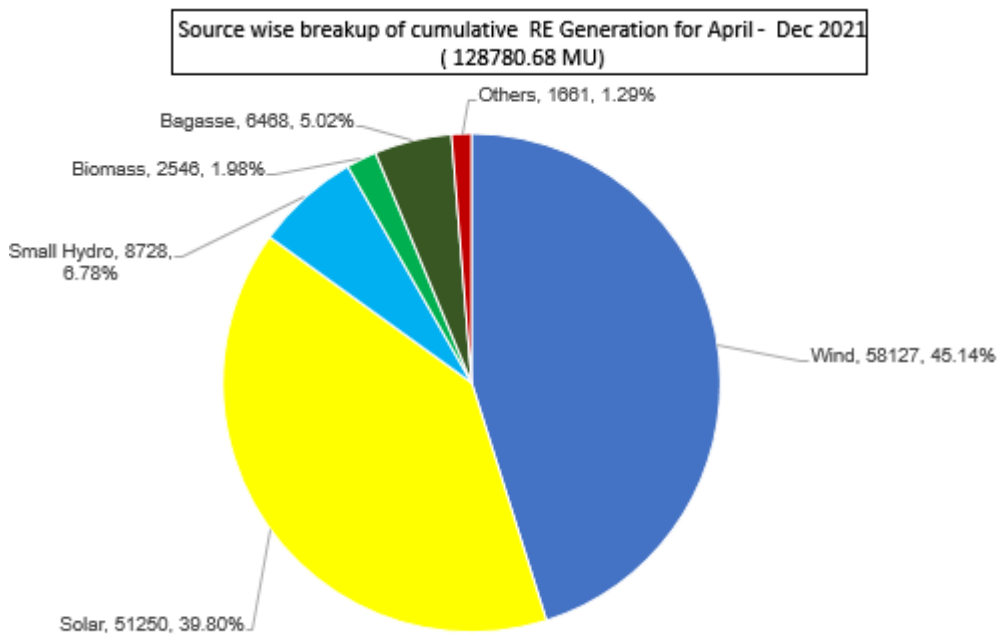


Figure 10 Source wise breakup of Cumulative RE Generation (April-21 – December -21)

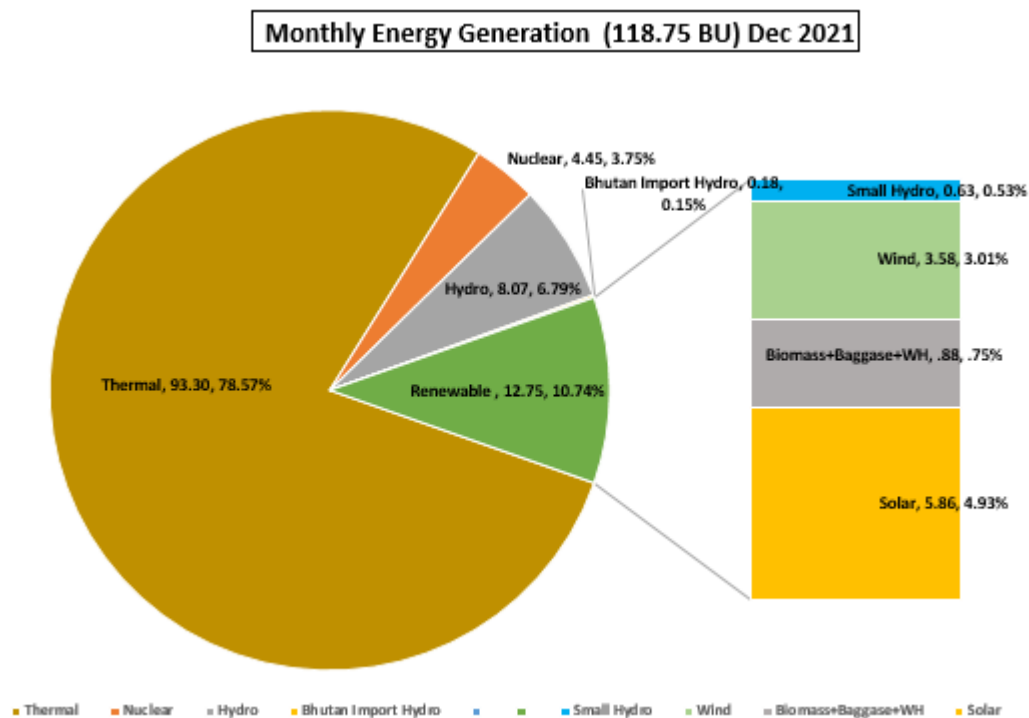


Figure 11 Total Energy Generation in India and Share of RE in the month of December -21

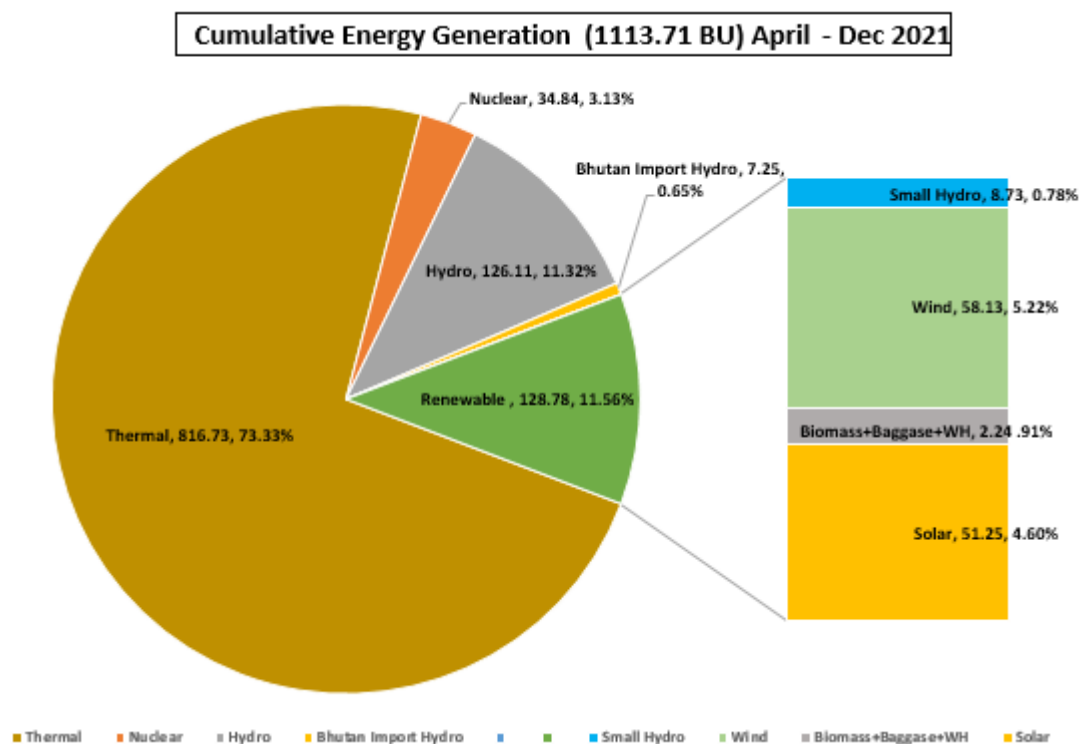


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-21 – December - 21)

Table 2 State Wise Renewable Energy Generation

Name of State/UT	RE Generation(MU) December'2021	RE Generation(MU) December'2020	RE Generation(MU) April'2021- December'2021	RE Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	1.68	0.29	11.22	6.57
Delhi	39.11	26.72	343.70	329.90
Haryana	110.14	73.44	767.42	529.75
Himachal Pradesh	52.14	57.40	1787.99	1981.56
J & K	11.95	18.13	340.05	373.28
Ladakh	0.00	0.00	0.00	0.00
Punjab	262.72	242.22	2553.41	2177.96
Rajasthan	1627.69	1281.19	16704.26	12652.29
Uttar Pradesh	885.05	746.61	3859.28	3388.06
Uttarakhand	71.67	109.85	645.03	1027.35
Northern Region Total	3062.14	2555.86	27012.35	22466.72
Western Region				
Chhattisgarh	161.62	143.48	1425.35	1131.96
Gujarat	2075.84	1535.21	19039.87	13526.60
Madhya Pradesh	621.05	590.85	6630.00	6465.47
Maharashtra	1314.53	1398.24	11396.16	9971.78
Dadra and Nagar Haveli	3.84	0.38	34.10	3.99
Daman & Diu	5.34	3.80	35.20	26.55
Goa	1.35	0.14	2.20	1.06
Western Region Total	4183.57	3672.09	38562.88	31127.42
Southern Region				
Andhra Pradesh	1007.90	1016.13	12184.33	10626.31
Telangana	617.16	652.79	5266.18	5004.51
Karnataka	2295.04	2530.05	21771.42	21316.37
Kerala	116.80	84.54	1244.24	892.87
Tamil Nadu	1183.19	970.70	20106.42	18238.43
Lakshadweep	0.01	0.03	0.26	0.36
Puducherry	1.02	0.37	9.18	3.33
Southern Region Total	5221.11	5254.61	60582.04	56082.18

Name of State/UT	RE Generation(MU) December'2021	RE Generation(MU) December'2020	RE Generation(MU) April'2021- December'2021	RE Generation(MU) April'2020- December'2020
Eastern Region				
Andaman Nicobar	3.34	2.95	26.53	30.63
Bihar	24.08	13.69	147.93	185.54
Jharkhand	3.96	3.95	18.48	20.56
Orissa	73.38	61.75	830.31	668.33
Sikkim	1.03	5.41	9.27	44.12
West Bengal	158.92	148.23	1387.63	1113.55
Eastern Region Total	264.71	235.98	2420.15	2062.73
North Eastern Region				
Arunachal Pradesh	0.17	0.17	1.54	1.53
Assam	10.61	5.23	85.06	31.85
Manipur	0.52	0.97	4.93	5.86
Meghalaya	4.06	6.51	33.69	41.26
Mizoram	3.23	0.60	18.80	30.76
Nagaland	3.70	6.18	53.33	57.89
Tripura	0.57	2.15	5.91	9.52
North Eastern Region Total	22.87	21.80	203.27	178.67
All India Total	12754.40	11740.33	128780.68	111917.72

Table 3 State Wise Wind Power Generation

Name of State/UT	Wind Power Generation(MU) December'2021	Wind Power Generation(MU) December'2020	Wind Power Generation(MU) April'2021- December'2021	Wind Power Generation(MU) April'2020- December'2020
Northern Region				
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	299.13	446.23	5439.60	4606.50
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	299.13	446.23	5439.60	4606.50
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1456.49	1100.66	14209.40	10099.92
Madhya Pradesh	281.17	214.60	3559.20	3115.38
Maharashtra	257.16	357.38	6195.18	5560.05
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 Total	1994.82	1672.64	23963.78	18775.35
Southern Region				
Andhra Pradesh	296.49	390.83	6075.00	5389.21
Telangana	18.19	17.67	217.78	174.81
Karnataka	468.37	801.90	8102.33	7949.53
Kerala	7.20	8.03	112.53	110.78
Tamil Nadu	492.82	478.42	14216.25	13175.79
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	1283.07	1696.85	28723.88	26800.12
Eastern Region				

Name of State/UT	Wind Power Generation(MU) December'2021	Wind Power Generation(MU) December'2020	Wind Power Generation(MU) April'2021- December'2021	Wind Power Generation(MU) April'2020- December'2020
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 Total	0.00	0.00	0.00	0.00
North Eastern Region				
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	1.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region Total	0.00	0.00	0.00	1.00
All India Total	3577.01	3815.71	58127.26	50182.97

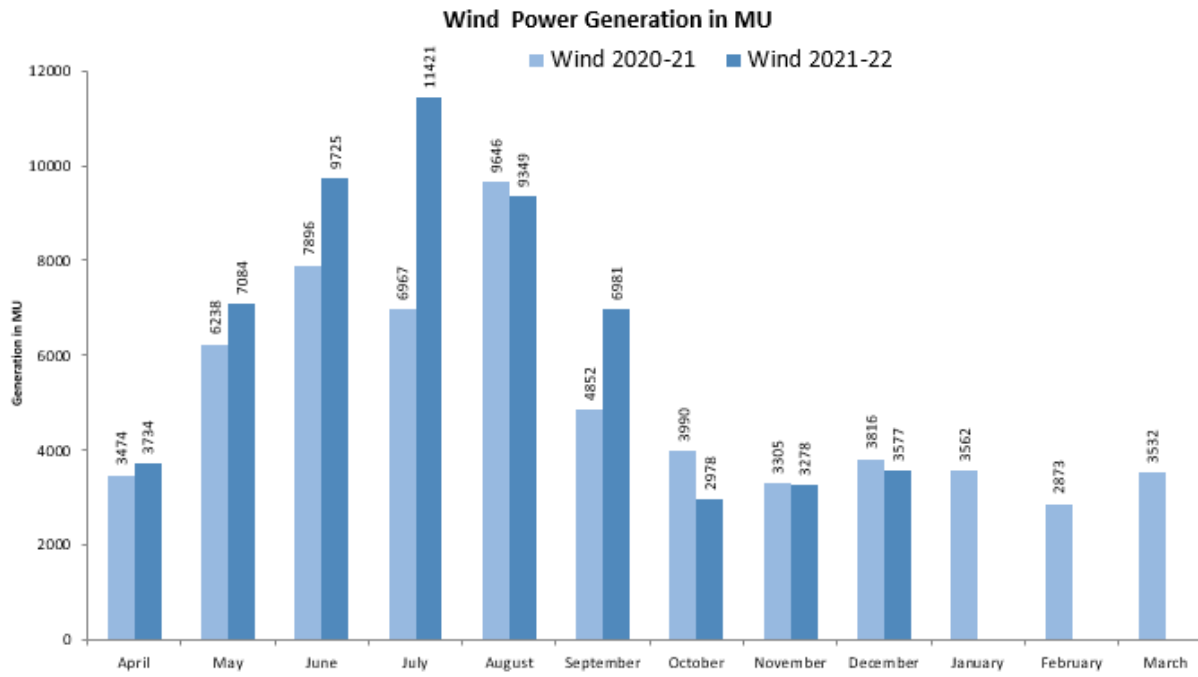


Figure 13 Monthly Wind Power Generation (2021-22 Up to December -21)

Table 4 State Wise Solar Power Generation

Name of State/UT	Solar Power Generation(MU) December'2021	Solar Power Generation(MU) December'2020	Solar Power Generation(MU) April'2021- December'2021	Solar Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	1.68	0.29	11.22	6.57
Delhi	20.04	12.22	165.72	150.88
Haryana	57.37	9.34	392.77	65.71
Himachal Pradesh	4.08	3.06	33.78	27.76
J & K	0.00	1.23	1.71	5.37
Ladakh	0.00	0.00	0.00	0.00
Punjab	108.59	81.52	1140.01	1050.93
Rajasthan	1294.77	797.88	10979.64	7728.53
Uttar Pradesh	202.55	128.05	2083.29	1250.53
Uttarakhand	24.63	25.63	221.67	263.28
Northern Region Total	1713.71	1059.22	15029.81	10549.54
Western Region				
Chhattisgarh	37.22	33.28	307.01	267.81
Gujarat	594.80	408.32	4692.18	3207.52
Madhya Pradesh	293.65	322.23	2848.54	3074.14
Maharashtra	222.97	224.35	2303.14	1849.72
Dadra and Nagar Haveli	3.84	0.38	34.10	3.99
Daman & Diu	4.32	2.58	26.29	19.32
Goa	1.34	0.14	2.19	1.06
Western Region Total	1158.14	991.28	10213.45	8423.56
Southern Region				
Andhra Pradesh	631.85	555.55	5644.64	4835.82
Telangana	538.87	585.99	4679.70	4586.03
Karnataka	1102.02	1060.68	9431.84	9771.25
Kerala	40.30	24.99	344.13	194.24
Tamil Nadu	596.74	403.76	5188.64	4436.47
Lakshadweep	0.01	0.03	0.26	0.36
Puducherry	1.02	0.37	9.18	3.33
Southern Region Total	2910.82	2631.37	25298.39	23827.50
Eastern Region				

Andaman Nicobar	2.14	1.97	15.61	17.99
Bihar	11.92	11.55	118.77	125.98
Jharkhand	1.40	1.36	13.10	12.36
Orissa	44.96	44.27	425.25	326.04
Sikkim	0.00	0.00	0.00	0.00
West Bengal	6.46	5.08	70.57	47.80
Eastern Region Total	66.88	64.23	643.30	530.17
North Eastern Region				
Arunachal Pradesh	0.13	0.12	1.27	1.13
Assam	7.19	0.57	52.84	4.18
Manipur	0.52	0.97	4.93	5.86
Meghalaya	0.00	0.00	0.47	0.00
Mizoram	0.09	0.18	1.42	0.36
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.57	0.61	4.47	4.50
North Eastern Region Total	8.49	2.45	65.40	16.02
All India Total	5858.03	4748.55	51250.34	43346.78

Solar Power Generation in MU

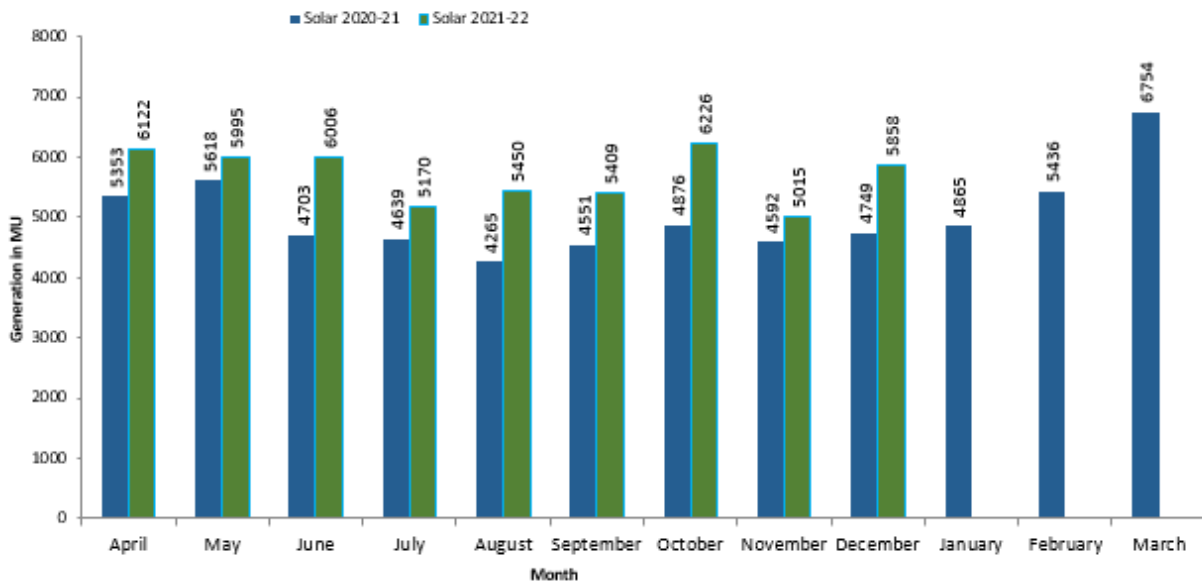


Figure 14 Monthly Solar Power Generation (2021-22 Up to December -21)

Table 5 State Wise Biomass Power Generation

Name of State/UT	Biomass Power Generation(MU) December'2021	Biomass Power Generation(MU) December'2020	Biomass Power Generation(MU) April'2021- December'2021	Biomass Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	11.64	16.08	121.64	132.94
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	58.23	55.52	426.57	436.98
Rajasthan	31.61	35.14	281.94	311.74
Uttar Pradesh	1.91	24.56	55.65	92.45
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	103.38	131.30	885.80	974.11
Western Region				
Chhattisgarh	114.32	100.58	948.71	733.99
Gujarat	0.00	0.00	0.00	43.14
Madhya Pradesh	1.00	0.03	3.62	0.32
Maharashtra	26.19	28.31	236.27	248.56
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	1.02	1.21	8.91	7.24
Goa	0.00	0.00	0.00	0.00
Western Region Total	142.53	130.14	1197.51	1033.24
Southern Region				
Andhra Pradesh	6.89	11.80	79.62	100.13
Telangana	8.61	14.76	84.73	122.80
Karnataka	12.41	20.42	139.39	159.26
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	13.47	13.09	82.63	109.12
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	41.38	60.07	386.37	491.31
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	2.14	2.14	14.88
Jharkhand	0.00	0.00	0.00	0.00
Orissa	8.90	0.00	74.42	24.10
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region Total	8.90	2.14	76.56	38.98
North Eastern Region				
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 Total	0.00	0.00	0.00	0.00
All India Total	296.19	323.65	2546.24	2537.65

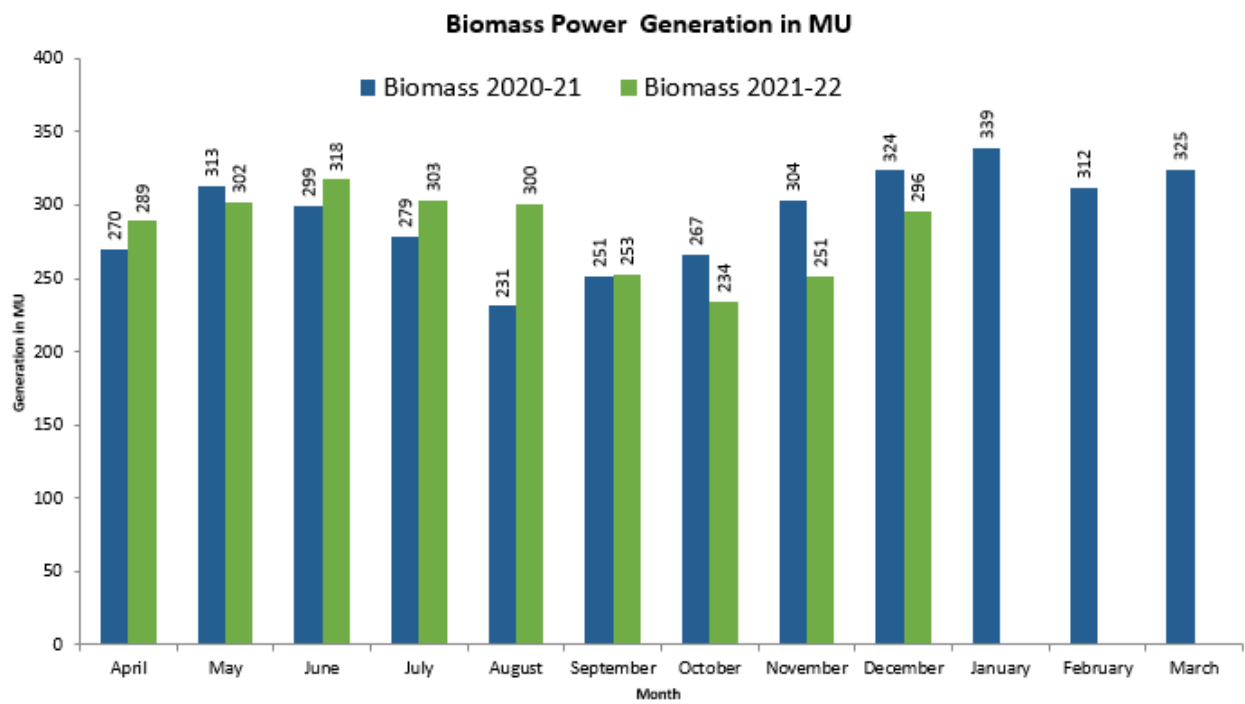


Figure 15 Monthly Biomass Power Generation (2021-22 Up to December -21)

Table 6 State Wise Bagasse Power Generation

Name of State/UT	Bagasse Power Generation(MU) December'2021	Bagasse Power Generation(MU) December'2020	Bagasse Power Generation(MU) April'2021- December'2021	Bagasse Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	19.94	22.76	34.69	78.72
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	43.19	45.78	80.39	92.22
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	664.61	577.54	1593.45	1936.70
Uttarakhand	20.26	0.00	182.34	29.23
Northern Region Total	748.00	646.08	1890.87	2136.86
Western Region				
Chhattisgarh	2.33	3.44	2.33	8.52
Gujarat	4.76	3.63	12.08	11.30
Madhya Pradesh	17.09	19.73	23.00	25.74
Maharashtra	780.53	734.56	2095.26	1725.89
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 Total	804.71	761.35	2132.67	1771.45
Southern Region				
Andhra Pradesh	10.09	9.94	36.12	34.55
Telangana	30.59	22.61	38.21	23.83
Karnataka	522.12	502.61	1929.39	1475.17
Kerala	4.28	4.02	36.65	34.54
Tamil Nadu	51.89	40.35	381.30	333.77
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	618.96	579.53	2421.66	1901.86
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	11.92	0.00	22.51	1.48
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	148.73
Eastern Region Total	11.92	0.00	22.51	150.21
North Eastern Region				
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 Total	0.00	0.00	0.00	0.00
All India Total	2183.59	1986.96	6467.72	5960.38

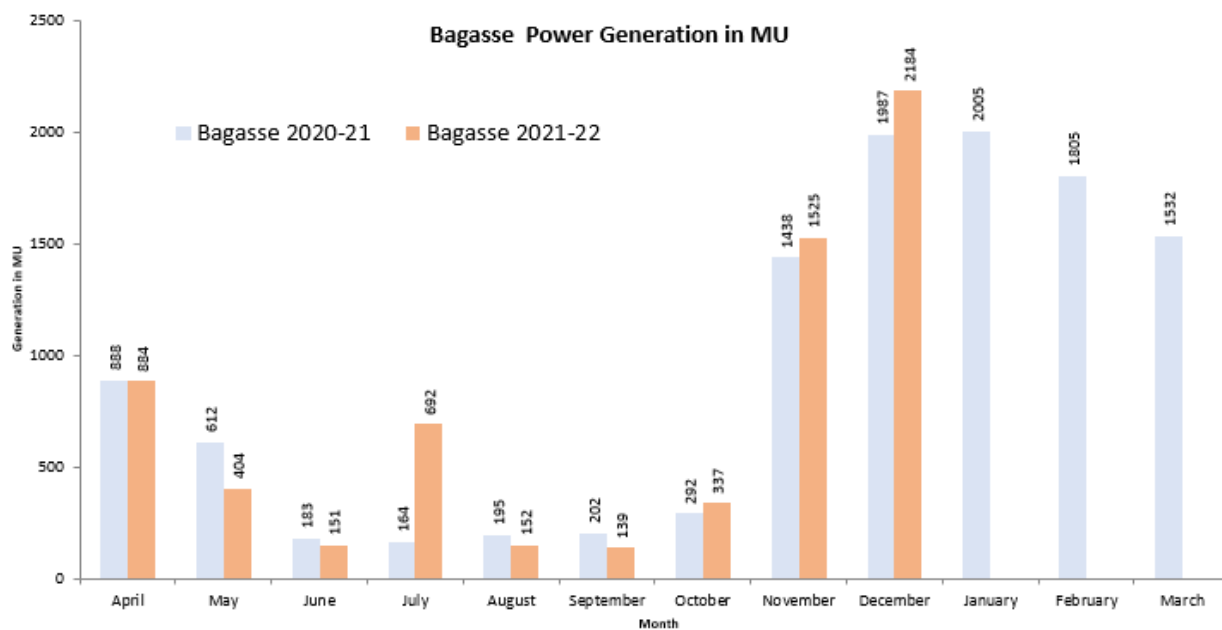


Figure 16 Monthly Bagasse Power Generation (2021-22 Up to December -21)

Table 7 State Wise Small Hydro Generation

Name of State/UT	small Hydro Power Generation(MU) December'2021	small Hydro Power Generation(MU) December'2020	small Hydro Power Generation(MU) April'2021-December'2021	small Hydro Power Generation(MU) April'2020-December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	16.29	25.26	205.07	252.38
Himachal Pradesh	48.06	54.34	1754.21	1953.80
J & K	11.95	16.90	338.34	367.91
Ladakh	0.00	0.00	0.00	0.00
Punjab	52.71	59.36	906.21	597.76
Rajasthan	2.18	1.95	3.08	5.52
Uttar Pradesh	9.73	16.46	114.40	108.38
Uttarakhand	26.78	84.22	241.02	734.84
Northern Region Total	167.69	258.49	3562.32	4020.60
Western Region				
Chhattisgarh	7.75	6.18	167.31	121.64
Gujarat	19.79	22.60	126.21	154.12
Madhya Pradesh	25.00	30.70	172.21	223.26
Maharashtra	27.68	53.64	566.26	587.50
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 Total	80.22	113.11	1031.99	1086.52
Southern Region				
Andhra Pradesh	48.10	41.60	270.77	230.24
Telangana	6.32	7.42	70.35	47.66
Karnataka	190.13	144.44	2168.48	1961.17
Kerala	65.01	47.50	750.94	553.31
Tamil Nadu	28.27	35.08	237.60	183.27
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	337.84	276.04	3498.13	2975.65
Eastern Region				
Andaman Nicobar	1.21	0.99	10.92	12.65
Bihar	0.24	0.00	4.51	43.20
Jharkhand	2.56	2.59	5.38	8.18
Orissa	19.51	17.48	330.64	318.19
Sikkim	1.03	5.41	9.27	44.12
West Bengal	5.37	4.83	136.96	97.79
Eastern Region Total	29.92	31.29	497.68	524.12
North Eastern Region				
Arunachal Pradesh	0.04	0.05	0.27	0.41
Assam	3.43	4.66	32.22	27.67
Manipur	0.00	0.00	0.00	0.00

Name of State/UT	small Hydro Power Generation(MU) December'2021	small Hydro Power Generation(MU) December'2020	small Hydro Power Generation(MU) April'2021-December'2021	small Hydro Power Generation(MU) April'2020-December'2020
Meghalaya	4.06	6.51	33.22	41.26
Mizoram	3.15	0.42	17.38	30.40
Nagaland	3.70	6.18	53.33	56.89
Tripura	0.00	1.54	1.44	5.02
North Eastern Region Total	14.38	19.35	137.87	161.66
All India Total	630.04	698.28	8727.98	8768.55

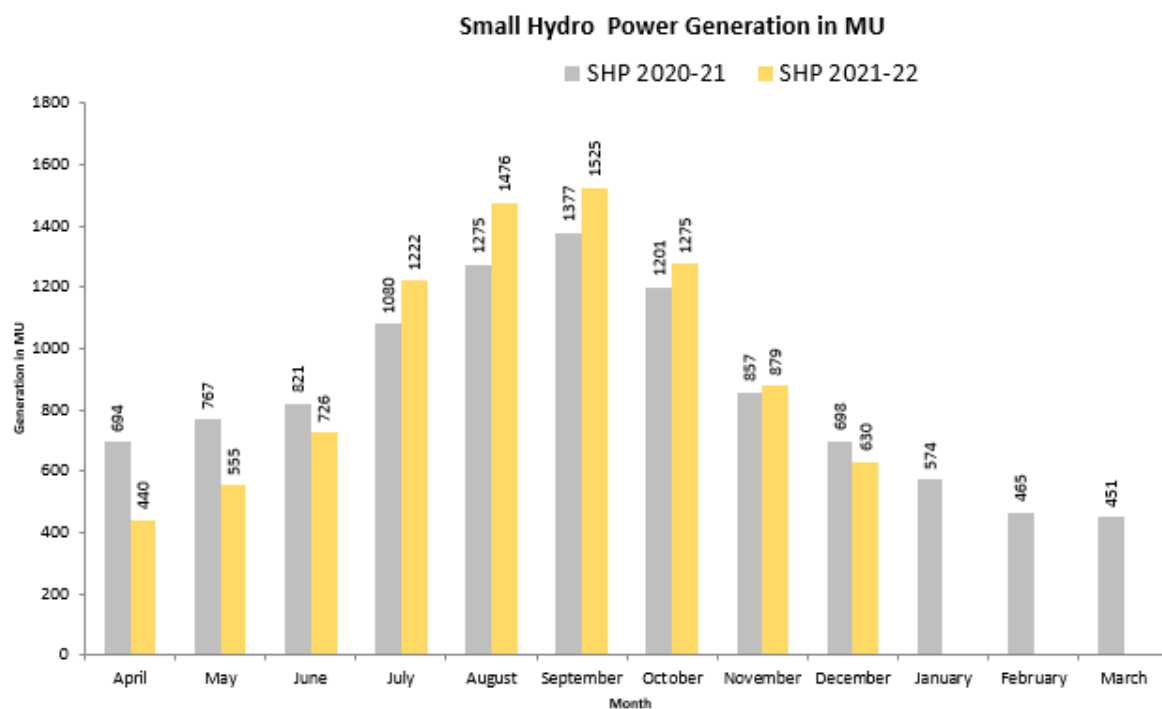


Figure 17 Monthly Small Hydro Power Generation (2021-22 Up to December -21)

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

Name of State/UT	Others Power Generation(MU) December'2021	Others Power Generation(MU) December'2020	Others Power Generation(MU) April'2021-December'2021	Others Power Generation(MU) April'2020-December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	19.07	14.51	177.98	179.02
Haryana	4.90	0.00	13.25	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	0.01	0.04	0.23	0.08
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	6.25	0.00	12.50	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	30.22	14.55	203.95	179.10
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	10.61
Madhya Pradesh	3.15	3.56	23.43	26.64
Maharashtra	0.00	0.00	0.05	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	0.01	0.00	0.01	0.00
Western Region Total	3.15	3.56	23.48	37.30
Southern Region				
Andhra Pradesh	14.48	6.41	78.18	36.36
Telangana	14.58	4.35	175.42	49.38
Karnataka	0.00	0.00	0.00	0.00
Kerala	0.00	0.00	0.00	0.01
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 Total	29.06	10.76	253.60	85.74
Eastern Region				
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	147.09	138.32	1180.11	819.25
Eastern Region Total	147.09	138.32	1180.11	819.25
North Eastern Region				
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

Name of State/UT	Others Generation(MU) December'2021	Power Generation(MU) December'2020	Others Generation(MU) April'2021- December'2021	Power Generation(MU) April'2020- December'2020
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 Total	0.00	0.00	0.00	0.00
All India Total	209.53	167.19	1661.14	1121.39

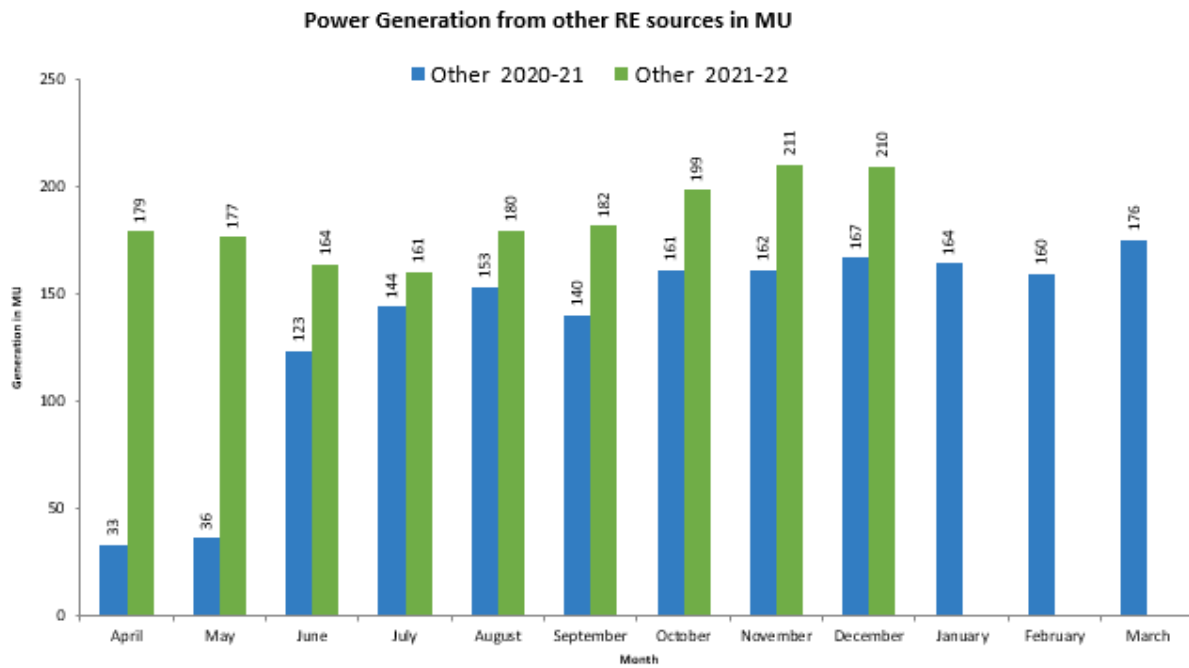


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation (2021-22 Up to December -21)

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for December 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Unchahar Solar	Uttar Pradesh	Central	NTPC	Solar	10	0.80	10.75
Dadri Solar	Uttar Pradesh	Central	NTPC	Solar	5	0.41	11.02
Singrauli Solar	Uttar Pradesh	Central	NTPC	Solar	15	1.37	12.28
Auraiya	Uttar Pradesh	Central	NTPC	Solar	20	1.80	12.10
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	300	51.15	22.92
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	IPP	Solar	250	50.85	27.34
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	300	75.44	33.80
Adani Renewable Energy Four Pvt Ltd	Rajasthan	Private	IPP	Solar	300	7.84	3.51
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	250	44.29	23.81
Mahoba Solar (Up) Private Ltd	Rajasthan	Private	IPP	Solar	200	32.70	21.98
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	300	38.58	17.28
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	200	28.36	19.06
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	300	8.32	3.73
Azure Power Forty One Private Limited	Rajasthan	Central	IPP	Solar	175	16.21	12.45
Mahindra Renewable Private Limited	Rajasthan	Central	IPP	Solar	250	42.38	22.78
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	IPP	Solar	300	44.97	20.15
SB Energy Four Pvt Ltd	Rajasthan	Central	IPP	Solar	150	29.57	26.50
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	250	36.42	19.58
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Private	IPP	Solar	200	45.59	30.64
Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	300	8.08	3.62
SB Energy Six Private Ltd.	Rajasthan	Central	IPP	Solar	350	50.77	19.50

Monthly RE generation from Inter State Generating Station (ISGS) for December 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	150	10.22	9.16
Azure Power Thirty Four Private Ltd	Rajasthan	Central	IPP	Solar	300	22.22	9.96
Renew Sun Waves Private Limited	Rajasthan	Central	IPP	Solar	300	47.62	21.34
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Central	IPP	Solar	300	70.93	31.78
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Central	IPP	Solar	100	21.92	29.46
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Central	IPP	Solar	100	20.45	27.49
Northern Region **					5325	809.26	
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	250	35.25	18.95
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	250	35.07	18.85
Mahindra Solar (Badwar)	Madhya Pradesh	Private	IPP	Wind	300	34.42	15.42
ESPL RSP Solar	Gujarat	Private	IPP	Solar	200	37.51	25.21
TPREL RSP Solar	Gujarat	Private	IPP	Solar	100	18.99	25.53
GIPCL RSP Solar	Gujarat	Private	IPP	Solar	100	19.98	26.85
Renew Solar (Bhuvad)	Gujarat	Private	IPP	Solar	250	57.59	30.96
Alfnar Wind	Gujarat	Private	IPP	Wind	400	38.67	12.99
Adani Green Energy Mp Ltd(Dayapar)	Gujarat	Private	IPP	Wind	250	84.01	45.17
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	300	53.04	23.76
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	500	49.32	13.26
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	250	27.11	14.58
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	250	58.98	31.71
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	300	79.58	35.65
Western Region **					3000	629.52	
Beetam(Tuticorin)**	Tamil Nadu	Private	IPP	Wind	300	32.97	14.77
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	250	18.42	9.90

Monthly RE generation from Inter State Generating Station (ISGS) for December 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	250	18.49	9.94
Mytra	Tamil Nadu	Private	IPP	Wind	200	20.43	13.73
Orange	Tamil Nadu	Private	IPP	Wind	84	32.59	52.15
Green Infra	Lakshadweep	Private	IPP	Wind	279	44.87	21.62
Biwadi	Andhra Pradesh	Private	IPP	Solar	50	8.64	23.23
Hisar	Andhra Pradesh	Private	IPP	Solar	50	8.70	23.37
Karnal	Andhra Pradesh	Private	IPP	Solar	50	8.48	22.79
Ayana	Andhra Pradesh	Private	IPP	Solar	250	43.06	23.15
Azure	Andhra Pradesh	Private	IPP	Solar	50	7.15	19.22
FRV2	Andhra Pradesh	Private	IPP	Solar	50	8.23	22.11
FRV	Andhra Pradesh	Private	IPP	Solar	50	7.69	20.66
NTPC	Andhra Pradesh	Private	IPP	Solar	250	29.23	15.71
SBG	Andhra Pradesh	Private	IPP	Solar	250	41.30	22.21
Sprng Agnitra	Andhra Pradesh	Private	IPP	Solar	100	43.56	58.55
Tata	Andhra Pradesh	Private	IPP	Solar	250	14.32	7.70
Adyah10	Karnataka	Private	IPP	Solar	50	9.37	25.20
Adyah13	Karnataka	Private	IPP	Solar	50	9.43	25.35
Adyah1	Karnataka	Private	IPP	Solar	350	9.57	3.68
Adyah2	Karnataka	Private	IPP	Solar	50	9.64	25.92
Adyah3	Karnataka	Private	IPP	Solar	50	9.63	25.88
Adyah6	Karnataka	Private	IPP	Solar	50	9.76	26.25
Amplus	Karnataka	Private	IPP	Solar	50	8.12	21.83
Avaada	Karnataka	Private	IPP	Solar	100	26.50	35.62
Avaada Solarise	Karnataka	Private	IPP	Solar	150	26.41	23.66

Monthly RE generation from Inter State Generating Station (ISGS) for December 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Azure Power	Karnataka	Private	IPP	Solar	150	18.94	16.97
Fortum Finsurya	Karnataka	Private	IPP	Solar	100	16.07	21.60
Fortum	Karnataka	Private	IPP	Solar	200	44.23	29.73
Kredl	Karnataka	Private	IPP	Solar	250	8.03	4.32
Parampujya	Karnataka	Private	IPP	Solar	150	26.84	24.05
Renew	Karnataka	Private	IPP	Solar	150	7.95	7.13
SBG	Karnataka	Private	IPP	Solar	150	36.30	32.53
Tata	Karnataka	Private	IPP	Solar	300	69.99	31.36
Yarrow	Karnataka	Private	IPP	Solar	400	9.07	3.05
Southern Region **					5513	743.99	
Total					14538	2182.78	

Table 10 Renewable Energy Generation by CPSU Owned stations

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2 021	RE Generation (MU) April'2020-December '2020
NTPC							
NTPC Faridabad_Solar	Haryana	5	Solar	0.44	0.49	5.10	5.16
NTPC Bhadla	Rajasthan	260	Solar	29.88	34.18	329.02	332.23
NTPC Jetsar	Rajasthan	80	Solar	8.39	0.00	20.74	0.00
NTPC Fatehgarh	Rajasthan	50	Solar	0.48	0.00	0.48	0.00
NTPC Dadri_Solar *	Uttar Pradesh	5	Solar	0.42	0.49	4.88	5.13
NTPC Unchahar_Solar *	Uttar Pradesh	10	Solar	0.83	1.00	9.11	10.72
NTPC Singrauli_Solar *	Uttar Pradesh	15	Solar	1.39	1.04	14.55	15.10
NTPC Auraiya	Uttar Pradesh	20	Solar	1.83	1.29	24.09	1.85
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	0.00	0.00	13.72	13.71
NTPC Rojmal	Gujarat	50	Wind	9.86	7.40	79.27	62.81
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	5.44	6.01	53.10	57.75
NTPC Mandsaur	Madhya Pradesh	250	Solar	27.23	32.41	274.28	294.84
NTPC Anantapuram	Andhra Pradesh	250	Solar	30.12	29.26	270.25	272.65
NTPC Ramagundam	Telangana	27.5	Solar	1.98	1.36	10.14	10.46
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.51	0.49	3.79	3.59
NTPC Talchar_Solar	Orissa	10	Solar	1.44	1.21	10.07	10.13
NTPC Solar_Bilhaur	Uttar Pradesh	225	Solar	31.75	0.00	343.17	0.00
Simhadri Floating Project	Andhra Pradesh	25	Solar	3.69	0.00	16.04	0.00
Total NTPC		1365.50		155.68	116.63	1481.80	1096.13
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	7.57	5.84	63.99	58.83
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	15.35	13.66	124.48	105.97
THDC Solar Kasaragod	Kerala	50	Solar	9.38	0.03	61.11	0.34
THDCIL's premises at Rishikesh	Uttar Pradesh	0.5	Solar	0.03	7.97	0.28	52.00
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	5.74	0.00	40.61	0.00
Total THDC		187.5		38.07	27.50	290.47	217.14
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	3.77	4.32	64.24	45.28
NHPC Solar Power Project	Tamilnadu	50	Solar	7.34	5.70	64.74	60.93
Total NHPC		100		11.11	10.02	128.98	106.20
ONGC*							
ONGC Wind, Bhuj	Gujarat	51.00	Wind	3.00	5.15	71.31	56.15

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2 021	RE Generation (MU) April'2020-December '2020
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	4.70	8.09	116.22	110.09
ONGC Solar, Goa	Goa	1.00	Solar	0.11	0.14	0.89	1.14
ONGC Solar, Hazira	Gujarat	10.00	Solar	1.19	1.23	9.34	11.23
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.68	0.52	4.40	5.52
ONGC Solar, Rajahmundry	Andhra Pradesh	1.00	Solar	0.06	0.10	0.71	1.10
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.13	0.11	0.89	1.20
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.00	0.36	0.54	5.36
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.37	0.36	3.56	4.59
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.15	0.14	1.13	1.78
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.13	0.11	0.96	1.35
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.02	0.19	0.27
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.01	0.29
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.01	0.06	0.02
ONGC Solar, DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00	0.25
Total ONGC		184.05		10.55	16.34	210.21	200.34
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	0.67	1.93	42.44	54.94
Sadla Wind Power	Gujarat	50.00	Solar	8.54	6.26	80.63	59.94
Charanka Solar Power	Gujarat	5.60	Solar	0.67	0.64	6.21	4.25
Total SJVN		103.2		9.89	8.82	129.27	119.13
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	1.77	1.97	17.83	18.82
Oil India Ltd	Rajasthan	67.6	Wind	3.74	4.67	64.25	52.99
Oil India Ltd	Gujarat	43.3	Wind	10.47	8.19	73.64	70.09
Oil India Ltd	Madhya Pradesh	63.2	Wind	8.55	5.84	99.06	89.41
Total Oil India Ltd		188.1		24.52	20.67	254.77	231.31
NEEPCO							
NEEPCO	Tripura	5	Solar	0.53	0.29	4.13	3.08
DVC							0.00
DVC	West Bangal	0.08	Solar	0.01	0.01	2.97	0.02
DVC	Jharkhand	4	Small Hydro	2.89	2.59	15.12	6.09

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2021	RE Generation (MU) April'2020-December '2020
Total DVC		4.08		2.90	2.59	18.10	6.12
All India Total		2137.43		253.24	202.87	2517.73	1979.44

Renewable Energy Curtailment during December 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 December -2021			
S.No.	States	Curtailment (MU)	Source
1.	Andhra Pradesh		APTRANSCO Website- http://apps.aptransco.co.in/sldcreports/forms/BackDownWind.aspx
2.	Telangana		Information furnished by SLDC, TSTransco through email.
3.	Tamil Nadu	-	No information is available on website.
4.	Karnataka		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 December 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
ACME CHITTORGARH ENERGY PVT LTD.	Solar	37.62	38.58	0.96
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR	Solar	68.07	70.93	2.87
ADANI RENEWABLE ENERGY FOUR PVT LTD	Solar	30.39	45.59	15.20
ADANI HYBRID ENERGY JAISALMER THREE LIMITED	Solar	24.97	21.92	-3.05
ADANI HYBRID ENERGY JAISALMER TWO LIMITED	Solar	20.74	20.45	-0.29
MAHOBA SOLAR (UP) PRIVATE LTD	Solar	38.04	32.70	-5.34
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Solar	8.97	8.32	-0.65
ADANI SE4PL	Solar	9.41	7.84	-1.57
AURAIYA SOLAR	Solar	1.93	1.80	-0.13
AYANA RENEWABLE ONE	Solar	13.38	10.70	-2.68
AZURE POWER FORTY ONE PRIVATE LIMITED	Solar	16.92	16.21	-0.71
AZURE POWER FORTY THREE PRIVATE LTD	Solar	77.70	75.44	-2.26
AZURE POWER THIRTY FOUR PRIVATE LTD	Solar	23.42	22.22	-1.21
AZURE POWER INDIA PVT LTD	Solar	28.82	28.36	-0.46
CLEAN SOLAR POWER (BHADLA) PVT LDT	Solar	50.49	50.85	0.37
DADRI SOLAR	Solar	0.50	0.41	-0.09
EDEN RENEWABLE CITE PRIVATE LIMITED	Solar	51.15	51.89	0.74
MAHINDRA RENEWABLE PRIVATE LIMITED	Solar	42.18	42.28	0.10
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD	Solar	47.19	44.97	-2.22
RENEW SOLAR POWER PVT LTD	Solar	8.18	8.08	-0.11
RENEW SOLAR URJA	Solar	29.76	26.04	-3.72
RENEW SUN BRIGHT	Solar	44.31	45.83	1.52
RENEW SUN WAVES PRIVATE LIMITED	Solar	47.75	47.62	-0.13
RENEW SOLAR POWER PVT LTD. BIKANER	Solar	36.63	36.42	-0.21
SB ENERGY FOUR PVT LTD	Solar	29.08	29.57	0.48
SB ENERGY SIX PRIVATE LTD.	Solar	55.33	50.77	-4.56
SBSR POWER CLEANTECH ELEVEN PRIVATE LIMITED	Solar	9.81	10.22	0.41
WESTERN REGION				
RENEW SOLAR (BHUVAD)	Solar	59.53	57.59	-1.93
OSTRO WIND (KUTCH)		62.32	58.98	-3.34
MAHINDRA SOLAR (BADWAR)	Solar	33.96	34.42	0.46
ARINSUN SOLAR (BARSITADESH)	Solar	33.86	35.25	1.38
ACME SOLAR (RAMNAGAR)	Solar	34.37	35.07	0.70
GIWEL - III WIND (NARANPAR)	Wind	54.41	49.32	-5.09
GIWEL - II WIND (VADVA)	Wind	57.34	53.04	-4.30
IWISL WIND (DAYAPAR)	Wind	21.34	27.11	5.77

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of December 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
ADANI GREEN ENERGY	Wind	79.25	84.01	4.76
ALFANARWIND_SECI-III	Wind	45.76	38.67	-7.09
RENEW WIND ENERGY AP2 SECI-III	Wind	82.16	79.58	-2.58
BEETAM	Wind	30.80	32.97	2.17
GIREL	Wind	48.15	44.87	-3.28
MYTRAH	Wind	28.62	20.43	-8.19
ORANGE	Wind	37.80	32.59	-5.20
SPRNG RENEWABLE ENERGY PVT LTD(PUGALUR)	Wind	19.10	18.42	-0.68

+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 December 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	1.68	1.68	100.00
Delhi	0.00	366.16	0.00	0.00	39.11	405.27	9.65
Haryana	2141.58	0.00	0.00	0.00	110.14	2251.72	4.89
HP	0.00	0.00	0.00	1401.26	52.14	1453.40	100.00
J & K	0.00	0.00	0.00	496.09	11.95	508.04	100.00
Ladakh	0.00	0.00	0.00	16.57	0.00	16.57	100.00
Punjab	1521.04	0.00	0.00	316.53	262.72	2100.29	27.58
Rajasthan	4971.77	102.31	639.72	67.53	1627.69	7409.02	31.51
Uttar Pradesh	10299.33	0.00	329.61	121.10	885.05	11635.09	11.48
Uttarakhand	0.00	0.00	0.00	922.00	71.67	993.67	100.00
Northern Region	18933.72	468.47	969.33	3341.08	3062.14	26774.74	27.54
Chhattisgarh	12048.20	0.00	0.00	3.84	161.62	12213.66	1.35
Gujarat	4365.90	217.06	339.22	195.37	2075.84	7193.39	36.29
Madhya Pradesh	11409.87	0.00	0.00	417.90	621.05	12448.82	8.35
Maharashtra	9939.53	408.55	812.09	300.23	1314.53	12774.93	19.00
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	3.84	3.84	100.00
Daman & Diu	0.00	0.00	0.00	0.00	5.34	5.34	100.00
Goa	0.00	0.00	0.00	0.00	1.35	1.35	100.00
Western Region	37763.50	625.61	1151.31	917.34	4183.57	44641.33	14.01
Andhra Pradesh	3890.35	123.37	0.00	203.17	1007.90	5224.79	23.18
Telangana	3934.83	0.00	0.00	105.11	617.16	4657.10	15.51
Karnataka	2621.43	0.00	676.26	1022.41	2295.04	6615.14	60.37
Kerala	0.00	0.00	0.00	726.76	116.80	843.56	100.00
Tamil Nadu	4995.72	147.99	1654.42	541.47	1183.19	8522.79	39.65
Lakshadweep	0.00	0.00	0.00	0.00	0.01	0.01	100.00
Puducherry	0.00	20.90	0.00	0.00	1.02	21.92	4.65
Southern Region	15442.33	292.26	2330.68	2598.92	5221.11	25885.30	39.21
Andaman Nicobar	8.11	0.00	0.00	0.00	3.34	11.45	29.20
Bihar	4180.55	0.00	0.00	0.00	24.08	4204.63	0.57
Jharkhand	2263.03	0.00	0.00	15.80	3.96	2282.79	0.87
Orissa	4554.28	0.00	0.00	264.03	73.38	4891.69	6.90
Sikkim	0.00	0.00	0.00	426.52	1.03	427.55	100.00
West Bengal	7510.21	0.00	0.00	176.44	158.92	7845.57	4.27
Eastern Region	18516.18	0.00	0.00	882.79	264.71	19663.68	5.84
Arunachal Pradesh	0.00	0.00	0.00	209.55	0.17	209.72	100.00
Assam	365.10	309.15	0.00	29.82	10.61	714.68	5.66
Manipur	0.00	0.00	0.00	27.75	0.52	28.27	100.00

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

State/UT	Fossil		Non Fossil				Non Fossil
Meghalaya	0.00	0.00	0.00	37.92	4.06	41.98	100.00
Mizoram	0.00	0.00	0.00	15.39	3.23	18.62	100.00
Nagaland	0.00	0.00	0.00	5.61	3.70	9.31	100.00
Tripura	0.00	579.19	0.00	0.00	0.57	579.76	0.10
North Eastern Region	365.10	888.34	0.00	326.04	22.87	1602.35	21.77
All India Total	91020.83	2274.68	4451.32	8066.17	12754.40	118567.40	21.31

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 December 2021							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	1.68	1.68	100.00
Delhi	0.00	366.16	0.00	0.00	39.11	405.27	9.65
Haryana	2141.58	0.00	0.00	0.00	110.14	2251.72	4.89
HP	0.00	0.00	0.00	1401.26	52.14	1453.40	3.59
J & K	0.00	0.00	0.00	496.09	11.95	508.04	2.35
Ladakh	0.00	0.00	0.00	16.57	0.00	16.57	0.00
Punjab	1521.04	0.00	0.00	316.53	262.72	2100.29	12.51
Rajasthan	4971.77	102.31	639.72	67.53	1627.69	7409.02	21.97
Uttar Pradesh	10299.33	0.00	329.61	121.10	885.05	11635.09	7.61
Uttarakhand	0.00	0.00	0.00	922.00	71.67	993.67	7.21
Northern Region	18933.72	468.47	969.33	3341.08	3062.14	26774.74	169.78
Chhattisgarh	12048.20	0.00	0.00	3.84	161.62	12213.66	1.32
Gujarat	4365.90	217.06	339.22	195.37	2075.84	7193.39	28.86
Madhya Pradesh	11409.87	0.00	0.00	417.90	621.05	12448.82	4.99
Maharashtra	9939.53	408.55	812.09	300.23	1314.53	12774.93	10.29
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	3.84	3.84	100.00
Daman & Diu	0.00	0.00	0.00	0.00	5.34	5.34	100.00
Goa	0.00	0.00	0.00	0.00	1.35	1.35	100.00
Western Region	37763.50	625.61	1151.31	917.34	4183.57	44641.33	345.46
Andhra Pradesh	3890.35	123.37	0.00	203.17	1007.90	5224.79	19.29
Telangana	3934.83	0.00	0.00	105.11	617.16	4657.10	13.25
Karnataka	2621.43	0.00	676.26	1022.41	2295.04	6615.14	34.69
Kerala	0.00	0.00	0.00	726.76	116.80	843.56	13.85
Tamil Nadu	4995.72	147.99	1654.42	541.47	1183.19	8522.79	13.88
Lakshadweep	0.00	0.00	0.00	0.00	0.01	0.01	100.00
Puducherry	0.00	20.90	0.00	0.00	1.02	21.92	4.65
Southern Region	15442.33	292.26	2330.68	2598.92	5221.11	25885.30	199.62
Andaman Nicobar	8.11	0.00	0.00	0.00	3.34	11.45	29.20
Bihar	4180.55	0.00	0.00	0.00	24.08	4204.63	0.57
Jharkhand	2263.03	0.00	0.00	15.80	3.96	2282.79	0.17
Orissa	4554.28	0.00	0.00	264.03	73.38	4891.69	1.50
Sikkim	0.00	0.00	0.00	426.52	1.03	427.55	0.24
West Bengal	7510.21	0.00	0.00	176.44	158.92	7845.57	2.03
Eastern Region	18516.18	0.00	0.00	882.79	264.71	19663.68	33.71
Arunachal Pradesh	0.00	0.00	0.00	209.55	0.17	209.72	0.08
Assam	365.10	309.15	0.00	29.82	10.61	714.68	1.49
Manipur	0.00	0.00	0.00	27.75	0.52	28.27	1.83

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Meghalaya	0.00	0.00	0.00	37.92	4.06	41.98	9.67
Mizoram	0.00	0.00	0.00	15.39	3.23	18.62	17.36
Nagaland	0.00	0.00	0.00	5.61	3.70	9.31	39.74
Tripura	0.00	579.19	0.00	0.00	0.57	579.76	0.10
North Eastern Region	365.10	888.34	0.00	326.04	22.87	1602.35	1.43
All India Total	91020.83	2274.68	4451.32	8066.17	12754.40	118567.40	10.76

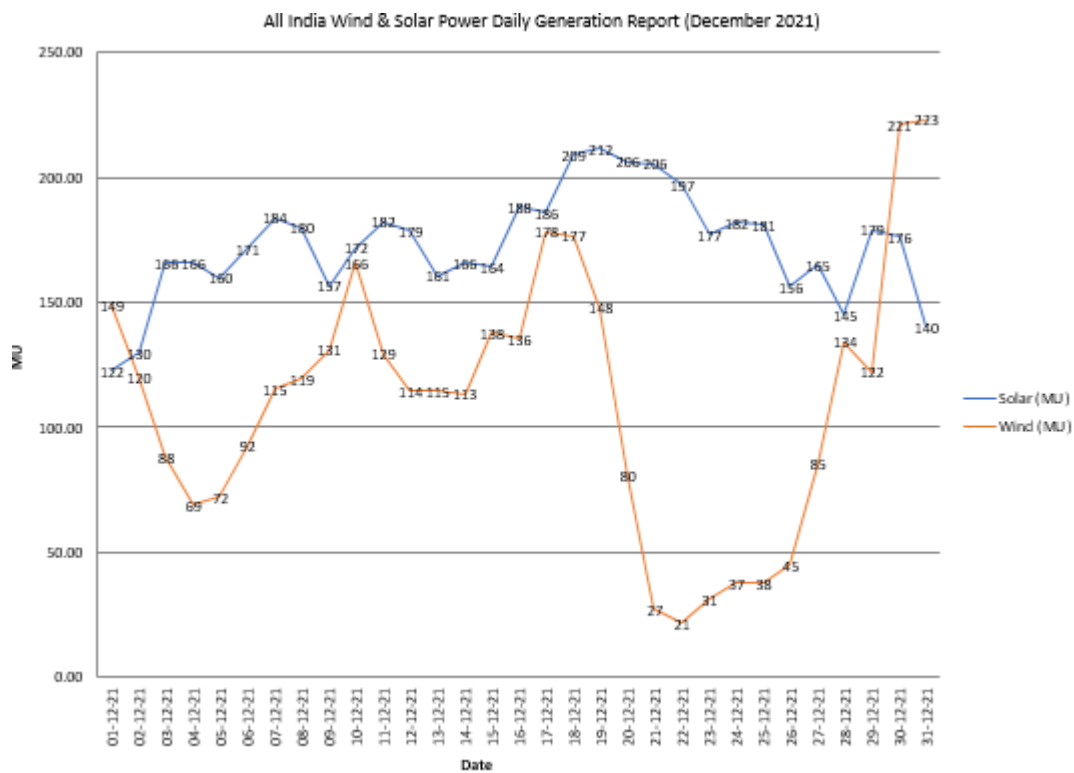


Figure 19 Daily Solar and wind Power Generation trend in the month of December -21



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