



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

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SUMMARY OF REPORT FOR THE MONTH OF NOVEMBER 2021

Decreased by 0.81 % as compared to October 21.

Increased by 04.70 % as compared to November 20.

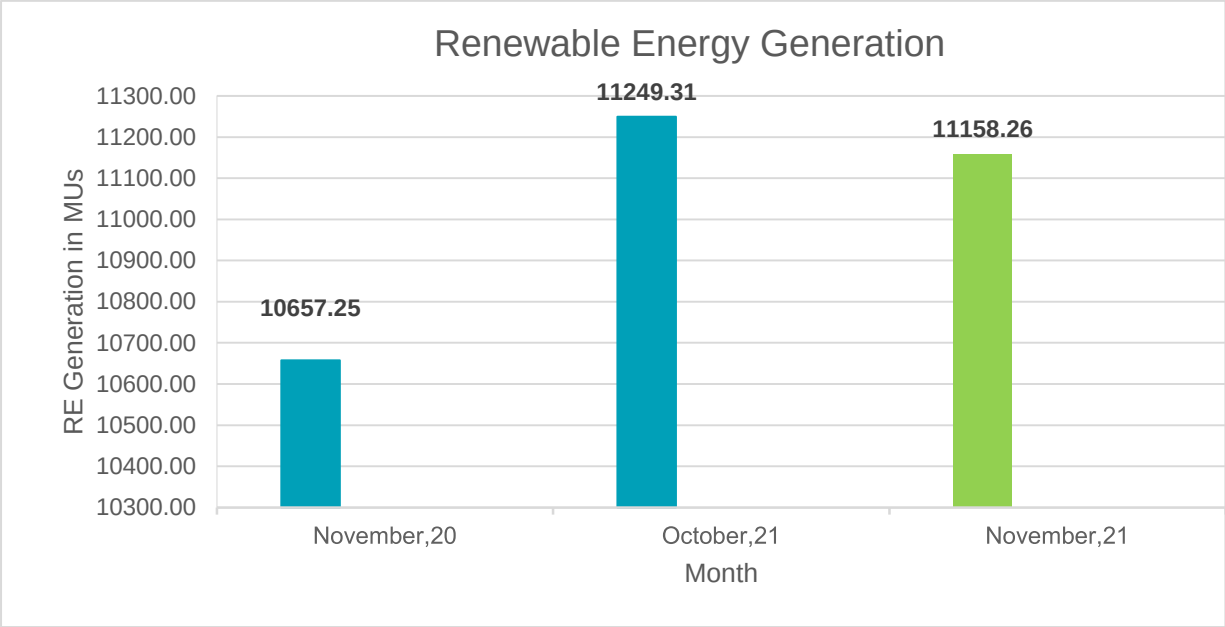


Figure 1: Renewable Energy Generation

Decreased by 35 .88 % as compared to October 21.

Increased by 27.84% as compared to November 20.

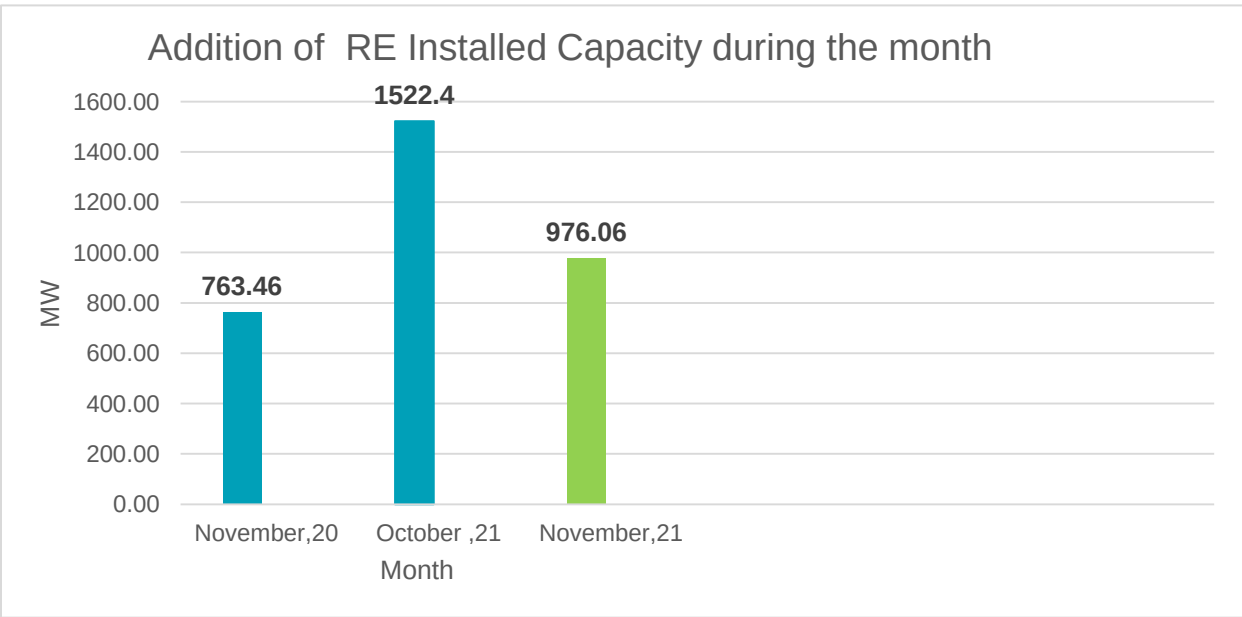


Figure 2 RE capacity added during the Month

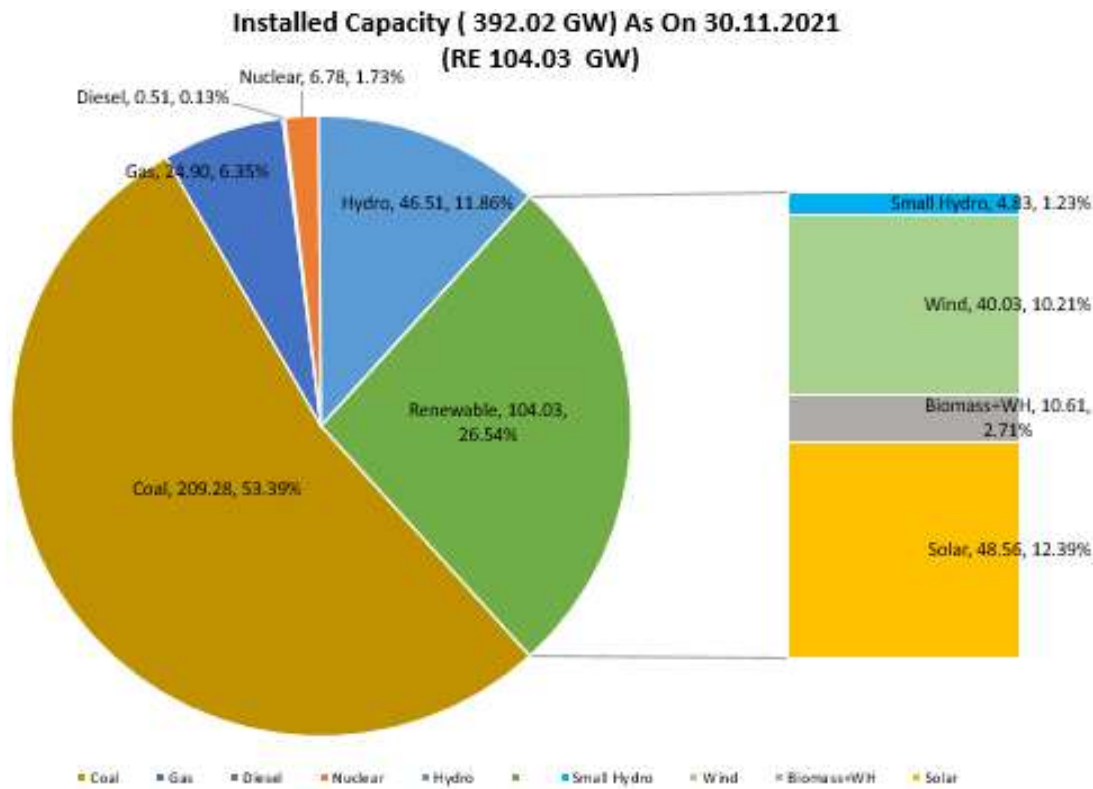


Figure 3 Installed Capacity in India as on 30.11.2021

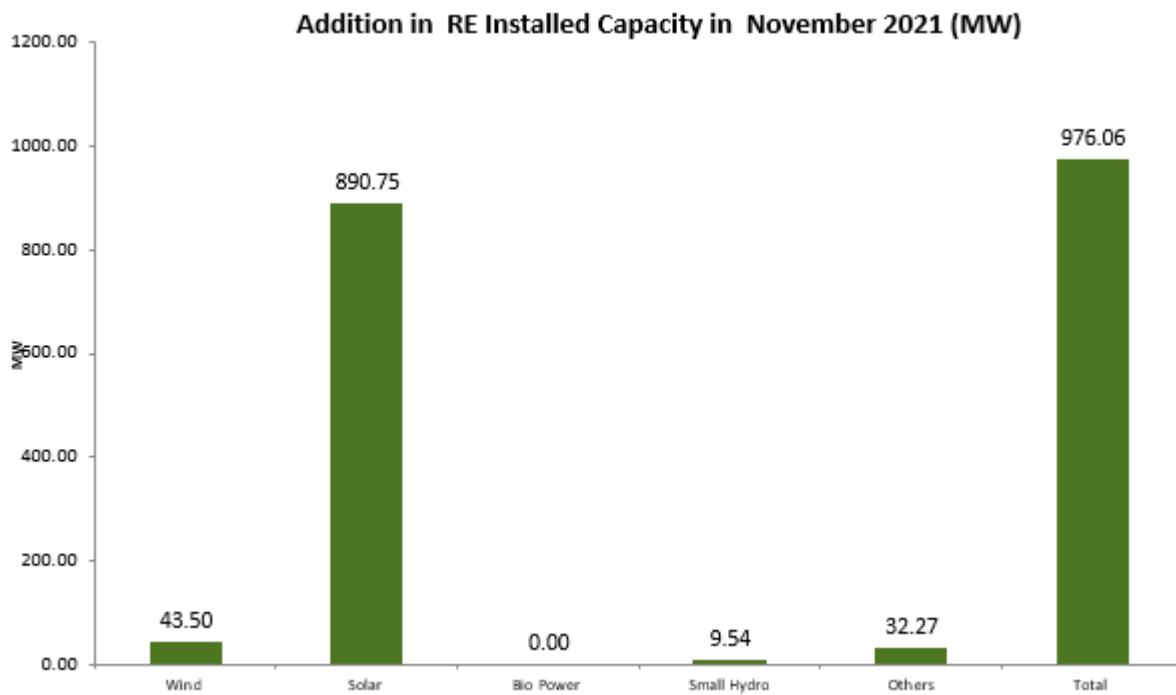


Figure 4: Source wise addition in RE Installed Capacity in November 21

HIGHLIGHTS OF RE GENERATION DURING NOVEMBER 2021

1. RE generation increased by 04.70% in November 2021 as compared to November 2020.
2. Wind Power generation during the month of November 2021 increased in Rajasthan, Madhya Pradesh, Maharashtra, and Tamil Nadu and decreased in Gujarat, Andhra Pradesh and Karnataka, as compared to November 2020.
3. Daily wind generation decreased by .84 % as compared to November 2020 and increased by 13.72 % as compared to October 2021.
4. Solar Power generation during the month of November 2021 increased in Punjab, Uttar Pradesh, Rajasthan, Gujarat, Maharashtra, Kerala, Orissa and decreased in Andhra Pradesh, Telangana ,Tamil Nadu, Karnataka as compared to November 2020.
5. Daily solar generation increased by 09.20 % as compared to November 2020 and decreased by 16.76% as compared to October 2021.

ALL INDIA SUMMARY OF RENEWABLE ENERGY GENERATION

Source	Installed Capacity (MW) (As on 30.11.2021)	RE Generation (MU) November '2021	RE Generation (MU) November '2020	% of same period Last Year	RE Generation (MU) April'2021- November '2021	RE Generation (MU) April'2020- November '2020	% of same period Last Year
Wind	40033.6	3277.50	3305.21	99.16	54550.25	46367.26	117.65
Solar	48556.64	5014.74	4592.34	109.20	45392.32	38598.24	117.60
Biomass	10175.61	251.45	303.51	82.85	2250.04	2214.00	101.63
Bagasse		1524.82	1437.83	106.05	4284.13	3973.42	107.82
Small Hydro	4831.35	879.09	856.67	102.62	8097.94	8070.27	100.34
Others	434.11	210.65	161.70	130.27	1451.61	954.20	152.13
Total	104031.31	11158.26	10657.25	104.70	116026.28	100177.39	115.82

Table 1 All India Summary of Renewable Energy Generation

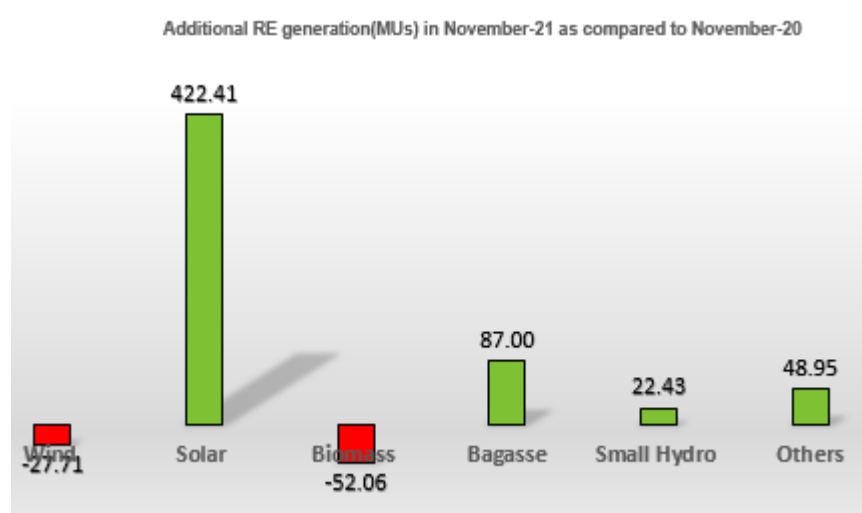


Figure 5 Additional RE Generation in November 21 compared to November 20

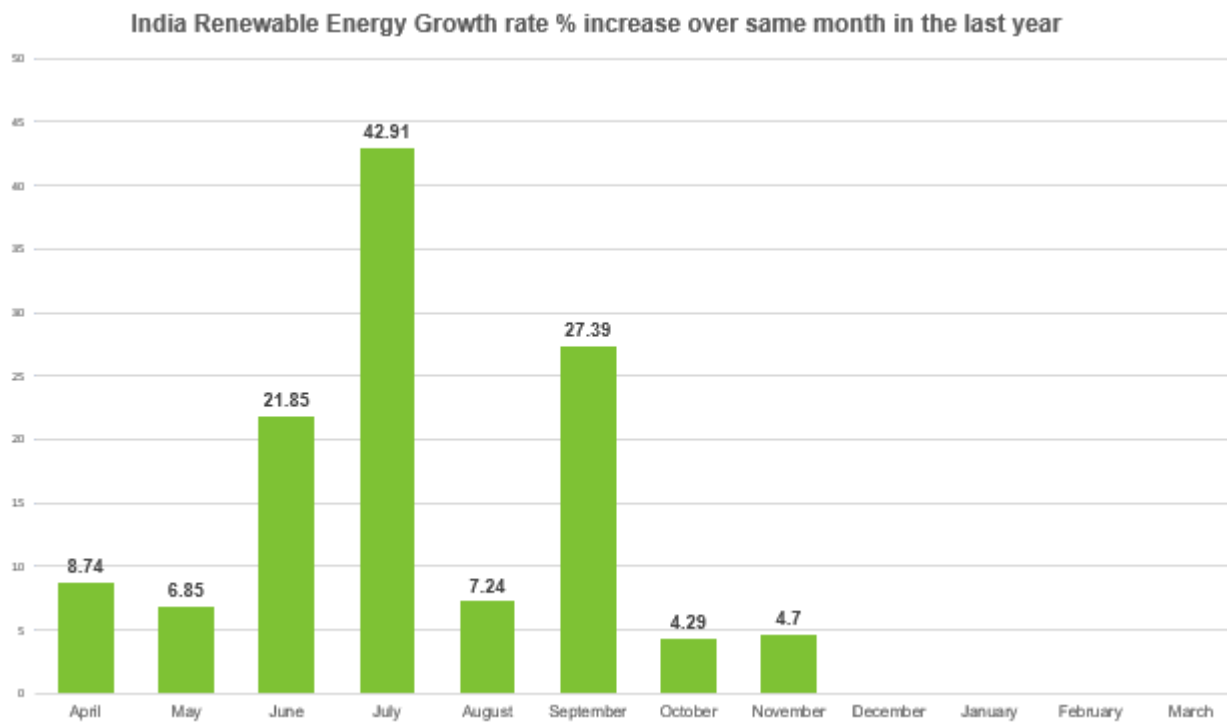
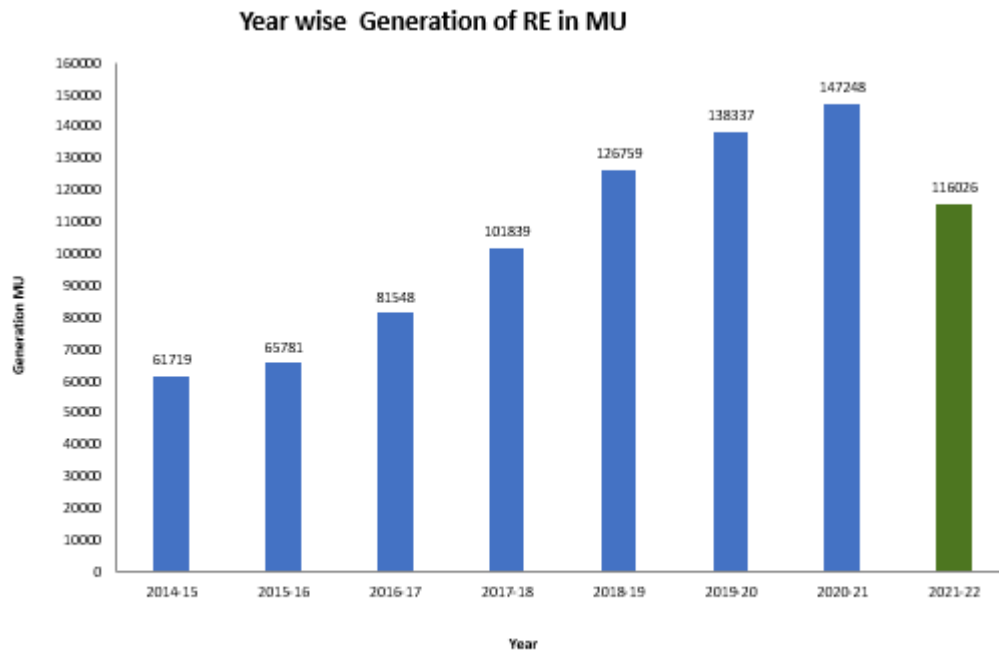


Figure 6: Month Wise Growth of RE Generation in 2021-22 w.r.t to 2020-21



* 2021-22 RE Generation (Upto November 2021)

Figure 7 Year Wise RE Generation

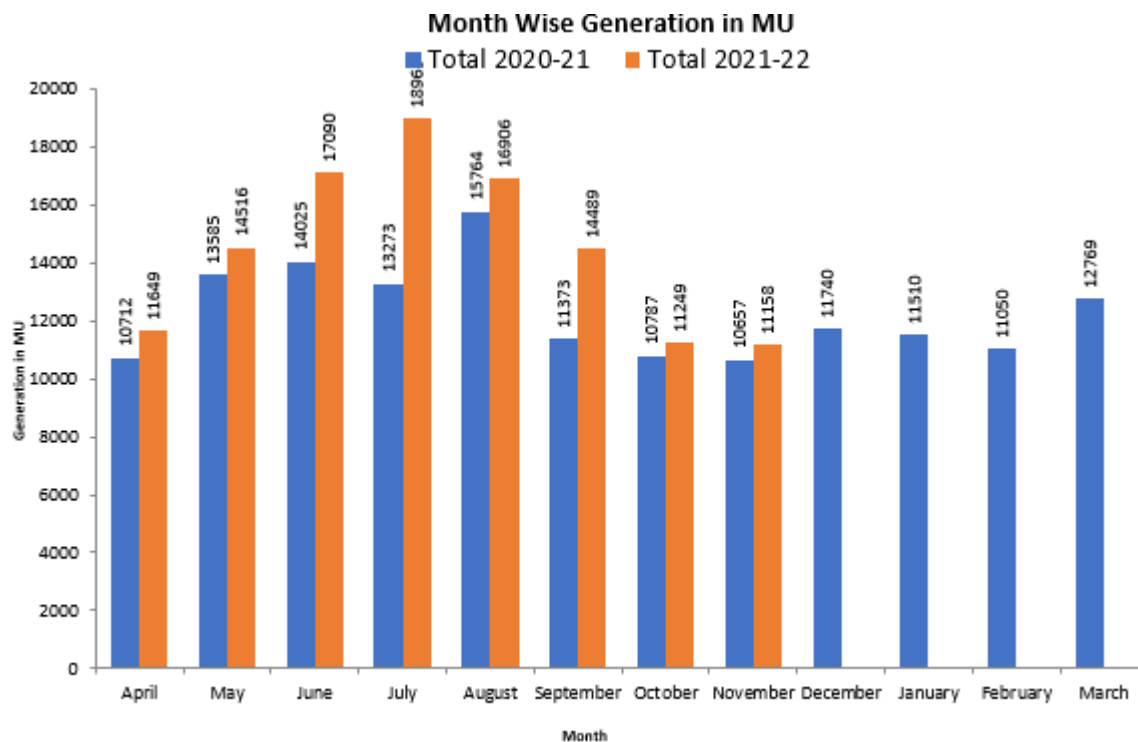


Figure 8 comparison of Month Wise RE Generation in year 2021-22 & in year 2020-21

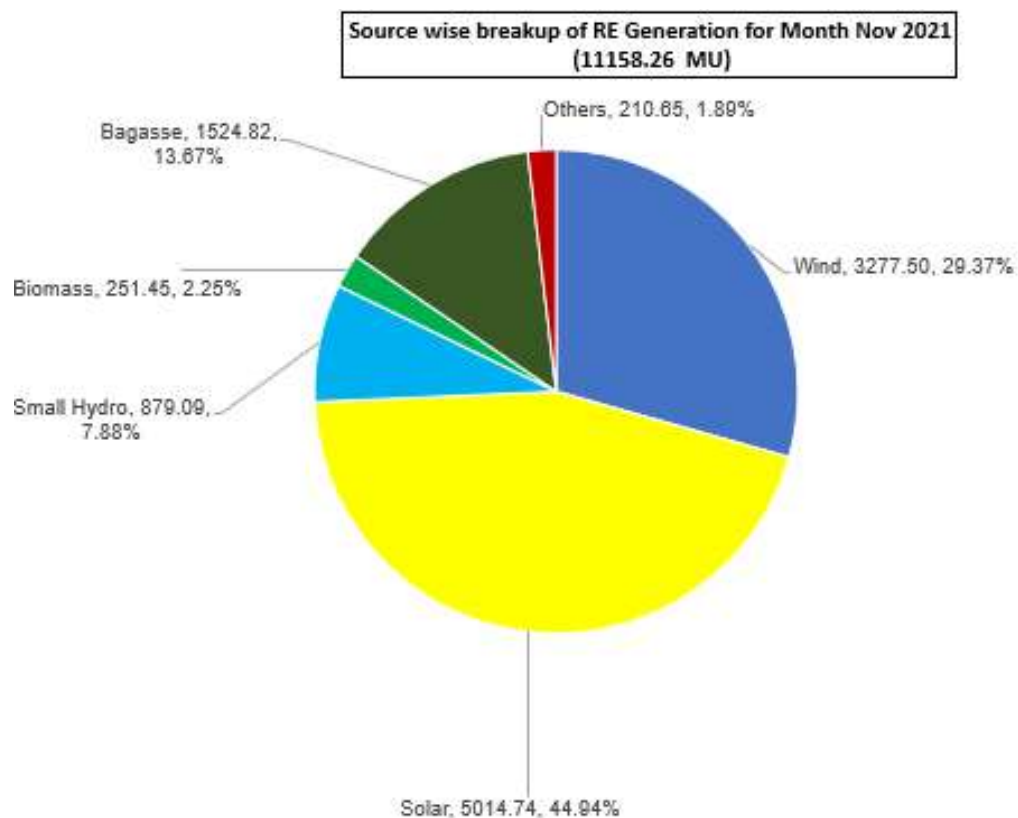


Figure 9 Source wise breakup of RE Generation in the month of November -21

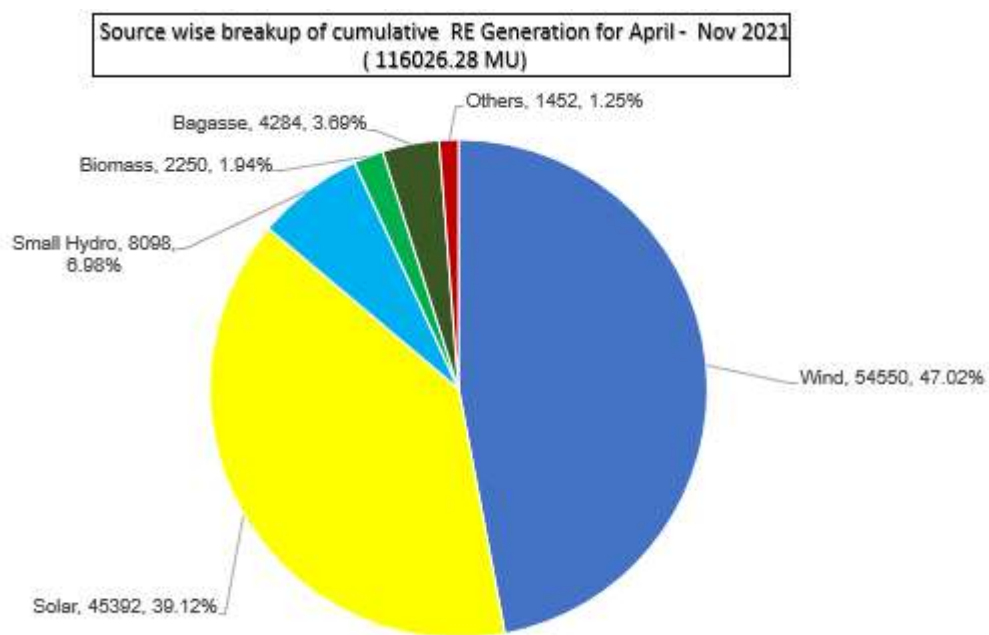


Figure 10 Source wise breakup of Cumulative RE Generation (April-21 – November -21)

Monthly Energy Generation (108.10 BU) Nov 2021

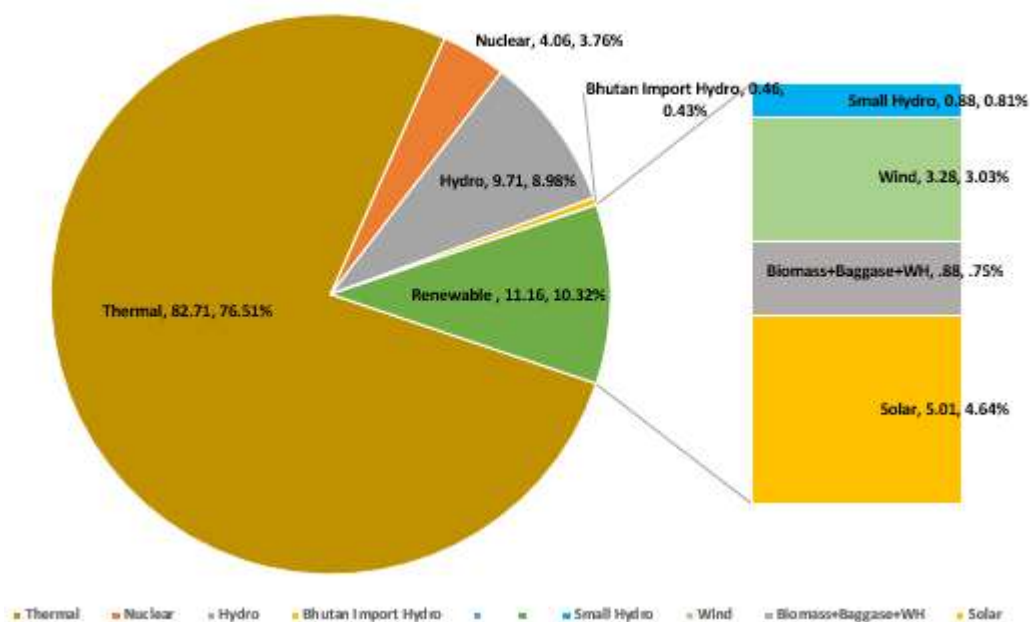


Figure 11 Total Energy Generation in India and Share of RE in the month of November -21

Cumulative Energy Generation (994.97 BU) April - Nov 2021

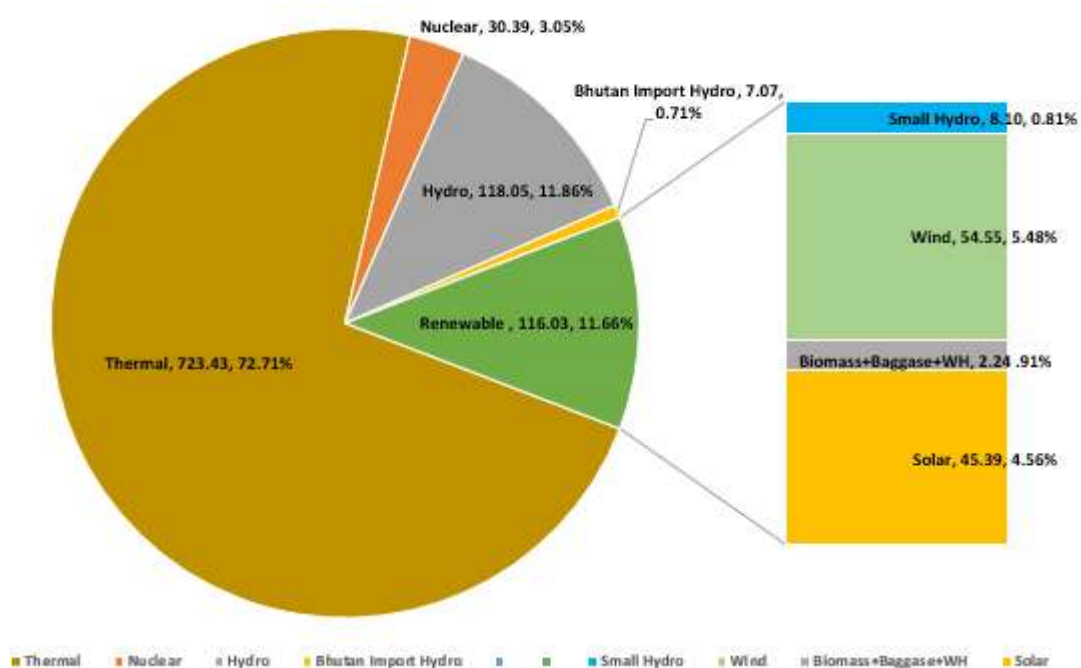


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-21 – November - 21)

Table 2 State Wise Renewable Energy Generation

Name of State/UT	RE Generation(MU) November'2021	RE Generation(MU) November'2020	RE Generation(MU) April'2021- November'2021	RE Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.22	0.29	9.54	6.28
Delhi	44.31	34.08	304.59	303.17
Haryana	90.71	50.16	657.28	456.31
Himachal Pradesh	181.60	94.53	1735.85	1924.16
J & K	15.59	18.40	328.10	355.15
Ladakh	0.00	0.00	0.00	0.00
Punjab	209.21	196.34	2290.70	1935.75
Rajasthan	1669.23	1063.92	15076.58	11371.10
Uttar Pradesh	575.62	535.51	2974.23	2641.45
Uttarakhand	71.67	109.85	573.36	917.50
Northern Region Total	2858.15	2103.07	23950.22	19910.86
Western Region				
Chhattisgarh	153.20	138.37	1263.73	988.47
Gujarat	1663.79	1473.31	16964.03	11991.39
Madhya Pradesh	512.18	574.86	6008.94	5874.62
Maharashtra	1346.74	1252.79	10081.63	8573.55
Dadra and Nagar Haveli	5.10	0.38	30.26	3.62
Daman & Diu	3.70	3.70	29.86	22.76
Goa	0.11	0.14	0.85	0.92
Western Region Total	3684.82	3443.54	34379.30	27455.33
Southern Region				
Andhra Pradesh	743.11	857.67	11176.43	9610.18
Telangana	486.06	557.45	4649.02	4351.71
Karnataka	2001.92	2475.43	19476.39	18786.33
Kerala	139.08	92.82	1127.44	808.33
Tamil Nadu	935.60	832.14	18923.23	17267.73
Lakshadweep	0.09	0.04	0.25	0.33
Puducherry	1.02	0.37	8.16	2.96
Southern Region Total	4306.88	4815.93	55360.92	50827.57
Eastern Region				
Andaman Nicobar	3.34	3.15	23.19	27.68

Name of State/UT	RE Generation(MU) November'2021	RE Generation(MU) November'2020	RE Generation(MU) April'2021- November'2021	RE Generation(MU) April'2020- November'2020
Bihar	23.62	14.19	123.85	171.85
Jharkhand	4.04	3.60	14.52	16.61
Orissa	85.83	92.21	756.93	606.58
Sikkim	1.03	5.41	8.24	38.71
West Bengal	165.56	151.71	1228.71	965.32
Eastern Region Total	283.42	270.27	2155.44	1826.75
North Eastern Region				
Arunachal Pradesh	0.17	0.17	1.37	1.36
Assam	10.53	3.58	74.44	26.62
Manipur	0.51	0.97	4.41	4.89
Meghalaya	3.62	5.90	29.63	34.75
Mizoram	3.23	5.06	15.57	30.16
Nagaland	6.37	6.73	49.63	51.72
Tripura	0.57	2.04	5.34	7.37
North Eastern Region Total	25.00	24.44	180.40	156.87
All India Total	11158.26	10657.24	116026.28	100177.39

Table 3 State Wise Wind Power Generation

Name of State/UT	Wind Power Generation(MU) November'2021	Wind Power Generation(MU) November'2020	Wind Power Generation(MU) April'2021- November'2021	Wind Power Generation(MU) April'2020- November'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	265.21	262.89	5140.47	4160.28
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	265.21	262.89	5140.47	4160.28
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1066.48	1074.57	12752.91	8999.26
Madhya Pradesh	273.69	210.74	3278.03	2900.78
Maharashtra	415.51	404.03	5938.02	5202.68
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	1755.67	1689.34	21968.96	17102.71
Southern Region				
Andhra Pradesh	273.20	314.91	5778.51	4998.38
Telangana	22.60	21.26	199.59	157.14
Karnataka	506.41	670.76	7633.96	7147.63
Kerala	5.22	6.40	105.32	102.75
Tamil Nadu	449.19	339.65	13723.43	12697.38
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	1256.62	1352.98	27440.82	25103.27
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00

Name of State/UT	Wind Power Generation(MU) November'2021	Wind Power Generation(MU) November'2020	Wind Power Generation(MU) April'2021- November'2021	Wind Power Generation(MU) April'2020- November'2020
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	3277.50	3305.21	54550.25	46367.26

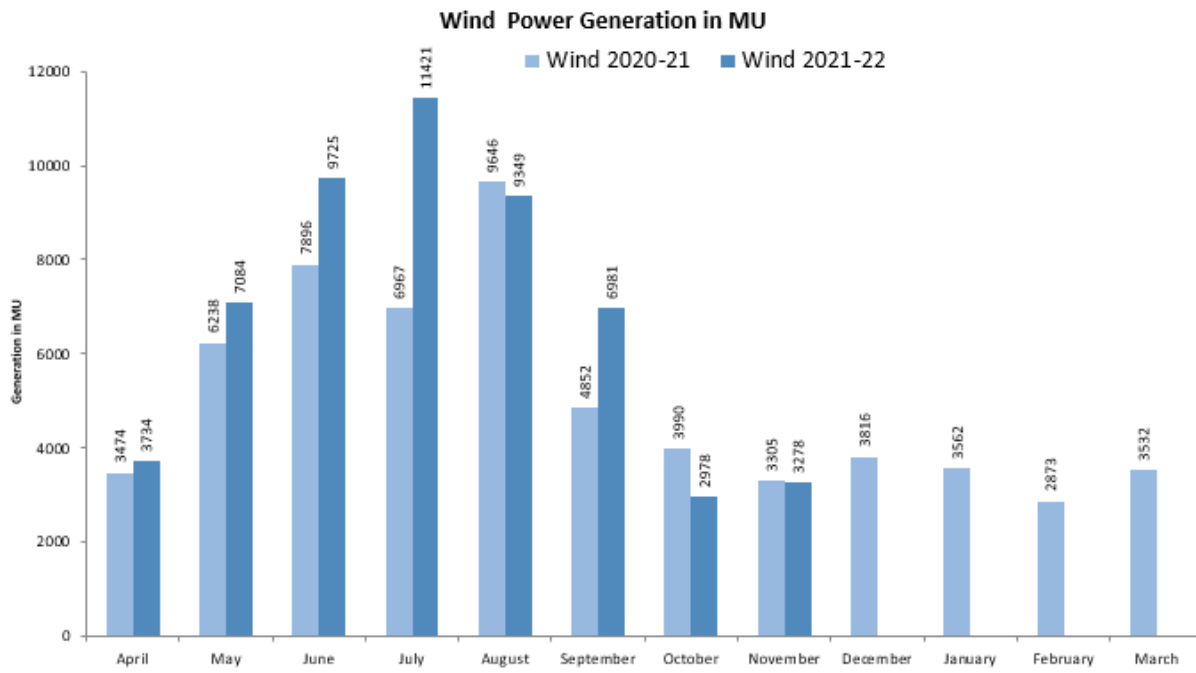


Figure 13 Monthly Wind Power Generation (2021-22 Up to November -21)

Table 4 State Wise Solar Power Generation

Name of State/UT	Solar Power Generation(MU) November'2021	Solar Power Generation(MU) November'2020	Solar Power Generation(MU) April'2021- November'2021	Solar Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.22	0.29	9.54	6.28
Delhi	20.04	17.32	145.68	138.66
Haryana	49.26	7.43	335.40	56.37
Himachal Pradesh	4.10	3.66	29.70	24.70
J & K	0.00	1.20	1.71	4.14
Ladakh	0.00	0.00	0.00	0.00
Punjab	125.01	78.31	1031.42	969.41
Rajasthan	1375.56	762.65	9684.87	6930.65
Uttar Pradesh	215.16	134.61	1880.74	1122.48
Uttarakhand	24.63	25.63	197.04	237.65
Northern Region Total	1813.97	1031.11	13316.10	9490.33
Western Region				
Chhattisgarh	35.41	32.95	269.78	234.53
Gujarat	575.19	374.32	4097.38	2799.19
Madhya Pradesh	211.59	324.04	2554.90	2751.91
Maharashtra	229.25	214.00	2080.17	1625.37
Dadra and Nagar Haveli	5.10	0.38	30.26	3.62
Daman & Diu	2.63	2.55	21.97	16.73
Goa	0.11	0.14	0.85	0.92
Western Region Total	1059.28	948.37	9055.31	7432.28
Southern Region				
Andhra Pradesh	410.68	476.96	5012.79	4280.27
Telangana	429.20	511.79	4140.83	4000.04
Karnataka	785.91	1089.44	8329.83	8710.57
Kerala	35.46	27.87	303.82	169.25
Tamil Nadu	400.70	444.85	4591.90	4032.71
Lakshadweep	0.09	0.04	0.25	0.33
Puducherry	1.02	0.37	8.16	2.96
Southern Region Total	2063.05	2551.32	22387.58	21196.13
Eastern Region				
Andaman Nicobar	1.88	1.41	13.47	16.02

Name of State/UT	Solar Power Generation(MU) November'2021	Solar Power Generation(MU) November'2020	Solar Power Generation(MU) April'2021- November'2021	Solar Power Generation(MU) April'2020- November'2020
Bihar	12.92	12.53	106.85	114.43
Jharkhand	1.48	1.66	11.70	11.02
Orissa	45.45	38.27	380.29	281.78
Sikkim	0.00	0.00	0.00	0.00
West Bengal	7.51	5.48	64.11	42.70
Eastern Region Total	69.24	59.35	576.41	465.95
North Eastern Region				
Arunachal Pradesh	0.13	0.12	1.14	1.00
Assam	7.45	0.58	45.65	3.60
Manipur	0.51	0.97	4.41	4.89
Meghalaya	0.47	0.00	0.47	0.00
Mizoram	0.09	0.02	1.34	0.18
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.57	0.49	3.90	3.89
North Eastern Region Total	9.21	2.19	56.91	13.56
All India Total	5014.74	4592.34	45392.31	38598.24

Solar Power Generation in MU

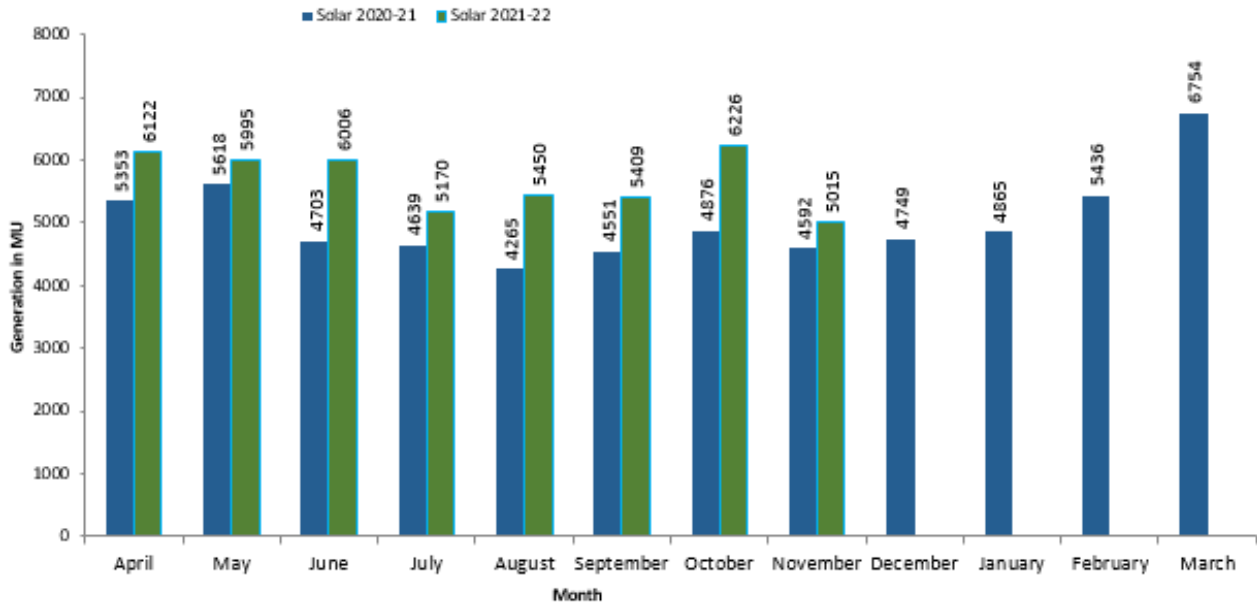


Figure 14 Monthly Solar Power Generation (2021-22 Up to November -21)

Table 5 State Wise Biomass Power Generation

Name of State/UT	Biomass Power Generation(MU) November'2021	Biomass Power Generation(MU) November'2020	Biomass Power Generation(MU) April'2021- November'2021	Biomass Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	12.26	16.29	110.00	116.86
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	49.21	53.71	368.35	381.46
Rajasthan	28.01	36.18	250.33	276.60
Uttar Pradesh	1.64	16.30	53.74	67.89
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	91.11	122.48	782.41	842.82
Western Region				
Chhattisgarh	106.25	95.81	834.39	633.40
Gujarat	0.00	0.00	0.00	43.14
Madhya Pradesh	0.00	0.04	2.62	0.29
Maharashtra	20.63	28.34	210.08	220.25
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	1.07	1.16	7.89	6.02
Goa	0.00	0.00	0.00	0.00
Western Region Total	127.95	125.35	1054.98	903.10
Southern Region				
Andhra Pradesh	5.60	10.79	72.73	88.33
Telangana	7.19	12.34	76.12	108.04
Karnataka	9.42	20.08	126.98	138.84
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	2.03	10.82	69.16	96.03
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	24.24	54.03	344.99	431.24
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	1.66	2.14	12.74
Jharkhand	0.00	0.00	0.00	0.00
Orissa	8.15	0.00	65.52	24.10
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region Total	8.15	1.66	67.66	36.84
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

Name of State/UT	Biomass Power Generation(MU) November'2021	Biomass Power Generation(MU) November'2020	Biomass Power Generation(MU) April'2021- November'2021	Biomass Power Generation(MU) April'2020- November'2020
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	251.45	303.51	2250.05	2214.00

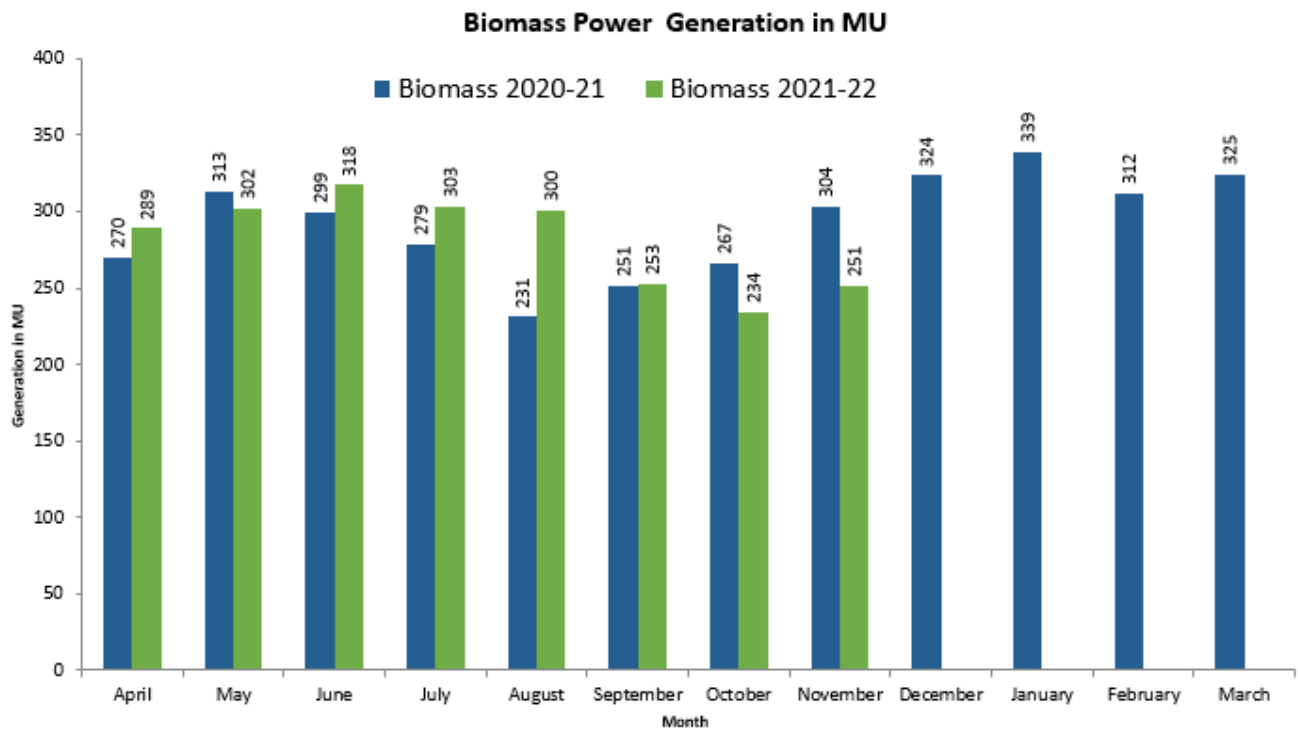


Figure 15 Monthly Biomass Power Generation (2021-22 Up to November -21)

Table 6 State Wise Bagasse Power Generation

Name of State/UT	Bagasse Power Generation(MU) November'2021	Bagasse Power Generation(MU) November'2020	Bagasse Power Generation(MU) April'2021- November'2021	Bagasse Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	0.00	5.48	14.75	55.96
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	0.24	11.54	37.20	46.44
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	341.88	374.98	928.84	1359.16
Uttarakhand	20.26	0.00	162.08	29.23
Northern Region Total	362.38	391.99	1142.87	1490.78
Western Region				
Chhattisgarh	0.00	0.00	0.00	5.08
Gujarat	3.49	4.57	7.32	7.68
Madhya Pradesh	3.04	6.01	5.91	6.01
Maharashtra	645.37	562.74	1314.73	991.33
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	651.90	573.32	1327.96	1010.10
Southern Region				
Andhra Pradesh	3.99	6.87	26.03	24.61
Telangana	5.02	1.11	7.62	1.22
Karnataka	441.36	454.57	1407.27	972.56
Kerala	4.13	4.09	32.37	30.52
Tamil Nadu	45.45	5.87	329.41	293.42
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	499.95	472.52	1802.70	1322.33
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	10.59	0.00	10.59	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	10.59	0.00	10.59	150.21
North Eastern Region				
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00

Name of State/UT	Bagasse Power Generation(MU) November'2021	Bagasse Power Generation(MU) November'2020	Bagasse Power Generation(MU) April'2021- November'2021	Bagasse Power Generation(MU) April'2020- November'2020
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	1524.82	1437.83	4284.13	3973.42

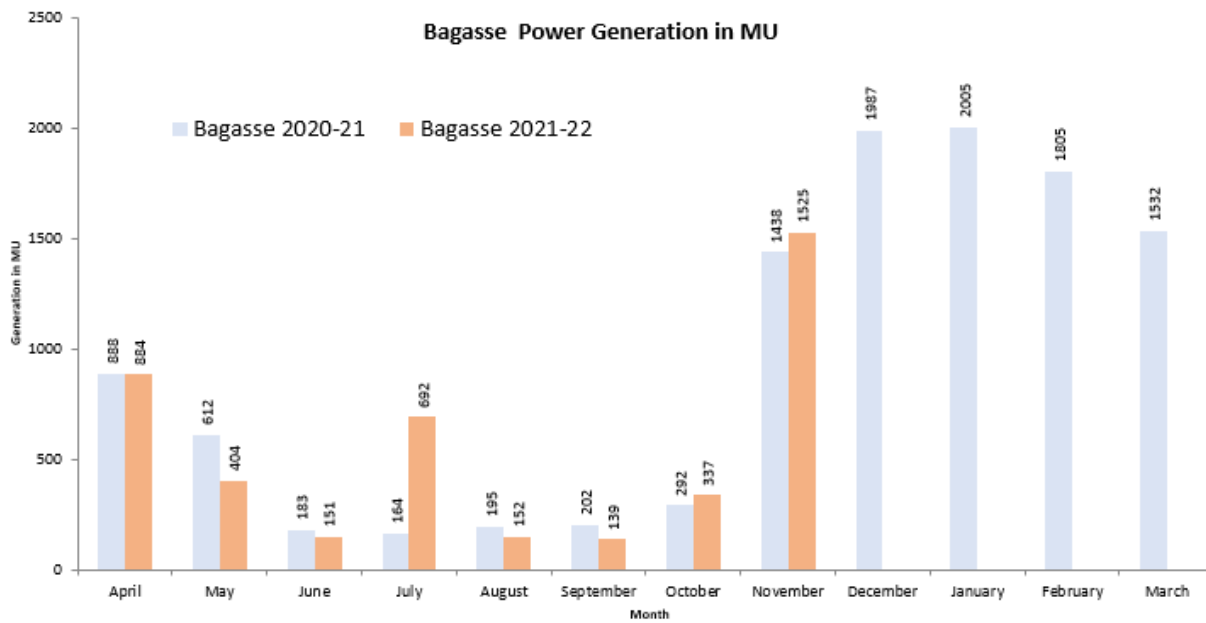


Figure 16 Monthly Bagasse Power Generation (2021-22 Up to November -21)

Table 7 State Wise Small Hydro Generation

Name of State/UT	small Hydro Power Generation(MU) November'2021	small Hydro Power Generation(MU) November'2020	small Hydro Power Generation(MU) April'2021- November'2021	small Hydro Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	24.95	20.96	188.78	227.12
Himachal Pradesh	177.50	90.87	1706.15	1899.46
J & K	15.59	17.20	326.39	351.01
Ladakh	0.00	0.00	0.00	0.00
Punjab	34.75	52.76	853.51	538.40
Rajasthan	0.45	2.21	0.90	3.58
Uttar Pradesh	10.70	9.62	104.67	91.92
Uttarakhand	26.78	84.22	214.24	650.62
Northern Region Total	290.72	277.83	3394.63	3762.11
Western Region				
Chhattisgarh	11.54	9.61	159.56	115.46
Gujarat	18.63	19.85	106.42	131.52
Madhya Pradesh	21.71	30.47	147.21	192.56
Maharashtra	35.98	43.68	538.58	533.86
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	87.86	103.61	951.76	973.41
Southern Region				
Andhra Pradesh	34.58	41.52	222.67	188.64
Telangana	9.14	9.42	64.03	40.24
Karnataka	258.83	240.58	1978.35	1816.73
Kerala	94.28	54.46	685.93	505.81
Tamil Nadu	38.23	30.95	209.33	148.19
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	435.05	376.94	3160.30	2699.61
Eastern Region				
Andaman Nicobar	1.46	1.74	9.71	11.66
Bihar	0.11	0.00	4.27	43.20
Jharkhand	2.56	0.00	2.82	0.00
Orissa	32.23	53.94	311.13	300.70
Sikkim	1.03	5.41	8.24	38.71
West Bengal	12.28	14.96	131.59	100.51
Eastern Region Total	49.67	76.05	467.76	492.82
North Eastern Region				
Arunachal Pradesh	0.04	0.05	0.23	0.36
Assam	3.08	3.00	28.79	23.01
Manipur	0.00	0.00	0.00	0.00
Meghalaya	3.15	5.90	29.16	34.75

Name of State/UT	small Hydro Power Generation(MU) November'2021	small Hydro Power Generation(MU) November'2020	small Hydro Power Generation(MU) April'2021- November'2021	small Hydro Power Generation(MU) April'2020- November'2020
Mizoram	3.15	5.04	14.23	29.98
Nagaland	6.37	6.73	49.63	50.72
Tripura	0.00	1.54	1.44	3.48
North Eastern Region Total	15.79	22.25	123.49	142.31
All India Total	879.09	856.67	8097.94	8070.27

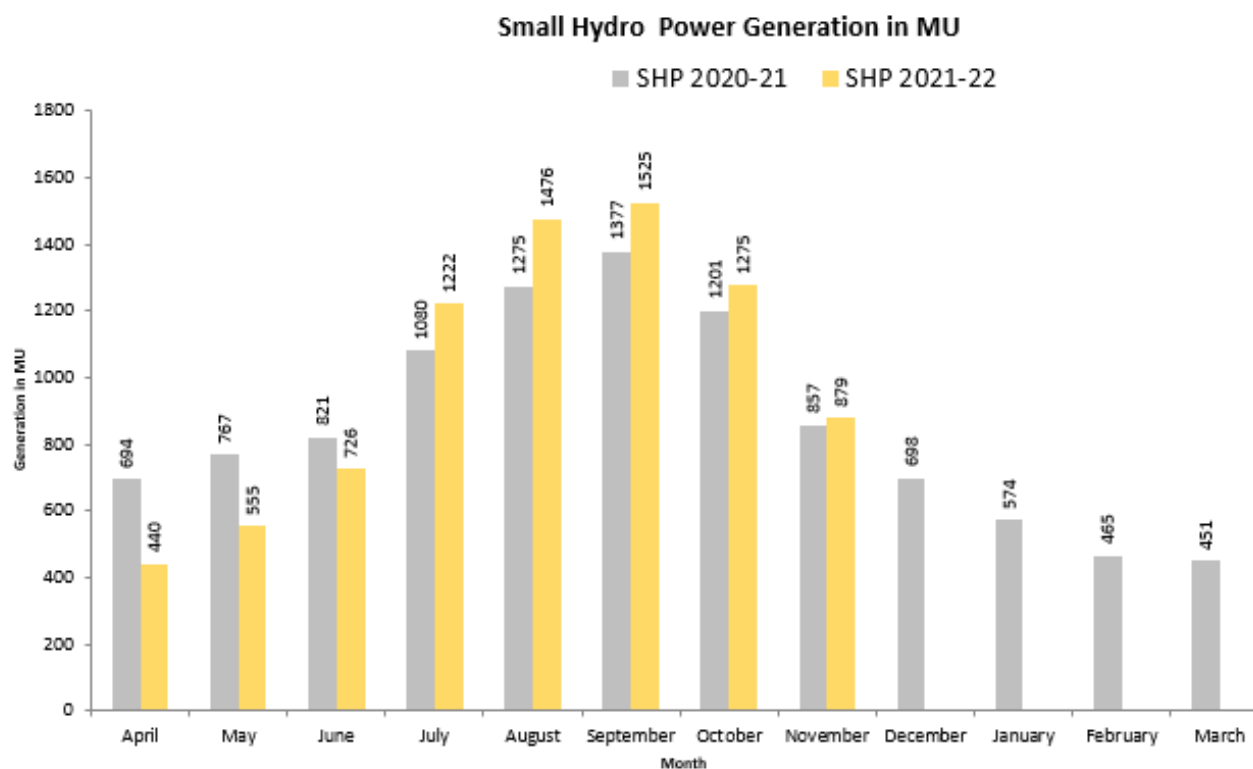


Figure 17 Monthly Small Hydro Power Generation (2021-22 Up to November -21)

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

Name of State/UT	Others Power Generation(MU) November'2021	Others Power Generation(MU) November'2020	Others Power Generation(MU) April'2021- November'2021	Others Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	24.27	16.76	158.91	164.51
Haryana	4.24	0.00	8.35	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	0.02	0.22	0.03
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	6.25	0.00	6.25	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	34.76	16.78	173.73	164.54
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	10.61
Madhya Pradesh	2.16	3.55	20.28	23.08
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	0.00	0.00	0.00	0.00
Western Region Total	2.16	3.56	20.33	33.74
Southern Region				
Andhra Pradesh	15.06	6.62	63.70	29.95
Telangana	12.90	1.52	160.84	45.04
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 Total	27.96	8.14	224.54	74.99
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	145.77	133.22	1033.01	680.93
Eastern Region Total	145.77	133.22	1033.01	680.93
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

Name of State/UT	Others Generation(MU) November'2021	Power Generation(MU) November'2020	Others Generation(MU) April'2021- November'2021	Power Generation(MU) April'2020- November'2020
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	210.65	161.70	1451.61	954.20

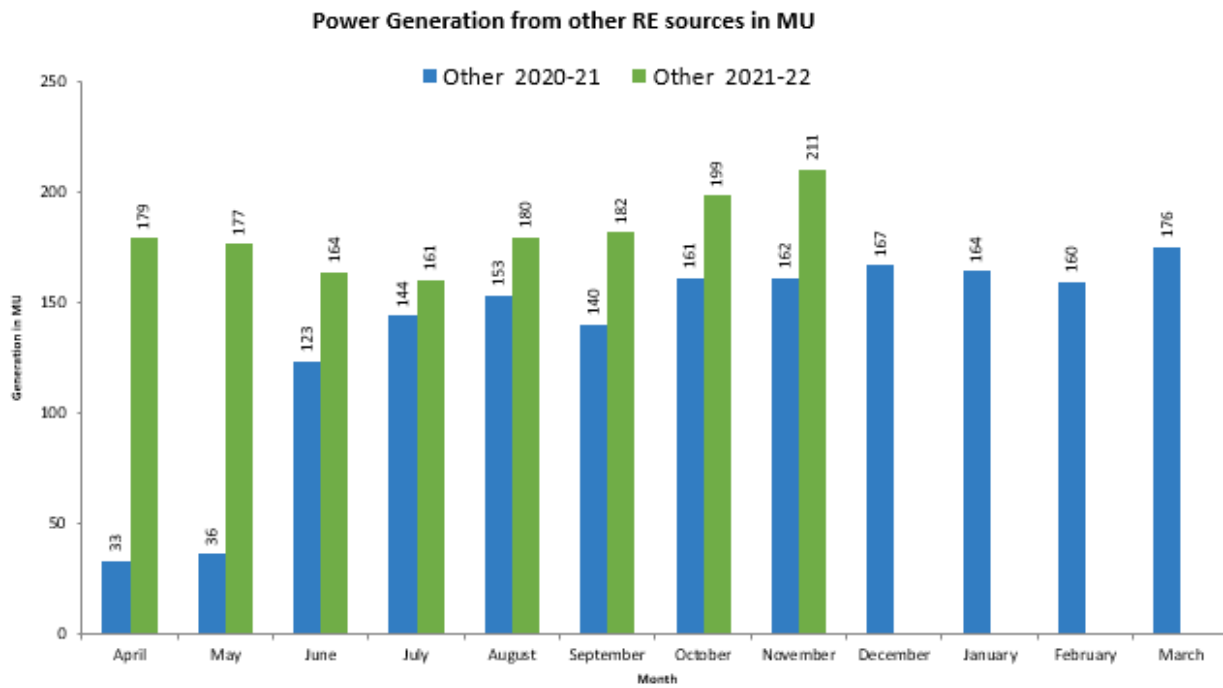


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation (2021-22 Up to November -21)

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for November 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Unchahar Solar	Uttar Pradesh	Central	NTPC	Solar	10	0.86	12.23
Dadri Solar	Uttar Pradesh	Central	NTPC	Solar	5	0.45	12.67
Singrauli Solar	Uttar Pradesh	Central	NTPC	Solar	15	1.44	13.98
Auraiya	Uttar Pradesh	Central	NTPC	Solar	20	1.97	13.94
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	50	53.65	24.84
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	IPP	Solar	250	55.41	30.78
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	200	85.52	39.59
Adani Renewable Energy Four Pvt Ltd	Rajasthan	Private	IPP	Solar	300	8.66	4.01
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	250	48.91	27.17
Mahoba Solar (Up) Private Ltd	Rajasthan	Private	IPP	Solar	200	35.61	24.73
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	130	44.56	47.61
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	50	32.09	22.28
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	300	9.2	4.26
Azure Power Forty One Private Limited	Rajasthan	Central	IPP	Solar	175	10.62	8.43
Mahindra Renewable Private Limited	Rajasthan	Central	IPP	Solar	150	47.62	26.46
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	IPP	Solar	50	44.64	20.67
SB Energy Four Pvt Ltd	Rajasthan	Central	IPP	Solar	150	36.55	33.84
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	250	43.62	24.23
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Private	IPP	Solar	200	0.67	0.47
Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	300	9.06	4.19
SB Energy Six Private Ltd.	Rajasthan	Central	IPP	Solar	50	56.71	22.50
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	150	12.15	11.25
Azure Power Thirty Four Private Ltd	Rajasthan	Central	IPP	Solar	300	25.02	11.58

Monthly RE generation from Inter State Generating Station (ISGS) for November 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Renew Sun Waves Private Limited	Rajasthan	Central	IPP	Solar	100	51.24	23.72
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Central	IPP	Solar	100	71.07	32.90
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Central	IPP	Solar	100	18.13	25.18
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Central	IPP	Solar	100	17.72	24.61
Northern Region **					3255	823.15	
ESPL RSP Solar	Madhya Pradesh	Private	IPP	Solar	200	36.88	25.61
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	250	39.13	21.74
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	250	38.80	21.56
Alfnar Wind	Gujarat	Private	IPP	Solar	400	32.64	11.33
Mahindra Solar (Badwar)	Gujarat	Private	IPP	Wind	300	38.74	17.94
TPREL RSP Solar	Gujarat	Private	IPP	Wind	100	18.89	26.24
GIPCL RSP Solar	Gujarat	Private	IPP	Wind	100	19.47	27.04
Adani Green Energy Mp Ltd(Dayapar)	Gujarat	Private	IPP	Wind	250	44.77	24.87
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	300	41.54	19.23
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	500	33.21	9.23
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	250	11.94	6.63
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	250	43.28	24.04
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	300	63.67	29.48
Renew Solar (Bhuvad)	Gujarat	Private	IPP	Wind	250	39.04	21.69
Western Region **					3000	502.01	
Beetam(Tuticorin)**	Tamil Nadu	Private	IPP	Wind	300	23.89	11.06
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	250	16.73	9.29
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	250	5.36	2.98
Mytra	Tamil Nadu	Private	IPP	Wind	200	15.71	10.91

Monthly RE generation from Inter State Generating Station (ISGS) for November 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Orange	Tamil Nadu	Private	IPP	Wind	84	19.72	32.61
Green Infra	Lakshadweep	Private	IPP	Wind	279	25.68	12.78
Acme (Biwadi)	Andhra Pradesh	Private	IPP	Solar	50	5.33	14.81
Azure	Andhra Pradesh	Private	IPP	Solar	50	4.64	12.89
Acme (Karnal)	Andhra Pradesh	Private	IPP	Solar	50	5.49	15.25
Ayana	Andhra Pradesh	Private	IPP	Solar	250	27.92	15.51
Acme (Hisar)	Andhra Pradesh	Private	IPP	Solar	50	5.36	14.89
FRV 1	Andhra Pradesh	Private	IPP	Solar	50	4.63	12.86
FRV 2	Andhra Pradesh	Private	IPP	Solar	50	5.45	15.14
NTPC	Andhra Pradesh	Private	IPP	Solar	250	18.32	10.18
SBG Energy	Andhra Pradesh	Private	IPP	Solar	250	27.63	15.35
Tata Power	Andhra Pradesh	Private	IPP	Solar	100	9.00	12.50
Spring Angitra	Andhra Pradesh	Private	IPP	Solar	250	28.85	16.03
Adyah Block 2	Karnataka	Private	IPP	Solar	50	6.22	17.28
Adyah Block 6	Karnataka	Private	IPP	Solar	50	6.27	17.42
Tata Renewables	Karnataka	Private	IPP	Solar	50	45.29	17.97
Acme (Riwari)	Karnataka	Private	IPP	Solar	50	5.66	15.72
Adyah Block 1	Karnataka	Private	IPP	Solar	50	6.12	17.00
Adyah Block 10	Karnataka	Private	IPP	Solar	50	5.90	16.39
Adyah Block 13	Karnataka	Private	IPP	Solar	50	6.01	16.69
Renew TN2	Karnataka	Private	IPP	Solar	50	4.90	13.61
Acme (Kurukshethra)	Karnataka	Private	IPP	Solar	150	5.60	5.19
Avaada Solar	Karnataka	Private	IPP	Solar	150	17.81	16.49
Avaada Solarise	Karnataka	Private	IPP	Solar	100	17.27	23.99
Azure Power Earth	Karnataka	Private	IPP	Solar	100	12.69	17.63

Monthly RE generation from Inter State Generating Station (ISGS) for November 2021

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Fortum Fin Surya	Karnataka	Private	IPP	Solar	250	10.53	5.85
Fortum Solar	Karnataka	Private	IPP	Solar	50	29.53	27.34
Kredl	Karnataka	Private	IPP	Solar	150	5.31	4.92
Parampujya	Karnataka	Private	IPP	Solar	50	16.62	15.39
Adyah Block 3	Karnataka	Private	IPP	Solar	200	6.06	4.21
SBG Energy	Karnataka	Private	IPP	Solar	400	21.65	7.52
Yarrow	Karnataka	Private	IPP	Solar	50	5.44	15.11
Southern Region **					3450	484.59	
Total					9705	1809.75	

Table 10 Renewable Energy Generation by CPSU Owned stations

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) November' 2021	RE Generation (MU)' November 2020	RE Generation (MU) April'2021-November 2021	RE Generation (MU) April'2020-November '2020
NTPC							
NTPC Faridabad_Solar	Haryana	5	Solar	0.46	0.45	4.66	4.68
NTPC Bhadla	Rajasthan	260	Solar	34.05	30.52	299.14	298.06
NTPC Dadri_Solar *	Uttar Pradesh	5	Solar	0.46	0.48	4.44	4.64
NTPC Unchahar_Solar *	Uttar Pradesh	10	Solar	0.88	1.08	8.19	10.48
NTPC Singrauli_Solar *	Uttar Pradesh	15	Solar	1.51	1.73	13.17	14.07
NTPC Auraiya	Uttar Pradesh	20	Solar	2.01	0.45	22.26	0.45
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	0.00	0.00	13.72	13.70
NTPC Rojmal	Gujarat	50	Wind	8.12	7.41	69.41	55.41
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	6.04	6.14	47.66	51.74
NTPC Mandsaur	Madhya Pradesh	250	Solar	30.99	33.23	247.05	262.43
NTPC Anantapuram	Andhra Pradesh	250	Solar	19.04	25.36	240.14	243.40
NTPC Ramagundam	Telangana	27.5	Solar	2.86	1.24	10.03	8.99
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.45	0.40	3.28	3.11
NTPC Talchar_Solar	Orissa	10	Solar	1.00	1.14	8.63	8.97
NTPC Solar_Bilhaur	Uttar Pradesh	225	Solar	33.25	0.00	311.41	0.00
Simhadri Floating Project	Andhra Pradesh	25	Solar	3.93	0.00	13.22	0.00
Total NTPC		1215.5		145.05	109.63	1316.41	980.14
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	3.53	6.00	56.42	52.99
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	12.72	12.92	109.13	92.31
THDC Solar Kasaragod	Kerala	50	Solar	6.73	0.03	51.73	0.27
THDCIL's premises at Rishikesh	Uttar Pradesh	0.5	Solar	4.88	9.09	5.10	44.03
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	0.04	0.00	30.03	0.00
Total THDC		187.5		27.90	28.04	252.40	189.60
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	3.47	2.42	60.47	45.28
NHPC Solar Power Project	Tamilnadu	50	Solar	4.76	6.43	57.41	60.93
Total NHPC		100		8.23	8.85	117.87	106.20
ONGC*							
ONGC Wind, Bhuj	Gujarat	51.00	Wind	3.00	4.08	71.31	48.87
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	4.70	3.79	116.22	91.10
ONGC Solar, Goa	Goa	1.00	Solar	0.11	0.14	0.89	0.92
ONGC Solar, Hazira	Gujarat	10.00	Solar	1.19	1.22	9.34	9.71

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) November' 2021	RE Generation (MU)' November 2020	RE Generation (MU) April'2021-November 2021	RE Generation (MU) April'2020-November '2020
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.68	0.54	4.40	5.25
ONGC Solar,Rajahmundry	Andhra Pradesh	1.00	Solar	0.06	0.87	0.71	1.54
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.13	0.11	0.89	0.42
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.00	0.42	0.54	1.18
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.37	0.39	3.56	3.16
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.15	1.34	1.13	2.35
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.13	0.11	0.96	0.98
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.03	0.19	0.18
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.01	0.02
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.01	0.06	0.05
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0	0.00	0.00	0.00
Total ONGC		184.05		10.55	13.04	210.21	165.74
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	2.10	1.93	48.88	54.94
Sadla Wind Power	Gujarat	50.00	Solar	7.10	6.26	73.99	59.94
Charanka Solar Power	Gujarat	5.60	Solar	0.64	0.64	5.27	4.25
Total SJVN		103.2		9.84	8.82	128.14	119.13
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	2.88	1.93	17.16	16.85
Oil India Ltd	Rajasthan	67.6	Wind	1.79	2.68	59.41	49.00
Oil India Ltd	Gujarat	43.3	Wind	7.59	8.89	63.09	56.16
Oil India Ltd	Madhya Pradesh	63.2	Wind	8.20	6.61	90.51	85.84
Total Oil India Ltd		188.1		20.46	20.11	230.17	207.86
NEEPCO							
NEEPCO	Tripura	5	Solar	0.55	0.47	3.59	3.08
DVC							
DVC	West Bangal	0.08	Solar	0.01	0.01	2.97	0.02
DVC	Jharkhand	4	Small Hydro	2.56	1.95	12.23	3.50
Total DVC		4.08		2.57	1.96	15.20	3.52
All India Total		1987.43		225.14	190.92	2274.00	1775.27

Table 11 RE Curtailment Data as available from SLDC

Renewable Energy Curtailment for the month of November -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 November 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
ACME CHITTORGARH ENERGY PVT LTD.	Solar	42.74	44.56	1.82
ADANI HYBRID ENERGY JAISALMER ONE LIMITED SOLAR	Solar	76.50	71.07	-5.43
ADANI RENEWABLE ENERGY FOUR PVT LTD	Solar	0.63	0.67	0.03
ADANI HYBRID ENERGY JAISALMER THREE LIMITED	Solar	24.24	18.13	-6.11
ADANI HYBRID ENERGY JAISALMER TWO LIMITED	Solar	11.82	17.72	5.90
MAHOBA SOLAR (UP) PRIVATE LTD	Solar	41.53	35.61	-5.93
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Solar	9.12	9.20	0.08
MAHINDRA RENEWABLE PRIVATE LIMITED	Solar	9.20	8.66	-0.54
AURAIYA SOLAR	Solar	2.18	1.97	-0.20
AZURE POWER FORTY ONE PRIVATE LIMITED	Solar	11.35	10.62	-0.73
AZURE POWER FORTY THREE PRIVATE LTD	Solar	85.21	85.52	0.31
AZURE POWER THIRTY FOUR PRIVATE LTD	Solar	26.01	25.02	-1.00
AZURE POWER INDIA PVT LTD	Solar	33.86	32.09	-1.77
CLEAN SOLAR POWER (BHADLA) PVT LDT	Solar	61.72	55.41	-6.31
DADRI SOLAR	Solar	0.61	0.45	-0.16
RENEW SOLAR ENERGY (JHARKHAND THREE) PVT LTD	Solar	45.25	44.64	-0.61
RENEW SOLAR POWER PVT LTD	Solar	9.10	9.06	-0.04
RENEW SOLAR URJA	Solar	0.00	0.58	0.58
RENEW SUN BRIGHT	Solar	18.75	19.41	0.67
RENEW SUN WAVES PRIVATE LIMITED	Solar	50.02	51.24	1.22
RENEW SOLAR POWER PVT LTD. BIKANER	Solar	44.08	43.62	-0.46
SB ENERGY FOUR PVT LTD	Solar	37.89	36.55	-1.35
SB ENERGY SIX PRIVATE LTD.	Solar	59.36	56.71	-2.65
SBSR POWER CLEANTECH ELEVEN PRIVATE LIMITED	Solar	9.85	12.15	2.30
SINGRAULI SOLAR	Solar	1.53	1.44	-0.09
Tata Power Renewable Energy Ltd	Solar	55.83	48.91	-6.91
UNCHAHAH SOLAR	Solar	1.06	0.86	-0.20
Western Region				
ACME Solar (RAMNAGAR)	Solar	38.80	40.44	1.64
ADANI GREEN ENERGY	Wind	44.77	52.37	7.60
ALFANARWIND_SECI-III	Wind	32.64	22.36	-10.29
ARINSUN SOLAR (BARSITADESH)	Solar	39.13	39.92	0.80
GIWEL - II WIND (VADVA)	Wind	41.54	36.22	-5.32
GIWEL - III WIND (NARANPAR)	Wind	33.21	25.56	-7.65
IWISL WIND (DAYAPAR)	Wind	11.94	16.82	4.88
MAHINDRA SOLAR (BADWAR)	Solar	38.74	39.78	1.04
OSTRO WIND (KUTCH)	Wind	43.28	35.34	-7.94
RENEW WIND ENERGY AP2 SECI-III	Wind	63.67	59.86	-3.81

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of November 2021				
RENEW SOLAR (BHUVAD)	Solar	39.04	33.21	-5.83
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
BEETAM	Wind	21.35	23.89	2.54
GIREL	Wind	33.45	39.78	6.33
MYTRAH	Wind	26.42	15.71	-10.71
ORANGE	Wind	25.56	19.72	-5.84
SPRNG RENEWABLE ENERGY PVT LTD(PUGALUR)	Wind	17.60	16.73	-0.87

+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 November 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	0.22	0.22	100.00
Delhi	0.00	371.86	0.00	0.00	44.31	416.17	10.65
Haryana	1570.27	0.00	0.00	0.00	90.71	1660.98	5.46
HP	0.00	0.00	0.00	1659.39	181.60	1840.99	100.00
J & K	0.00	0.00	0.00	758.43	15.59	774.02	100.00
Ladakh	0.00	0.00	0.00	21.28	0.00	21.28	100.00
Punjab	1462.85	0.00	0.00	263.42	209.21	1935.48	24.42
Rajasthan	4322.48	122.16	601.70	48.54	1669.23	6764.11	34.29
Uttar Pradesh	8943.38	8.86	304.94	85.82	575.62	9918.62	9.74
Uttarakhand	0.00	0.00	0.00	912.56	71.67	984.23	100.00
Northern Region	16298.98	502.88	906.64	3749.44	2858.15	24316.09	30.90
Chhattisgarh	10201.51	0.00	0.00	6.25	153.20	10360.96	1.54
Gujarat	3363.04	212.77	324.00	212.48	1663.79	5776.08	38.09
Madhya Pradesh	10716.81	0.00	0.00	343.16	512.18	11572.15	7.39
Maharashtra	9246.21	403.83	778.19	307.39	1346.74	12082.36	20.13
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	5.10	5.10	100.00
Daman & Diu	0.00	0.00	0.00	0.00	3.70	3.70	100.00
Goa	0.00	0.00	0.00	0.00	0.11	0.11	100.00
Western Region	33527.57	616.60	1102.19	869.28	3684.82	39800.46	14.21
Andhra Pradesh	3530.15	129.88	0.00	331.14	743.11	4734.28	22.69
Telangana	3768.31	0.00	0.00	483.60	486.06	4737.97	20.47
Karnataka	1906.58	0.00	642.60	932.19	2001.92	5483.29	65.23
Kerala	0.00	0.00	0.00	1069.34	139.08	1208.42	100.00
Tamil Nadu	3575.35	153.90	1411.20	551.86	935.60	6627.91	43.73
Lakshadweep	0.00	0.00	0.00	0.00	0.09	0.09	100.00
Puducherry	0.00	20.54	0.00	0.00	1.02	21.56	4.73
Southern Region	12780.39	304.32	2053.80	3368.13	4306.88	22813.52	42.64
Andaman Nicobar	9.54	0.00	0.00	0.00	3.34	12.88	25.95
Bihar	3320.01	0.00	0.00	0.00	23.62	3343.63	0.71
Jharkhand	2058.79	0.00	0.00	28.24	4.04	2091.07	1.54
Orissa	5339.07	0.00	0.00	357.03	85.83	5781.93	7.66
Sikkim	0.00	0.00	0.00	700.11	1.03	701.14	100.00
West Bengal	6724.08	0.00	0.00	225.02	165.56	7114.66	5.49
Eastern Region	17451.49	0.00	0.00	1310.40	283.42	19045.31	8.37
Arunachal Pradesh	0.00	0.00	0.00	281.20	0.17	281.37	100.00
Assam	344.69	304.50	0.00	49.70	10.53	709.42	8.49
Manipur	0.00	0.00	0.00	10.53	0.51	11.04	100.00
Meghalaya	0.00	0.00	0.00	46.20	3.62	49.82	100.00
Mizoram	0.00	0.00	0.00	14.61	3.23	17.84	100.00

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

State/UT	Fossil		Non Fossil				Non Fossil
Nagaland	0.00	0.00	0.00	6.25	6.37	12.62	100.00
Tripura	0.00	577.45	0.00	0.00	0.57	578.02	0.10
North Eastern Region	344.69	881.95	0.00	408.49	25.00	1660.13	26.11
All India Total	80403.12	2305.75	4062.63	9705.74	11158.26	107635.50	23.16

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 November 2021							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	0.22	0.22	100.00
Delhi	0.00	371.86	0.00	0.00	44.31	416.17	10.65
Haryana	1570.27	0.00	0.00	0.00	90.71	1660.98	5.46
HP	0.00	0.00	0.00	1659.39	181.60	1840.99	9.86
J & K	0.00	0.00	0.00	758.43	15.59	774.02	2.01
Ladakh	0.00	0.00	0.00	21.28	0.00	21.28	0.00
Punjab	1462.85	0.00	0.00	263.42	209.21	1935.48	10.81
Rajasthan	4322.48	122.16	601.70	48.54	1669.23	6764.11	24.68
Uttar Pradesh	8943.38	8.86	304.94	85.82	575.62	9918.62	5.80
Uttarakhand	0.00	0.00	0.00	912.56	71.67	984.23	7.28
Northern Region	16298.98	502.88	906.64	3749.44	2858.15	24316.09	11.75
Chhattisgarh	10201.51	0.00	0.00	6.25	153.20	10360.96	1.48
Gujarat	3363.04	212.77	324.00	212.48	1663.79	5776.08	28.80
Madhya Pradesh	10716.81	0.00	0.00	343.16	512.18	11572.15	4.43
Maharashtra	9246.21	403.83	778.19	307.39	1346.74	12082.36	11.15
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	5.10	5.10	100.00
Daman & Diu	0.00	0.00	0.00	0.00	3.70	3.70	100.00
Goa	0.00	0.00	0.00	0.00	0.11	0.11	100.00
Western Region	33527.57	616.60	1102.19	869.28	3684.82	39800.46	9.26
Andhra Pradesh	3530.15	129.88	0.00	331.14	743.11	4734.28	15.70
Telangana	3768.31	0.00	0.00	483.60	486.06	4737.97	10.26
Karnataka	1906.58	0.00	642.60	932.19	2001.92	5483.29	36.51
Kerala	0.00	0.00	0.00	1069.34	139.08	1208.42	11.51
Tamil Nadu	3575.35	153.90	1411.20	551.86	935.60	6627.91	14.12
Lakshadweep	0.00	0.00	0.00	0.00	0.09	0.09	100.00
Puducherry	0.00	20.54	0.00	0.00	1.02	21.56	4.73
Southern Region	12780.39	304.32	2053.80	3368.13	4306.88	22813.52	18.88
Andaman Nicobar	9.54	0.00	0.00	0.00	3.34	12.88	25.95
Bihar	3320.01	0.00	0.00	0.00	23.62	3343.63	0.71
Jharkhand	2058.79	0.00	0.00	28.24	4.04	2091.07	0.19
Orissa	5339.07	0.00	0.00	357.03	85.83	5781.93	1.48
Sikkim	0.00	0.00	0.00	700.11	1.03	701.14	0.15
West Bengal	6724.08	0.00	0.00	225.02	165.56	7114.66	2.33
Eastern Region	17451.49	0.00	0.00	1310.40	283.42	19045.31	1.49
Arunachal Pradesh	0.00	0.00	0.00	281.20	0.17	281.37	0.06
Assam	344.69	304.50	0.00	49.70	10.53	709.42	1.48
Manipur	0.00	0.00	0.00	10.53	0.51	11.04	4.60
Meghalaya	0.00	0.00	0.00	46.20	3.62	49.82	7.27
Mizoram	0.00	0.00	0.00	14.61	3.23	17.84	18.12

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Nagaland	0.00	0.00	0.00	6.25	6.37	12.62	50.48
Tripura	0.00	577.45	0.00	0.00	0.57	578.02	0.10
North Eastern Region	344.69	881.95	0.00	408.49	25.00	1660.13	1.51
All India Total	80403.12	2305.75	4062.63	9705.74	11158.26	107635.50	10.37

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	3.02	1.02	1.25	5.29
June ,2021	12.32	6.70	6.41	25.43
July ,2021	17.00	9.34	8.36	34.70
August,2021	16.68	9.24	8.43	34.35
September ,2021	15.31	8.70	7.73	31.74
October,2021	15.67	8.75	7.93	32.35
November,2021	12.87	7.83	6.53	27.23
All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

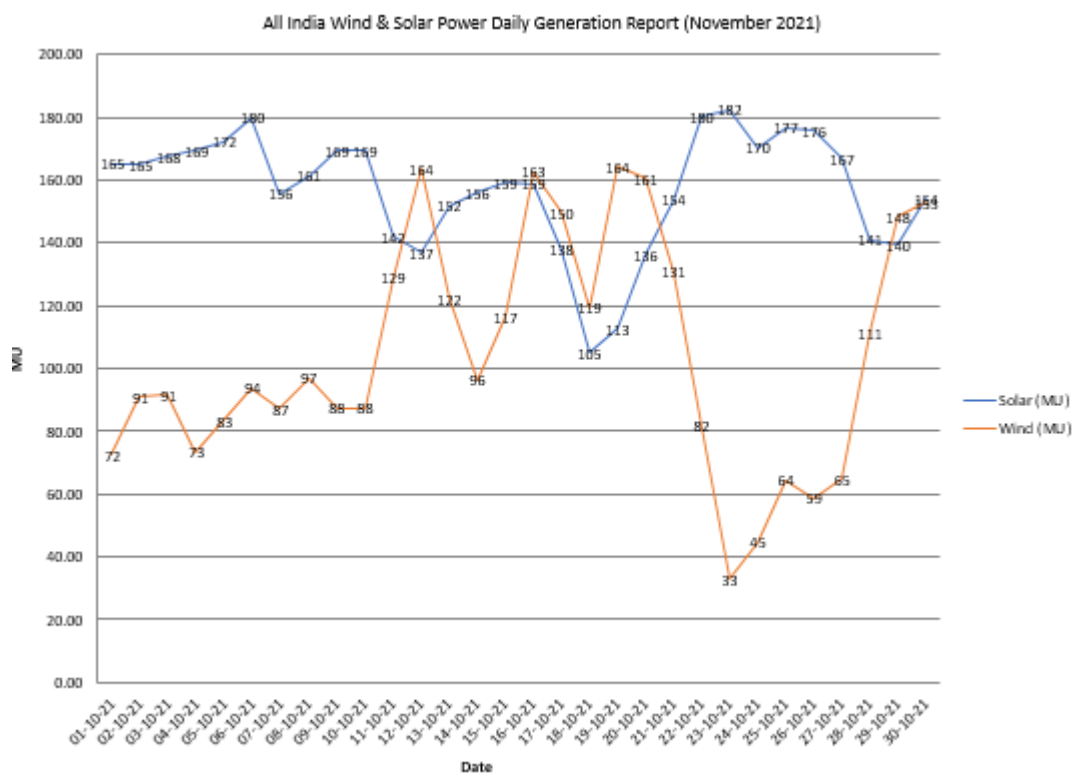


Figure 19 Daily Solar and wind Power Generation trend in the month of November -21



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