



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



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Renewable Energy Project Monitoring Division

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SUMMARY OF REPORT FOR THE MONTH OF NOVEMBER 2020

Decreased by 1.20% as compared to Oct 20.

Increased by 24.01% as compared to Nov 19

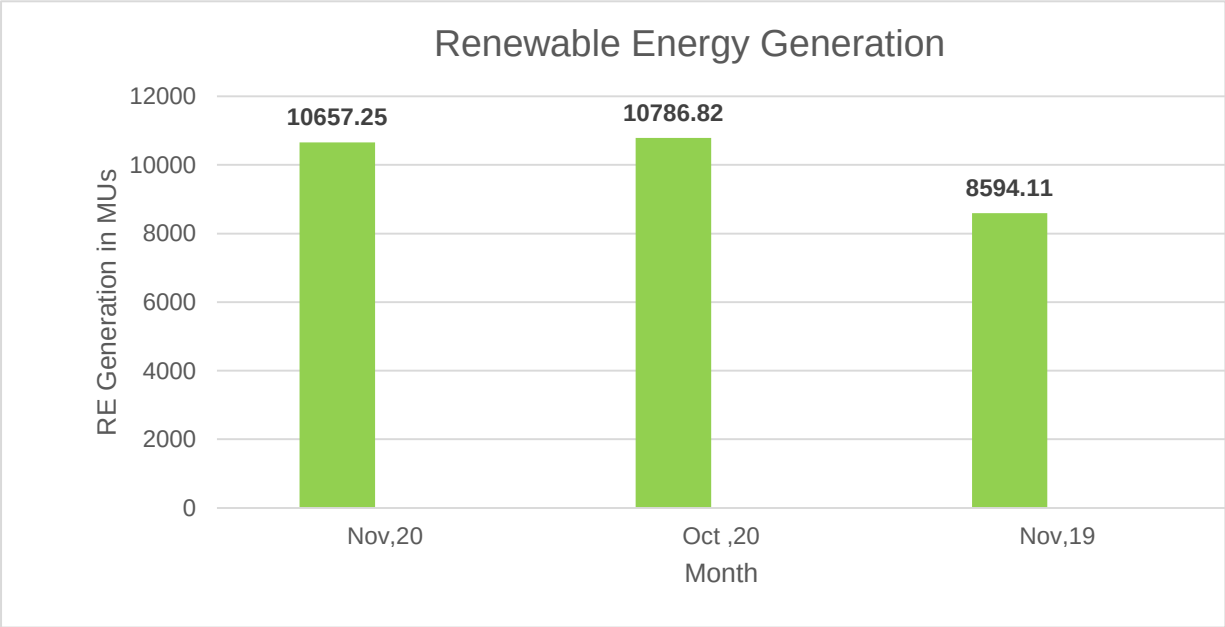


Figure 1: Renewable Energy Generation

Increased by 87.94 % as compared to Oct 20.

Decreased by 25.18 % as compared to Nov 19

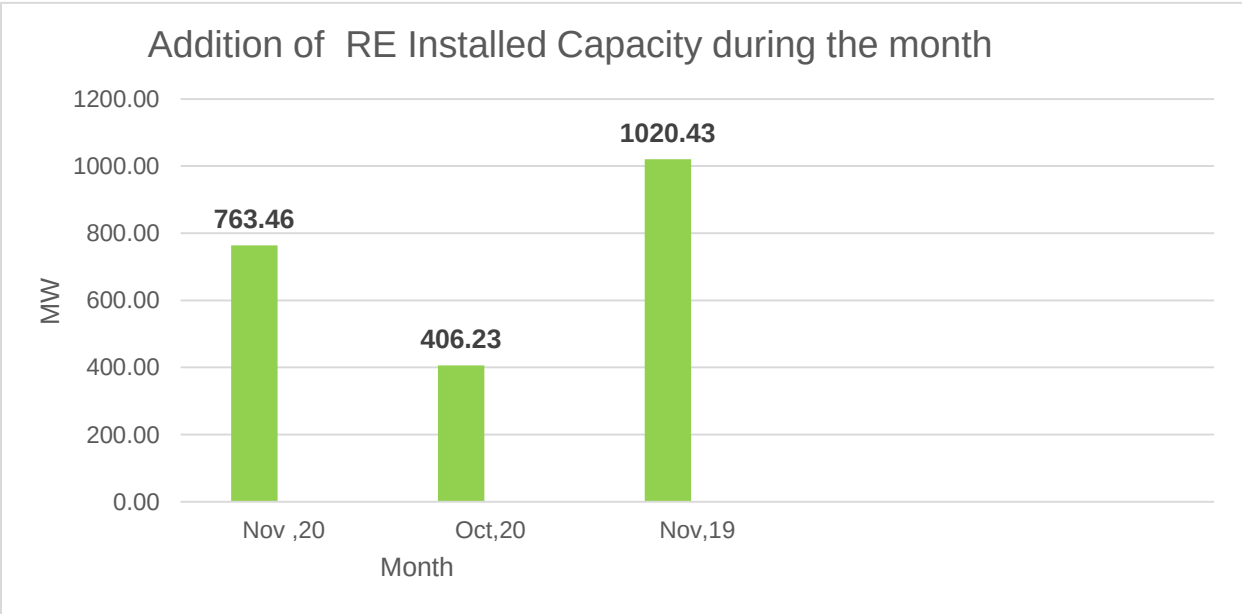


Figure 2 RE capacity added during the Month

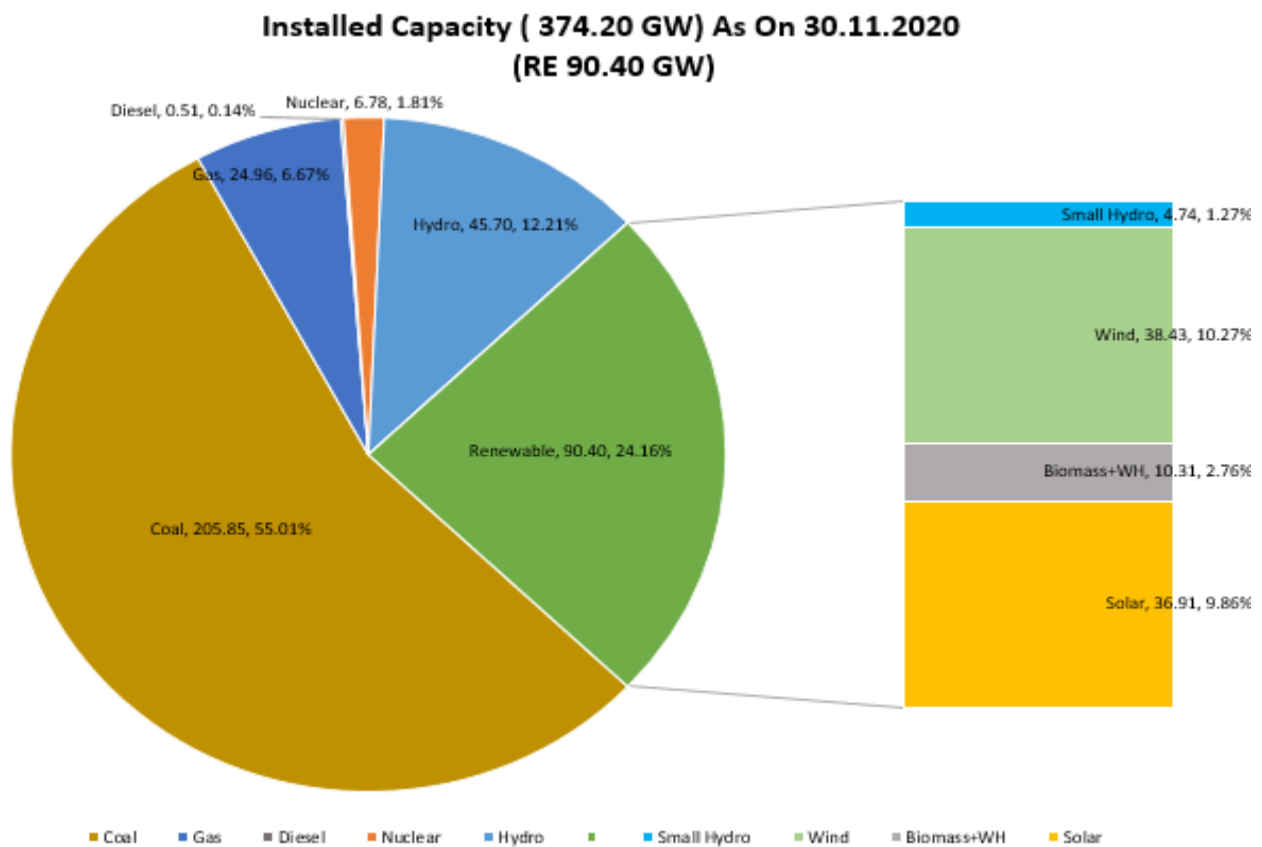


Figure 3 Installed Capacity in India as on 30.11.2020

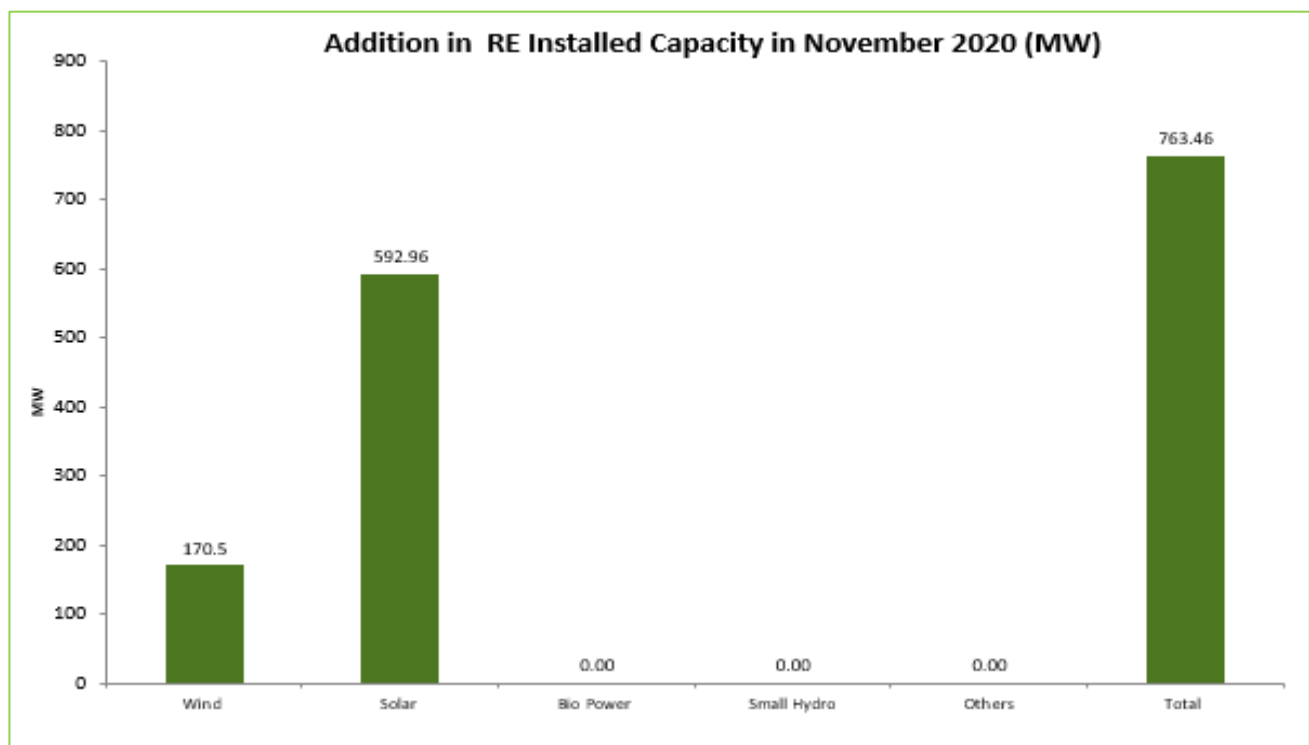


Figure 4: Source wise addition in RE Installed Capacity in Nov 20

HIGHLIGHTS OF RE GENERATION DURING NOVEMBER 2020

1. RE generation increased by 24.01 % in November 2020 as compared to November 2019.
2. Wind Power generation during the month of November 2020 decreased in Rajasthan and increased in Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh and Karnataka as compared to November 2019.
3. Daily wind generation increased by 21.34 % as compared to November 2019 and decreases by 14.39 % as compared to October 2020.
4. Solar Power generation during the month of November 2020 increased in Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Karnataka, Telangana and Tamil Nadu and decreased in Punjab as compared to November 2019.
5. Daily solar generation increased by 16.65 % as compared to November 2019 and decreased by 02.75% as compared to October 2020.
6. In West Bengal Generation from co-generation plants, which was earlier included under Bagasse is now being considered under others (Waste to energy) category. Therefore, the Overall Generation through Bagasse has been reduced and Generation through Others (Waste to Energy) has been increased as compared to last year.

ALL INDIA SUMMARY OF RENEWABLE ENERGY GENERATION

Table 1 All India Summary of Renewable Energy Generation

Source	Installed Capacity (MW) as on 30.11.2020 (as per MNRE)	RE Generation (MU) November' 2020	RE Generation (MU) November '2019	% of Last Year (2/3)	RE Generation (MU) April'2020- November ' 2020	RE Generation (MU) April'2019- November ' 2019	% Of Last Year (5/6)
	1	2	3	4	5	6	7
Wind	38433.55	3305.21	2723.82	121.34	46367.26	50453.20	91.90
Solar	36910.53	4592.34	3936.82	116.65	38598.24	30866.03	125.05
Biomass	10145.92	303.51	207.66	146.16	2214.00	1834.75	120.67
Bagasse		1437.83	862.70	166.67	3973.42	3977.05	99.91
Small Hydro	4740.47	856.67	835.54	102.53	8070.27	6991.30	115.43
Others	168.64	161.70	27.57	586.51	954.20	246.69	386.79
Total	90399.11	10657.25	8594.11	124.01	100177.39	94369.02	106.15

Additional RE generation in November 20 as compared to November 19

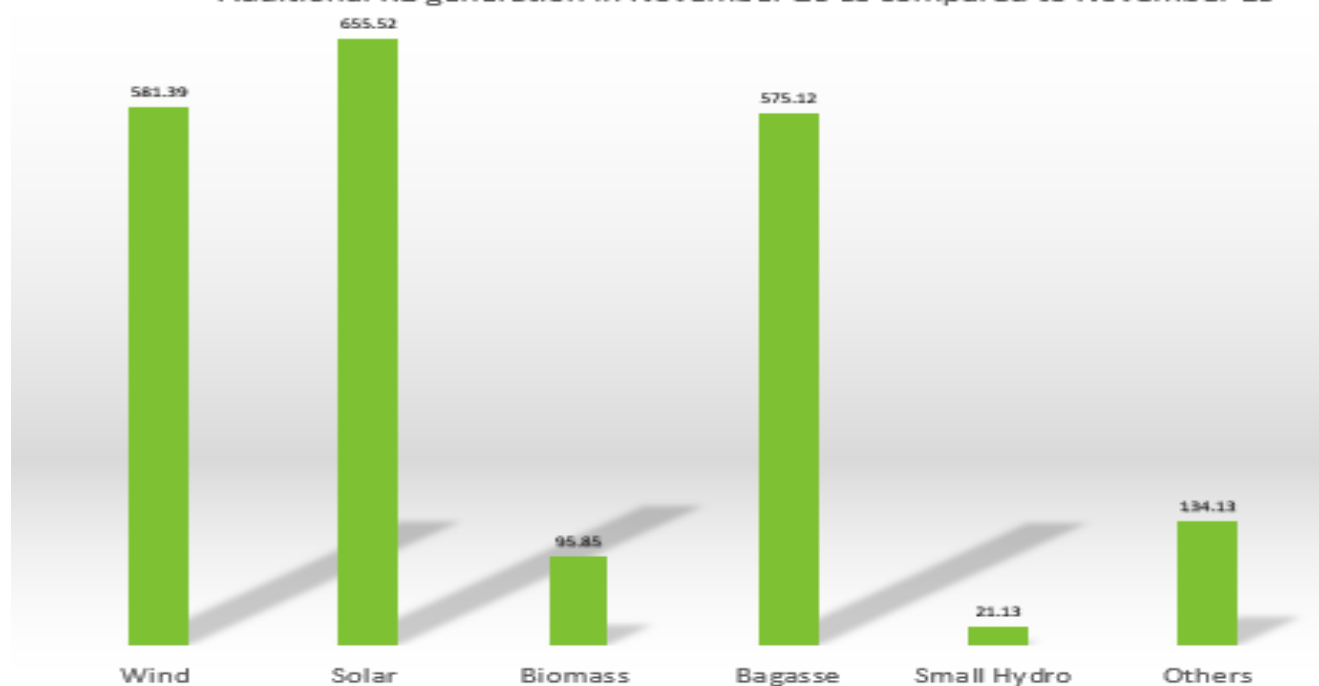


Figure 5 Additional RE Generation in Nov 20 compared to Nov 19

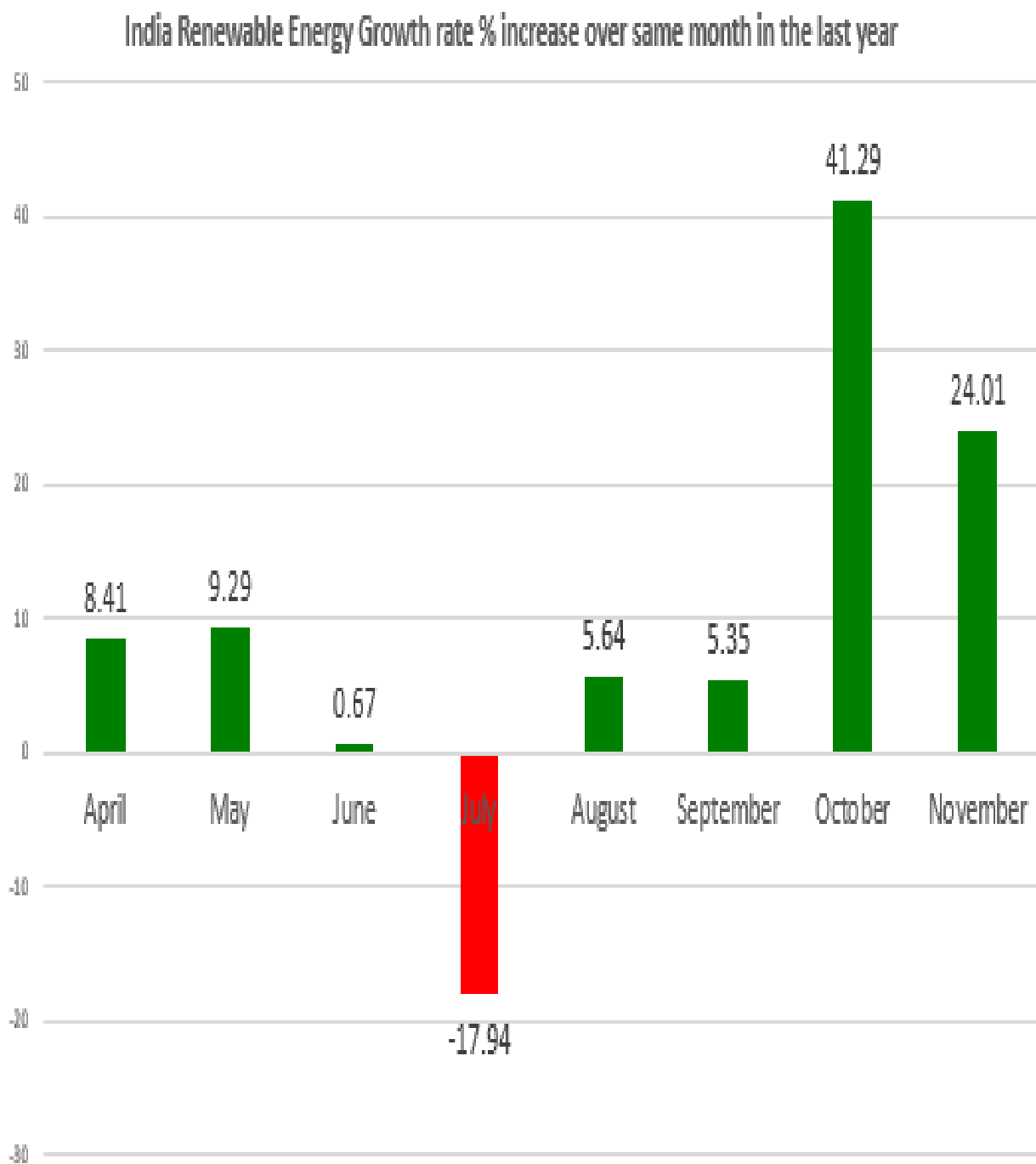
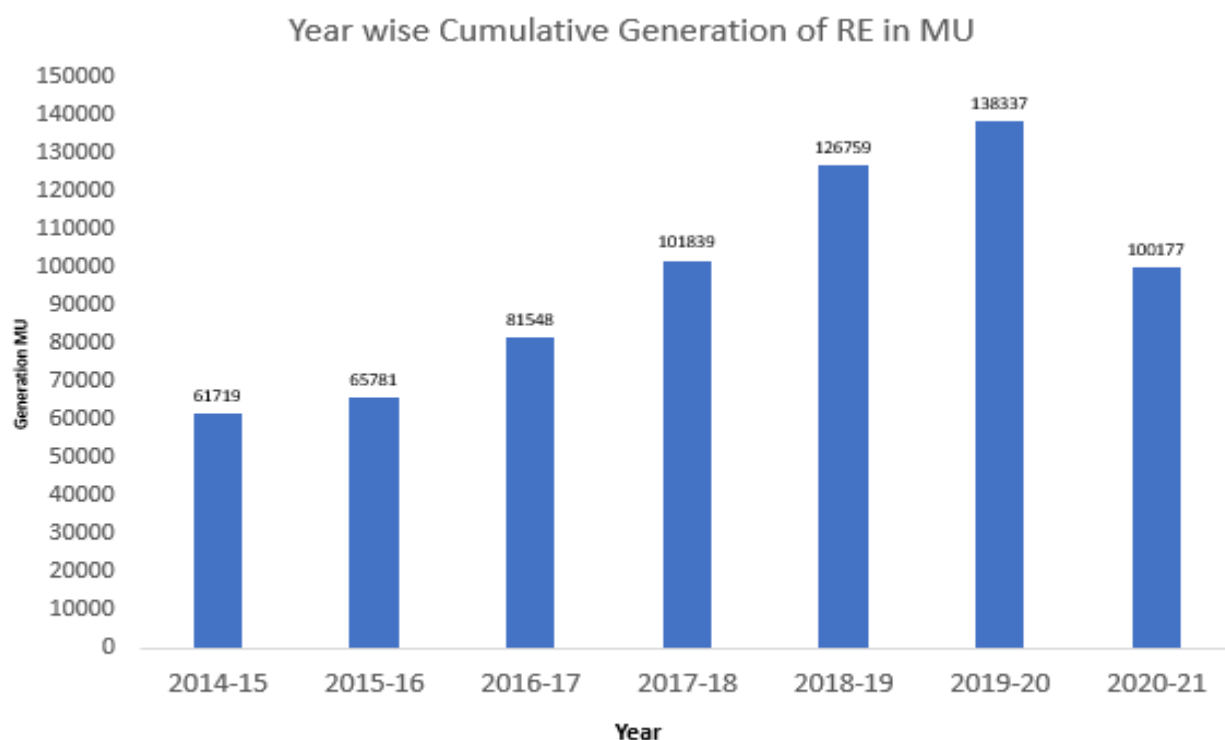


Figure 6 Month Wise Growth of RE Generation in 2020-21 compared to 2019-20



* 2020-21 RE Generation (Upto November 2020)

Figure 7 Year Wise RE Generation

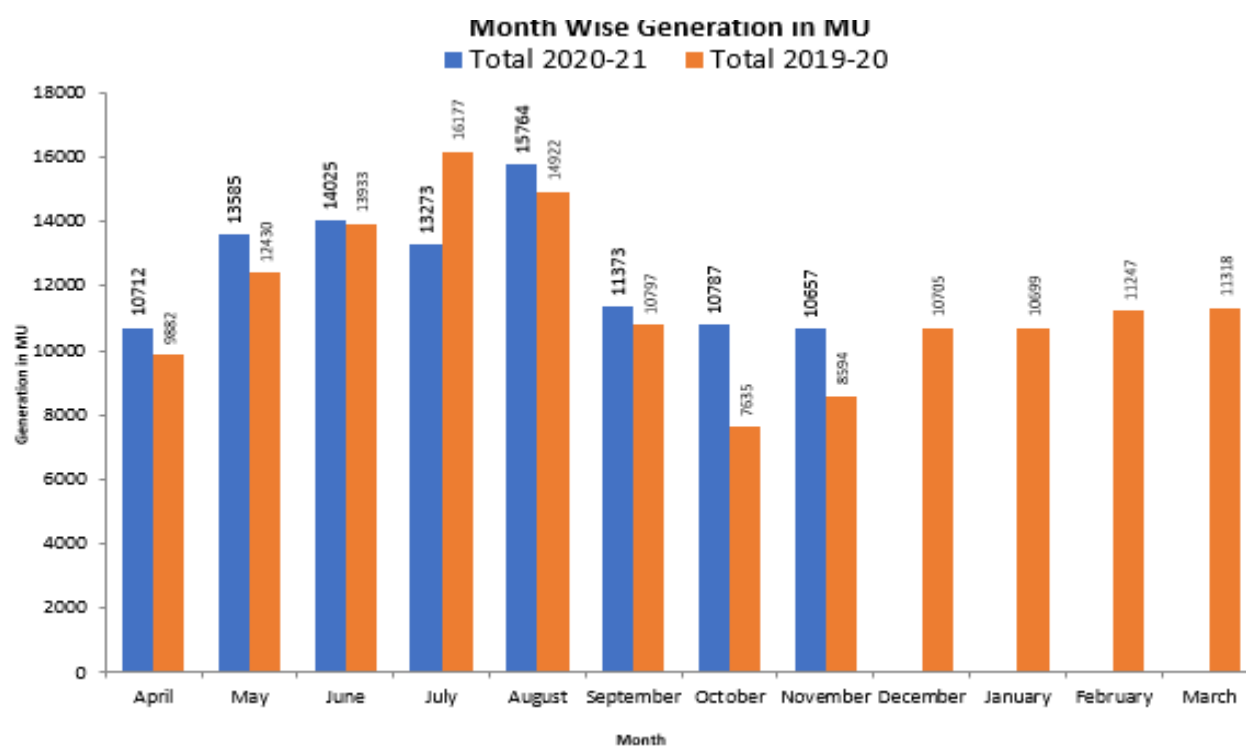


Figure 8 Comparison of Month Wise RE Generation in 2020-21 & in 2019-20

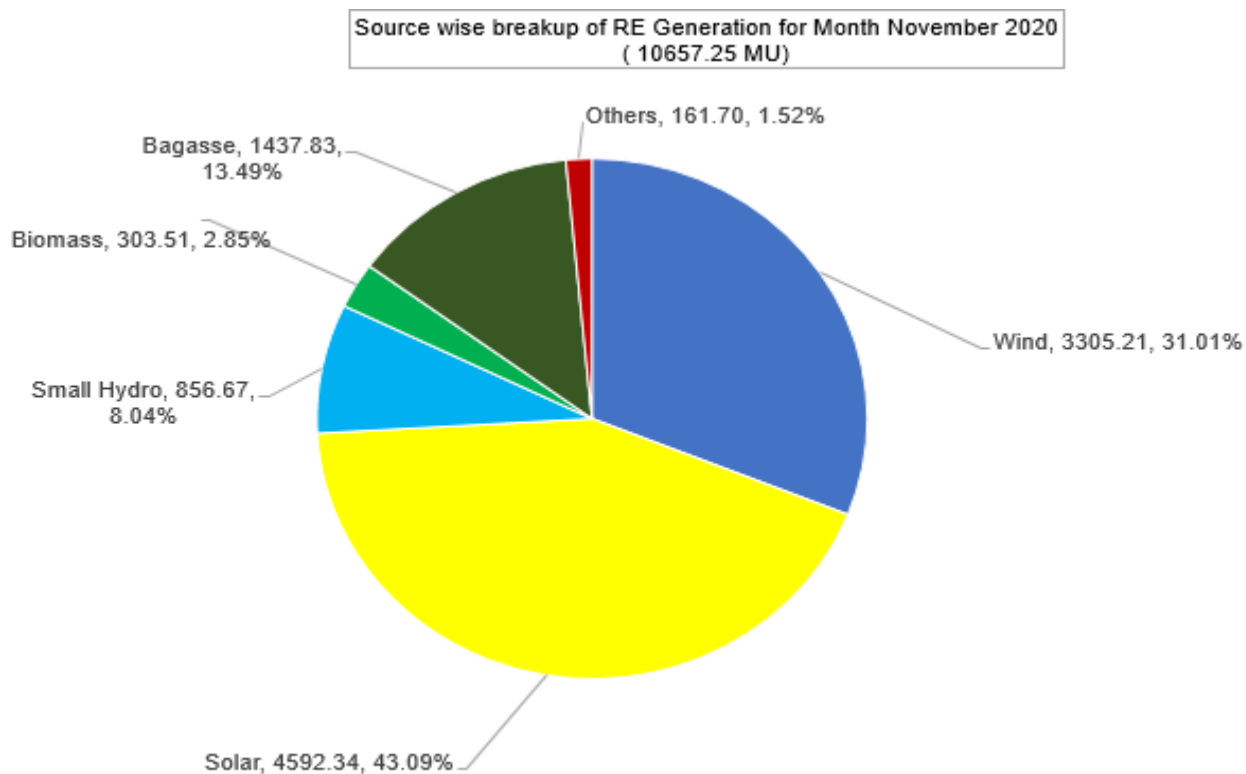


Figure 9 Source wise breakup of RE Generation in the month of Nov-20

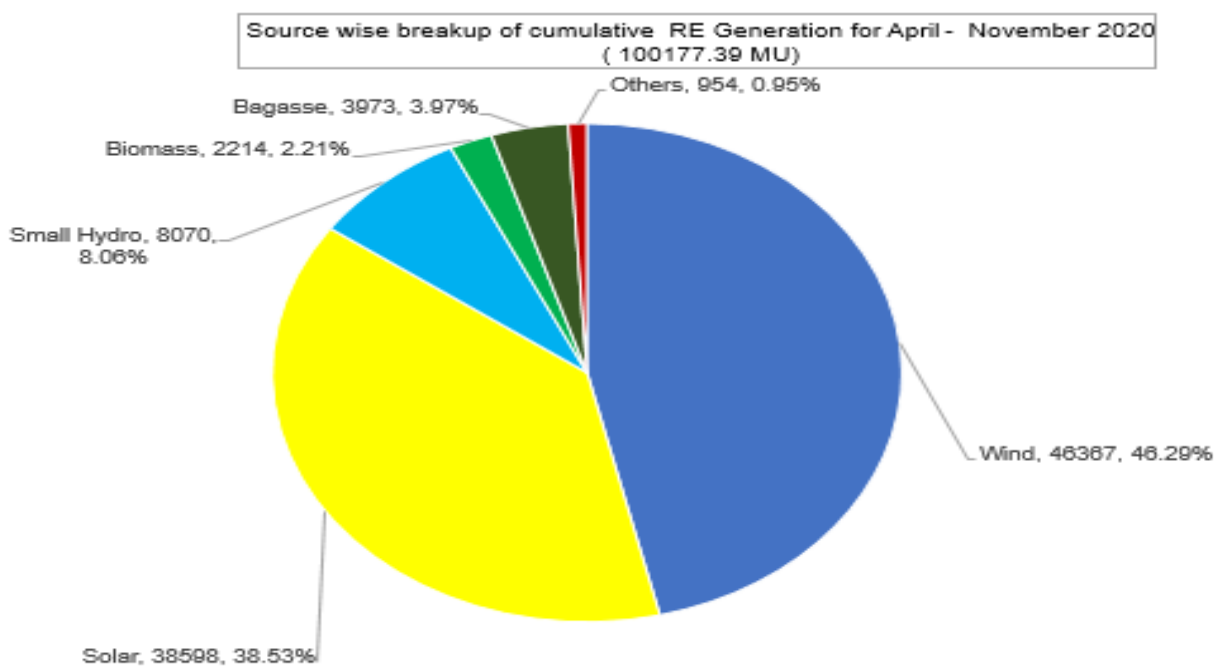


Figure 10 Source wise breakup of Cumulative RE Generation (April-20 – Nov-20)

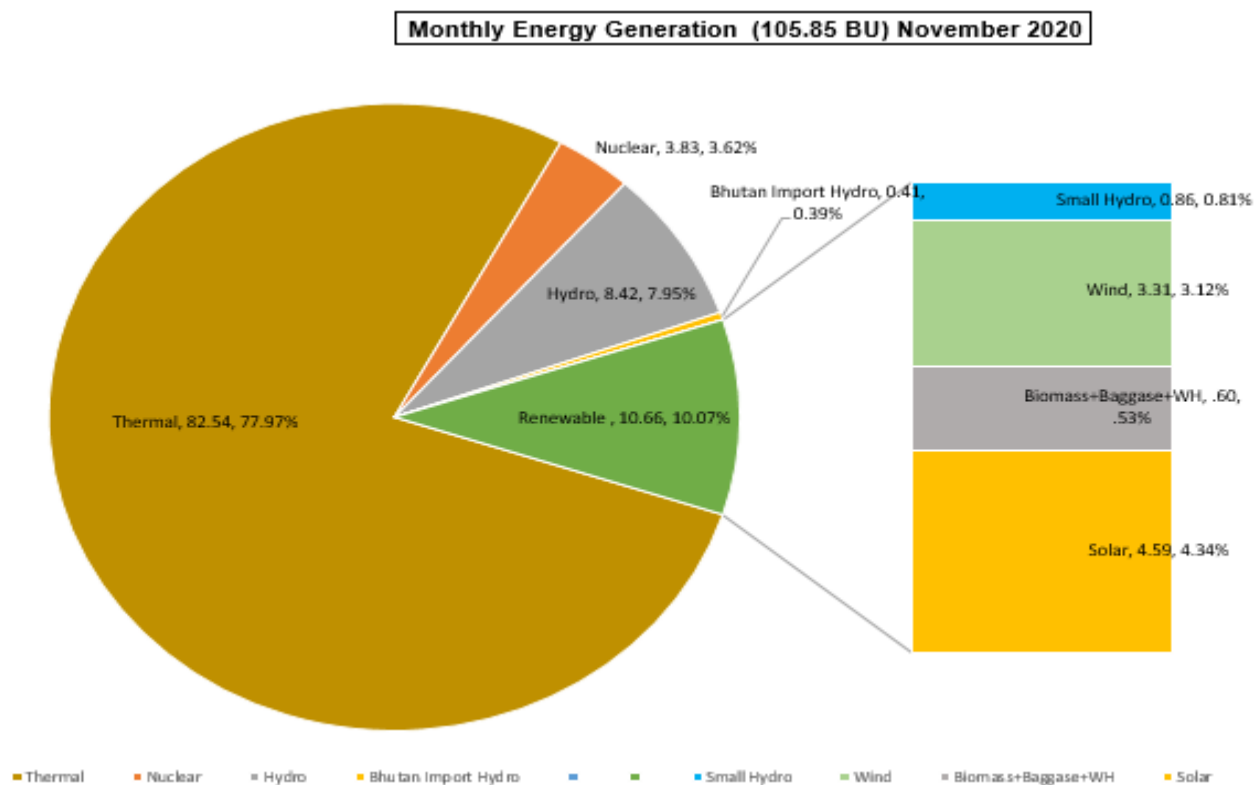


Figure 11 Total Energy Generation in India and Share of RE in the month of Nov-20

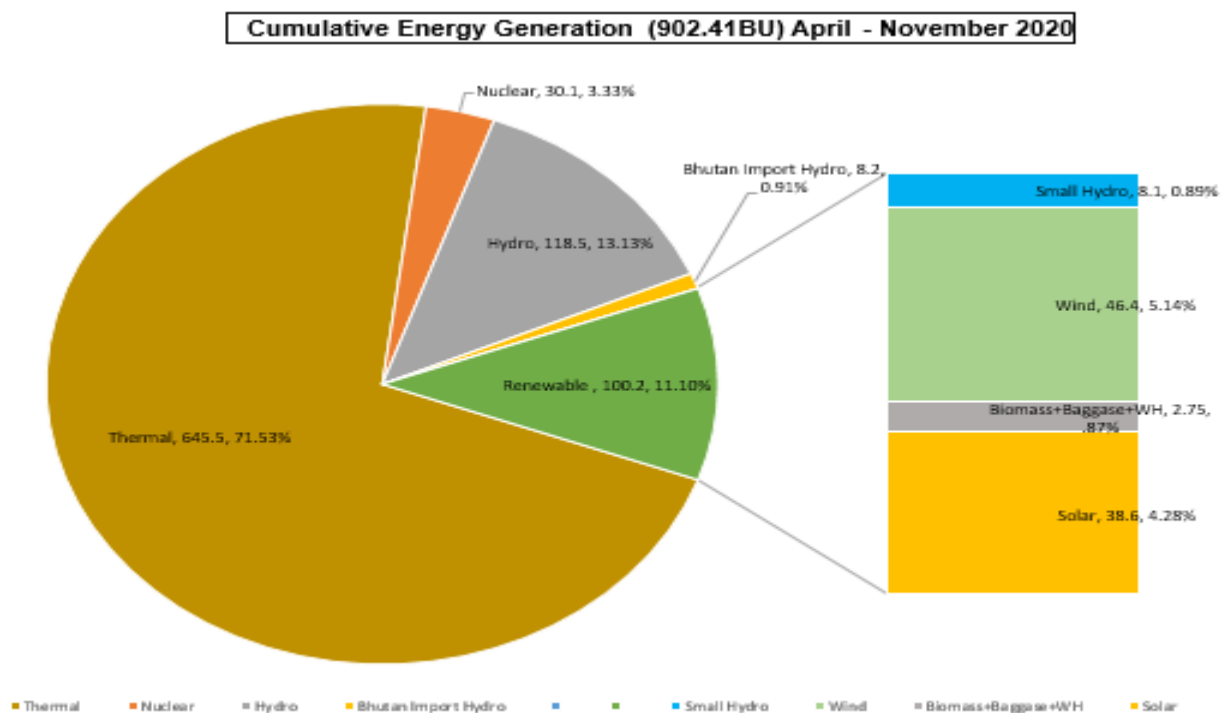


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-20 – Nov-20)

Table 2 State Wise Renewable Energy Generation

Renewable Energy Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
Chandigarh	0.29	0.24	6.28	8.26
Delhi	34.08	34.40	303.17	306.61
Haryana	50.16	52.38	456.31	458.77
HP	94.53	131.09	1924.16	1740.74
J & K	18.40	20.39	355.15	358.39
Ladakh	0.00	0.00	0.00	0.00
Punjab	196.34	154.17	1935.75	1825.46
Rajasthan	1063.92	1029.70	11371.10	9438.68
Uttar Pradesh	535.51	460.50	2641.45	2277.93
Uttarakhand	109.85	86.18	917.50	827.64
Northern Region	2103.07	1969.04	19910.86	17242.48
Chhattisgarh	138.37	89.29	988.47	714.97
Gujarat	1473.31	1114.38	11991.39	11619.94
Madhya Pradesh	574.86	426.99	5874.62	5597.99
Maharashtra	1252.79	613.43	8573.55	9555.98
Dadra and Nagar Haveli	0.38	0.51	3.62	3.90
Daman & Diu	3.70	1.78	22.76	13.36
Goa	0.14	0.14	0.92	0.26
Western Region	3443.54	2246.51	27455.33	27506.39
Andhra Pradesh	857.67	788.95	9610.18	10427.65
Telangana	557.45	545.80	4351.71	4340.79
Karnataka	2475.43	2001.42	18786.33	16731.49
Kerala	92.82	79.92	808.33	584.04
Tamil Nadu	832.14	733.13	17267.73	15504.82
Lakshadweep	0.04	0.05	0.33	0.42
Puducherry	0.37	0.38	2.96	2.66
Southern Region	4815.93	4149.64	50827.57	47591.87
Andaman Nicobar	3.15	2.12	27.68	11.55
Bihar	14.19	27.21	171.85	172.34
Jharkhand	1.65	1.22	11.00	11.00
Orissa	92.21	54.29	606.58	555.08
Sikkim	5.41	6.92	38.71	44.04
West Bengal	151.71	105.71	965.32	1043.87
DVC	1.96	0.112	5.610	0.31
Eastern Region	270.28	197.59	1826.75	1838.20
Arunachal Pradesh	0.17	0.22	1.36	1.38
Assam	3.58	7.90	26.62	34.25
Manipur	0.97	0.50	4.89	1.73
Meghalaya	5.90	6.50	34.75	40.99
Mizoram	5.06	5.05	30.16	36.55
Nagaland	6.73	8.43	51.72	58.42
Tripura	2.04	2.73	7.37	16.76
North Eastern Region	24.44	31.32	156.87	190.08
All India Total	10657.25	8594.11	100177.39	94369.02

Table 3 State Wise Wind Power Generation

Wind Power Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
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
HP	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	16.90
Rajasthan	262.89	431.08	4160.28	4504.99
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	262.89	431.08	4160.28	4521.89
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1074.57	812.02	8999.26	9244.69
Madhya Pradesh	210.74	123.08	2900.78	3256.24
Maharashtra	404.03	243.71	5202.68	6723.03
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	1689.34	1178.82	17102.71	19223.97
Andhra Pradesh	314.91	269.99	4998.38	6391.97
Telangana	21.26	14.61	157.14	162.88
Karnataka	670.76	474.58	7147.63	8045.21
Kerala	6.40	6.64	102.75	89.67
Tamil Nadu	339.65	348.11	12697.38	11962.95
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	1352.98	1113.93	25103.27	26652.68
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	54.66
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
DVC	0.00	0.00	0.00	0.00
Eastern Region	0.00	0.00	0.00	54.66
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	1.00	0.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	1.00	0.00
All India Total	3305.21	2723.82	46367.26	50453.20

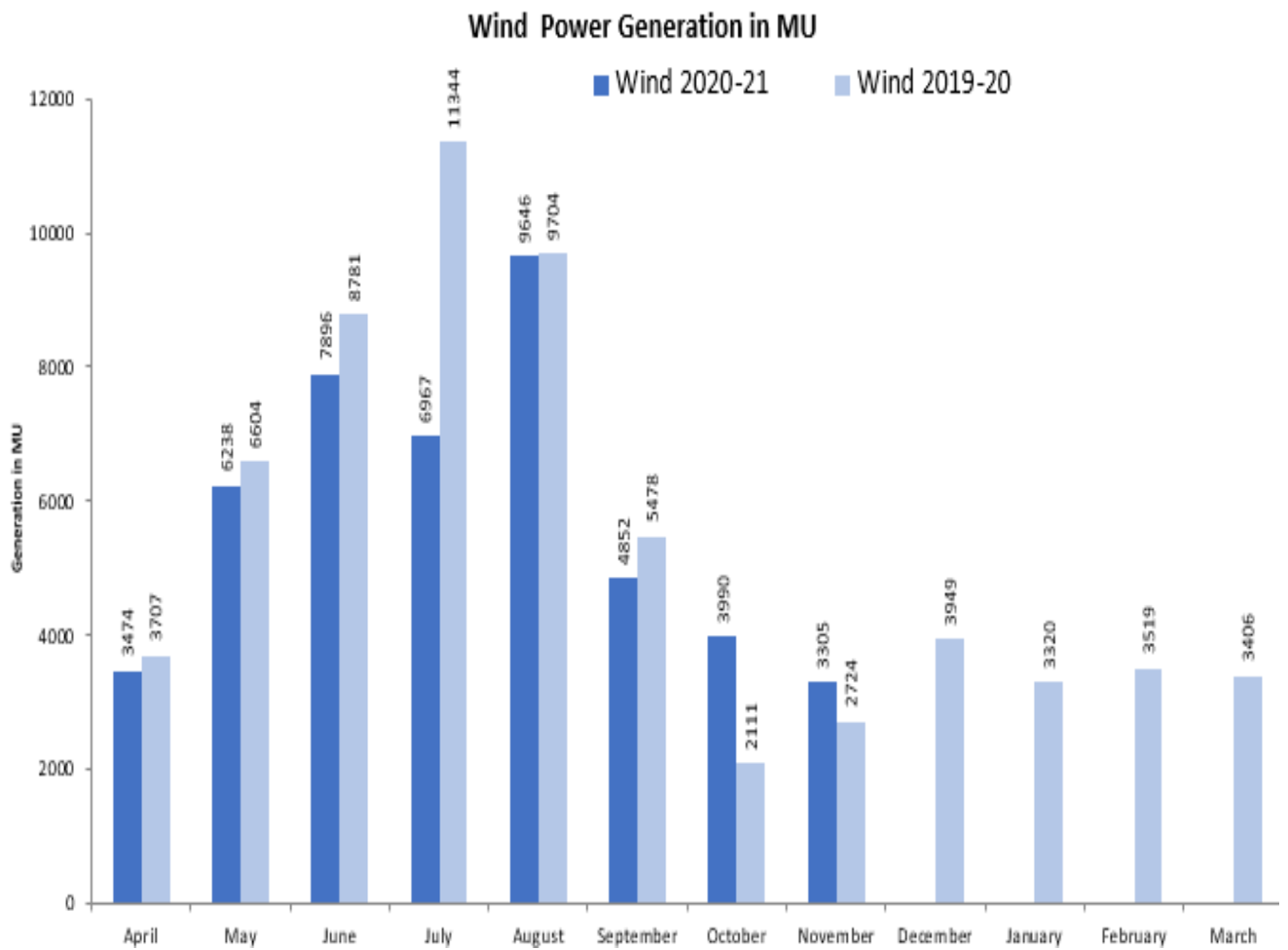


Figure 13 Monthly Wind Power Generation

Table 4 State Wise Solar Power Generation

Solar Energy Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
Chandigarh	0.29	0.24	6.28	8.26
Delhi	17.32	8.73	138.66	102.59
Haryana	7.43	14.01	56.37	82.58
HP	3.66	2.81	24.70	2.81
J & K	1.20	0.00	4.14	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	78.31	83.77	969.41	990.70
Rajasthan	762.65	563.77	6930.65	4685.19
Uttar Pradesh	134.61	108.90	1122.48	932.60
Uttarakhand	25.63	25.24	237.65	237.97
Northern Region	1031.11	807.47	9490.33	7042.70
Chhattisgarh	32.95	30.61	234.53	205.53
Gujarat	374.32	275.84	2799.19	2176.80
Madhya Pradesh	324.04	277.62	2751.91	2159.93
Maharashtra	214.00	190.48	1625.37	1517.47
Dadra and Nagar Haveli	0.38	0.51	3.62	3.90
Daman & Diu	2.55	1.78	16.73	13.36
Goa	0.14	0.14	0.92	0.26
Western Region	948.37	776.97	7432.28	6077.26
Andhra Pradesh	476.96	461.65	4280.27	3749.18
Telangana	511.79	512.27	4000.04	4041.22
Karnataka	1089.44	995.84	8710.57	6396.87
Kerala	27.87	12.81	169.25	87.77
Tamil Nadu	444.85	322.09	4032.71	3055.46
Lakshadweep	0.04	0.05	0.33	0.42
Puducherry	0.37	0.38	2.96	2.67
Southern Region	2551.32	2305.09	21196.13	17333.59
Andaman Nicobar	1.41	0.61	16.02	8.23
Bihar	12.53	14.95	114.43	108.67
Jharkhand	1.65	1.22	11.00	11.00
Orissa	38.27	24.80	281.78	233.67
Sikkim	0.00	0.00	0.00	0.00
West Bengal	5.48	4.64	42.70	41.91
DVC	0.005	0.005	0.018	0.04
Eastern Region	59.35	46.22	465.95	403.52
Arunachal Pradesh	0.12	0.17	1.00	0.92
Assam	0.58	0.66	3.60	3.92
Manipur	0.97	0.22	4.89	1.45
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.02	0.02	0.18	0.33
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.49	0.01	3.89	2.35
North Eastern Region	2.19	1.07	13.56	8.96
All India Total	4592.34	3936.82	38598.24	30866.03

Solar Power Generation in MU

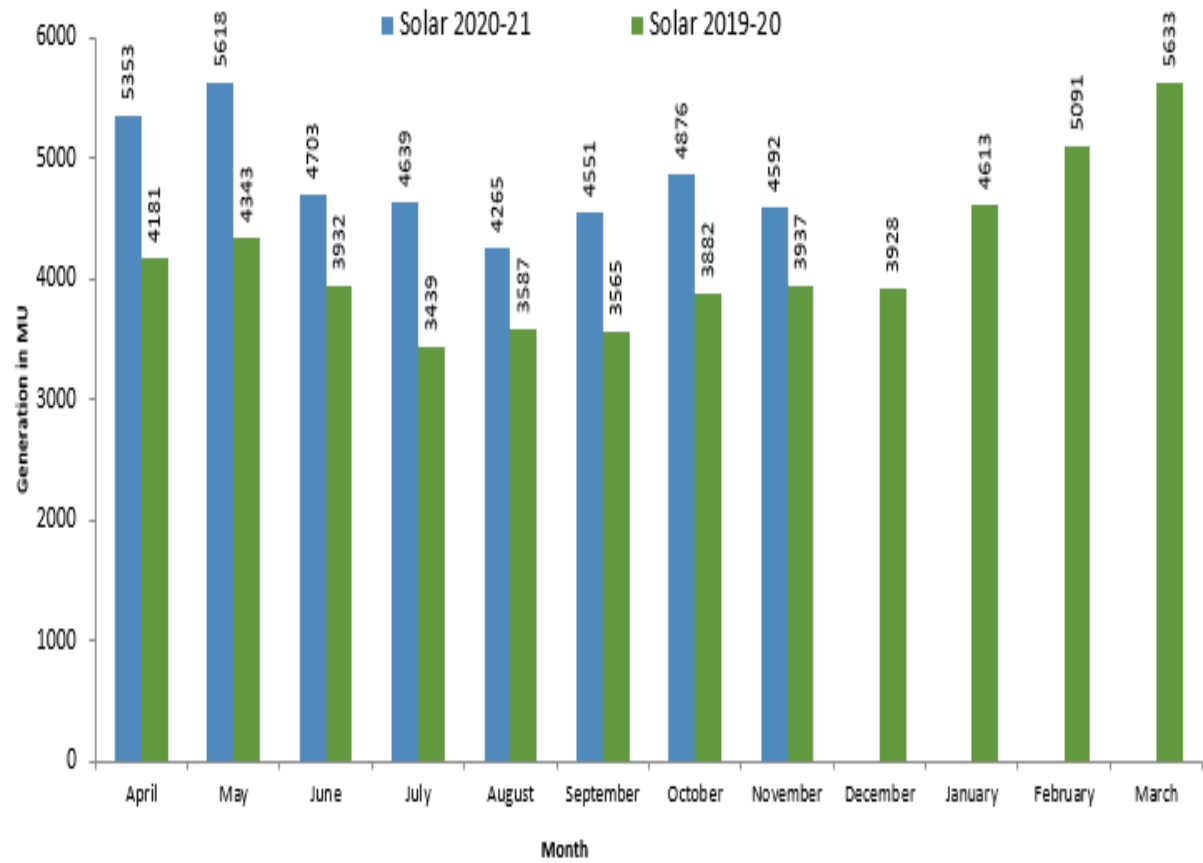


Figure 14 Monthly Solar Power Generation

Table 5 State Wise Biomass Power Generation

Biomass Energy Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	16.29	14.23	116.86	130.51
HP	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	53.71	32.90	381.46	236.04
Rajasthan	36.18	34.21	276.60	247.09
Uttar Pradesh	16.30	0.95	67.89	52.88
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	122.48	82.28	842.82	666.51
Chhattisgarh	95.81	48.79	633.40	435.42
Gujarat	0.00	8.39	43.14	59.49
Madhya Pradesh	0.04	0.11	0.29	1.25
Maharashtra	28.34	33.84	220.25	263.99
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	1.16	0.00	6.02	0.00
Goa	0.00	0.00	0.00	0.00
Western Region	125.35	91.13	903.10	760.15
Andhra Pradesh	10.79	8.43	88.33	97.09
Telangana	12.34	7.42	108.04	79.91
Karnataka	20.08	10.01	138.84	104.95
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	10.82	7.08	96.03	75.63
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	54.03	32.94	431.24	357.58
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	1.66	1.31	12.74	11.01
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	24.10	39.50
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
DVC	0.00	0.00	0.00	0.00
Eastern Region	1.66	1.31	36.84	50.51
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	303.51	207.66	2214.00	1834.75

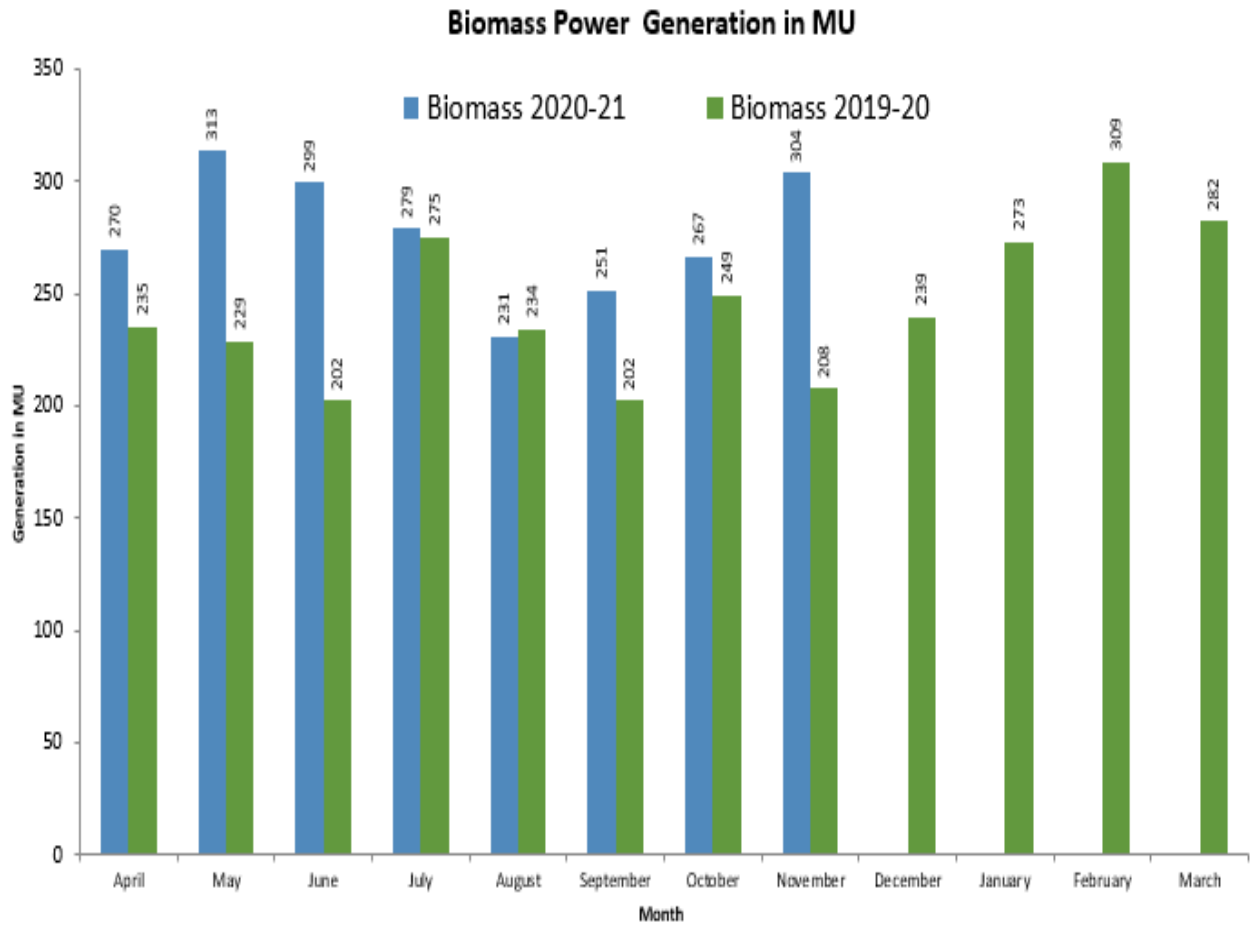


Figure 15 Monthly Biomass Power Generation

Table 6 State Wise Bagasse Power Generation

Bagasse Energy Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	5.48	0.00	55.96	16.06
HP	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	11.54	2.16	46.44	96.42
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	374.98	349.25	1359.16	1272.96
Uttarakhand	0.00	8.76	29.23	22.64
Northern Region	391.99	360.17	1490.78	1408.08
Chhattisgarh	0.00	0.00	5.08	0.00
Gujarat	4.57	0.87	7.68	4.07
Madhya Pradesh	6.01	1.27	6.01	11.96
Maharashtra	562.74	92.22	991.33	622.41
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	573.32	94.36	1010.10	638.44
Andhra Pradesh	6.87	4.63	24.61	25.38
Telangana	1.11	2.19	1.22	17.23
Karnataka	454.57	275.66	972.56	669.82
Kerala	4.09	1.65	30.52	9.68
Tamil Nadu	5.87	23.60	293.42	266.88
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	472.52	307.73	1322.33	988.98
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	10.82	1.48	41.91
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	89.61	148.73	899.64
DVC	0.00	0.00	0.00	0.00
Eastern Region	0.00	100.44	150.21	941.55
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	1437.83	862.70	3973.42	3977.05

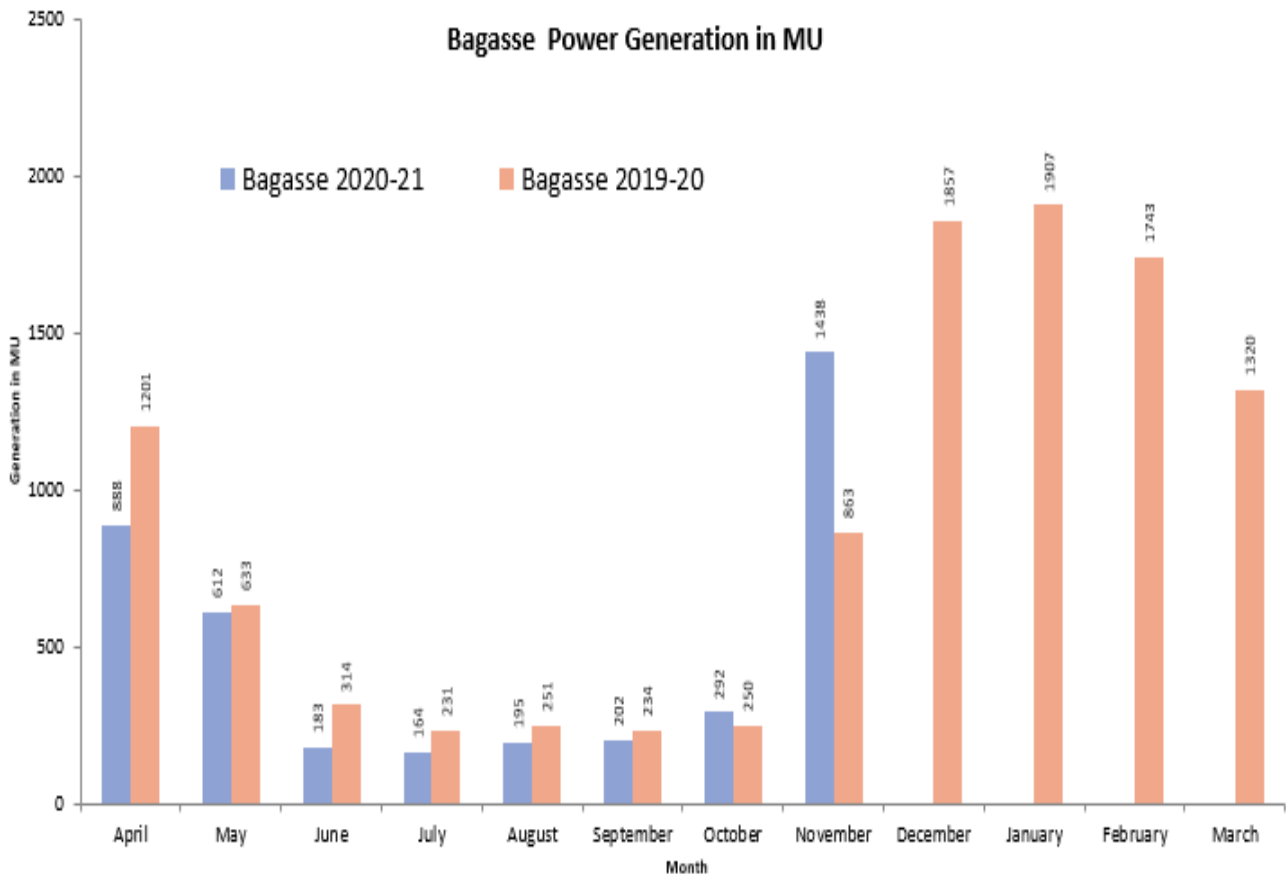


Figure 16 Monthly Bagasse Power Generation

Table 7 State Wise Small Hydro Generation

Small Hydro Energy Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	20.96	24.15	227.12	229.62
HP	90.87	128.28	1899.46	1737.93
J & K	17.20	20.39	351.01	358.39
Ladakh	0.00	0.00	0.00	0.00
Punjab	52.76	35.31	538.40	485.21
Rajasthan	2.21	0.65	3.58	1.41
Uttar Pradesh	9.62	1.41	91.92	19.50
Uttarakhand	84.22	52.18	650.62	567.03
Northern Region	277.83	262.36	3762.11	3399.08
Chhattisgarh	9.61	9.89	115.46	74.01
Gujarat	19.85	17.26	131.52	118.80
Madhya Pradesh	30.47	24.90	192.56	152.89
Maharashtra	43.68	53.13	533.86	428.43
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	103.61	105.19	973.41	774.14
Andhra Pradesh	41.52	43.40	188.64	159.42
Telangana	9.42	8.33	40.24	34.14
Karnataka	240.58	245.32	1816.73	1514.64
Kerala	54.46	58.81	505.81	396.93
Tamil Nadu	30.95	32.25	148.19	143.89
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	376.94	388.12	2699.61	2249.01
Andaman Nicobar	1.74	1.51	11.66	3.33
Bihar	0.00	0.13	43.20	10.75
Jharkhand	0.00	0.00	0.00	0.00
Orissa	53.94	29.49	300.70	227.25
Sikkim	5.41	6.92	38.71	44.04
West Bengal	13.00	11.46	92.96	102.32
DVC	1.95	0.11	5.59	0.27
Eastern Region	76.05	49.62	492.82	387.97
Arunachal Pradesh	0.05	0.05	0.36	0.46
Assam	3.00	7.25	23.01	30.34
Manipur	0.00	0.29	0.00	0.29
Meghalaya	5.90	6.50	34.75	40.99
Mizoram	5.04	5.03	29.98	36.22
Nagaland	6.73	8.43	50.72	58.42
Tripura	1.54	2.72	3.48	14.40

North Eastern Region	22.25	30.25	142.31	181.11
All India Total	856.67	835.54	8070.27	6991.30

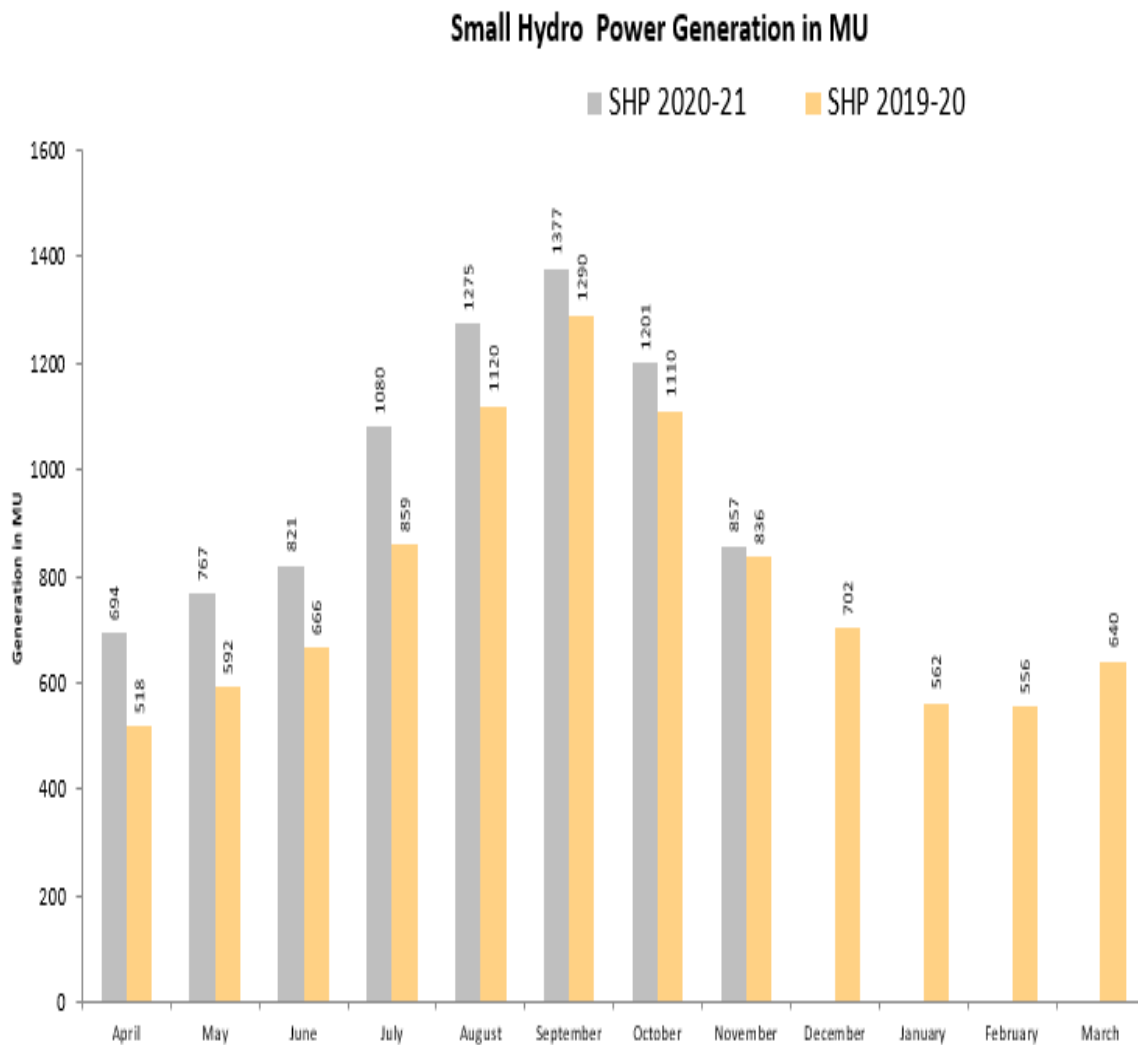


Figure 17 Monthly Small Hydro Power Generation

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

Other RE sources Energy Generation (State Wise) for the month of November 2020				
State	Nov,2020	Nov,2019	April 2020 - Nov, 2020	April, 2019- Nov, 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	16.76	25.67	164.51	204.05
Haryana	0.00	0.00	0.00	0.00
HP	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	0.02	0.02	0.03	0.19
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	16.78	25.69	164.54	204.24
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	10.61	16.07
Madhya Pradesh	3.55	0.00	23.08	15.72
Maharashtra	0.00	0.04	0.05	0.63
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	3.56	0.04	33.74	32.42
Andhra Pradesh	6.62	0.86	29.95	4.62
Telangana	1.52	0.98	45.04	5.41
Karnataka	0.00	0.00	0.00	0.00
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	8.14	1.84	74.99	10.03
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	133.22	0.00	680.93	0.00
DVC	0.00	0.00	0.00	0.00
Eastern Region	133.22	0.00	680.93	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	161.70	27.57	954.20	246.69

Power Generation from other RE sources in MU

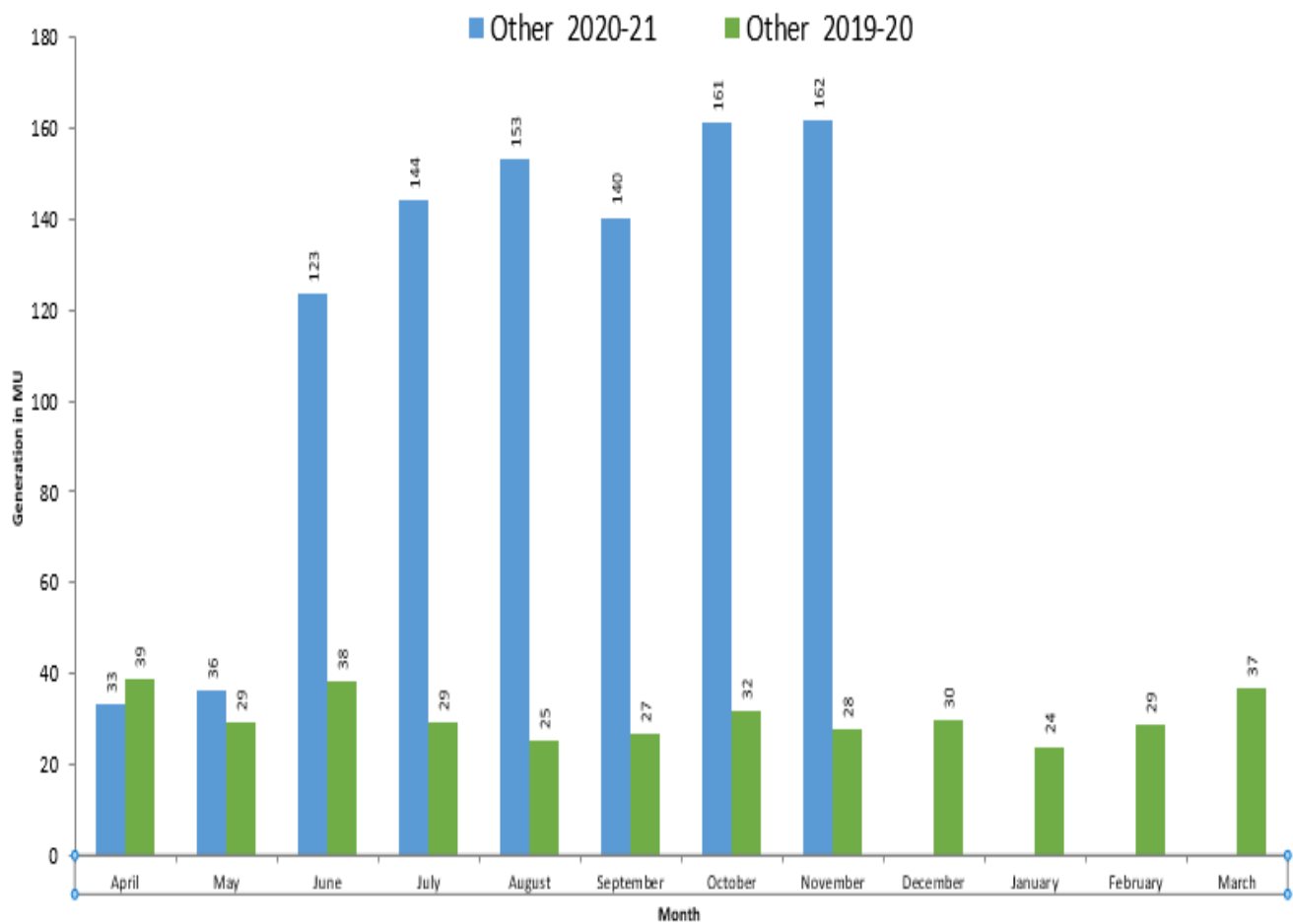


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for November 2020							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
AURAIYA SOLAR	Uttar Pradesh	Central	NTPC	Solar	8	0.45	8%
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.48	13%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.73	16%
UNCHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	1.08	15%
ADANI GREEN ENERGY NINETEEN LTD	Rajasthan	Private	IPP	Solar	50	0.31	1%
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	9.06	25%
MAHOBA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	37.64	26%
ACME CHITTORGARH ENERGY PVT LTD	Rajasthan	Private	IPP	Solar	250	41.06	23%
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	31.95	22%
AZURE POWER THIRTY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	130	24.60	26%
CLEAN SOLAR POWER (BHADLA) PVT LDT	Rajasthan	Private	IPP	Solar	300	55.49	26%
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	9.29	26%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	42.88	24%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	36.77	26%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	28.18	26%
Northern Region					1868	320.97	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	34.53	19%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	38.39	21%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	38.20	21%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	40.93	23%
ALFANAR WIND	Gujarat	Private	IPP	Wind	300	29.17	14%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	46.08	26%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	36.22	17%
ADANI GREEN ENERGY MP LTD(DAYAPAR)	Gujarat	Private	IPP	Wind	176.6	23.54	19%

Monthly RE generation from Inter State Generating Station (ISGS) for **November 2020**

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	250	18.67	10%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	50.23	28%
RENEW WIND ENERGY AP2	Gujarat	Private	IPP	Wind	300	21.87	49%
Western Region					2526.6	377.83	21%
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	37.17	21%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	27.76	19%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	21.56	16%
BEETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	126.2	21.49	24%
Southern Region					763.2	107.98	
Total					5157.8	806.78	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise) for November 2020						
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)	Monthly CUF (%)
				November 2020	April 2020 to November 2020	
NTPC						
NTPC Faridabad _Solar	Haryana	5	Solar	0.45	4.50	12.50
NTPC Bhadla	Rajasthan	260	Solar	30.52	290.60	16.30
NTPC Dadri _Solar	Uttar Pradesh	5	Solar	0.48	4.35	13.33
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	1.08	9.75	15.00
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	1.73	13.55	16.02
NTPC Auraiya	Uttar Pradesh	15	Solar	0.45	0.00	4.17
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	0.00	7.60	0.00
NTPC Rojmal	Gujarat	50	Wind	7.41	77.08	20.58
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	6.14	48.57	17.06
NTPC Mandsaur	Madhya Pradesh	250	Solar	33.23	241.69	18.46
NTPC Anantapuram	Andhra Pradesh	250	Solar	25.36	257.27	14.09
NTPC Ramagundam	Telangana	10	Solar	1.24	9.86	17.22
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.40	3.06	11.11
NTPC Talchar _Solar	Orissa	10	Solar	1.14	8.97	15.83
Total NTPC		943		109.63	976.85	
THDC						
THDC Patan Wind Power Project	Gujarat	50	Wind	6.00	75.82	16.67
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	12.92	118.17	28.48
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	9.09	0.03	52.60
THDCIL's premises at Rishikesh	Uttar Pradesh	0.5	Solar	.03		8.33
Total THDC		137.5		28.04	194.02	
NHPC						
NHPC Wind Power Project	Rajasthan	50	Wind	2.42	25.86	6.73
NHPC Solar Power Project	Tamilnadu	50	Solar	6.43	36.50	17.85
Total NHPC		100		8.85	62.36	
ONGC						
ONGC Wind, Bhuj	Gujarat	51	Wind	4.08	7.49	11.10
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	3.79	12.20	5.17
ONGC Solar, Goa	Goa	1	Solar	0.14	0.27	19.03
ONGC Solar, Hazira	Gujarat	10	Solar	1.22	2.43	16.96
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.54	1.11	15.00
ONGC Solar, Rajahmundary	Andhra Pradesh	1	Solar	.087	0.21	12.14
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.11	0.00	14.53

Renewable Energy Generation Data (CPSU Wise) for November 2020

ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5	Solar	0.42	0.00	11.63
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.39	0.79	12.73
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	.134	0.32	11.31
ONGC Solar, Uttarakhand (RTS)	Uttarkhand	1.236	Solar	0.11	0.22	11.91
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.03	0.03	14.73
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.002	0.01	0.97
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.065	Solar	0.006	0.00	12.82
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00
Total ONGC		184		13.04	25.09	
SJVN Limited						
Khirvire Wind Power	Maharashtra	47.6	Wind	1.93	48.60	5.44
Sadla Wind Power	Gujarat	50	Solar	6.26	59.05	16.82
Charanka Solar Power	Gujarat	5.6	Solar	0.64	3.64	15.24
Total SJVN		103.2		8.82	111.30	
Oil India Ltd						
Oil India Ltd	Rajasthan	14	Solar	1.93	14.54	18.53
Oil India Ltd	Rajasthan	67.6	Wind	2.68	50.05	5.33
Oil India Ltd	Gujarat	43.3	Wind	8.89	70.09	27.60
Oil India Ltd	Madhya Pradesh	63.2	Wind	6.61	90.05	14.05
Total Oil India Ltd		188.1		20.11	224.72	14.37
NEEPCO	Tripura	5	Solar	0.47	8.88	12.59
All India		1660.80		188.96	1603.22	

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

RENEWABLE ENERGY CURTAILMENT DURING NOVEMBER 2020

(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 November-2020			
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	0	SLDC, RRVPNL Website- https://sldc.rajasthan.gov.in/mis/monthlyReDsmReports
8.	Madhya Pradesh	0	SLDC, MP Power Transmission Corporation Ltd.- http://223.31.122.117/mpslhc/RE_DATA

*Curtailment details of Andhra Pradesh as issued by APTRANSCO is enclosed below:

Solar Power curtailment of Andhra Pradesh as given below:

Date	Block No	Time	Solar curtailment MW	Total Solar Curtailment MW	Solar generation MW	Reasons for Backing down
30-11-2020	40	09:47:00	200	200	1669	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	40	09:50:00	100	100	1570	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	41	10:01:00	100	100	1411	curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	41	10:01:00	50	50	1411	curtailed to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
30-11-2020	44	10:47:00	-100	0	1313	Released to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	44	10:48:00	-100	0	1342	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	44	10:50:00	-100	100	1413	Released to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	53	13:09:00	200	300	1586	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	54	13:18:00	100	100	1518	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	54	13:18:00	100	100	1518	curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	54	13:21:00	100	400	1534	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	56	13:54:00	-100	0	1149	Released to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	60	14:52:00	-100	0	1188	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	60	14:52:00	-200	200	1188	Released to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	62	15:22:00	-200	0	1144	Released to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	62	15:27:00	-50	0	1070	Released to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
30-11-2020	40	09:47:00	200	200	1669	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	40	09:50:00	100	100	1570	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	41	10:01:00	100	100	1411	curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	41	10:01:00	50	50	1411	curtailed to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
30-11-2020	44	10:47:00	-100	0	1313	Released to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	44	10:48:00	-100	0	1342	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	44	10:50:00	-100	100	1413	Released to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	53	13:09:00	200	300	1586	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	54	13:18:00	100	100	1518	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	54	13:18:00	100	100	1518	curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	54	13:21:00	100	400	1534	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	56	13:54:00	-100	0	1149	Released to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	60	14:52:00	-100	0	1188	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	60	14:52:00	-200	200	1188	Released to maintain grid security as per IEGC regulation (At Ghani SS)

Date	Block No	Time	Solar curtailment MW	Total Solar Curtailment MW	Solar generation MW	Reasons for Backing down
30-11-2020	62	15:22:00	-200	0	1144	Released to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	62	15:27:00	-50	0	1070	Released to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
30-11-2020	40	09:47:00	200	200	1669	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	40	09:50:00	100	100	1570	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	41	10:01:00	100	100	1411	curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	41	10:01:00	50	50	1411	curtailed to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
30-11-2020	44	10:47:00	-100	0	1313	Released to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	44	10:48:00	-100	0	1342	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	44	10:50:00	-100	100	1413	Released to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	53	13:09:00	200	300	1586	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
30-11-2020	54	13:18:00	100	100	1518	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
30-11-2020	54	13:18:00	100	100	1518	curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
30-11-2020	54	13:21:00	100	400	1534	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)

Wind Power curtailment of Andhra Pradesh as given below:

Date	Block No	Time	Wind curtailment (MW)	Total Wind Curtailment (MW)	Wind generation (MW)	Reasons for Backing down
12-11-2020	60	14:46:00	50	50	147	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	60	14:46:00	30	30	526	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	61	15:09:00	20	50	553	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	63	15:31:00	50	100	117	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	63	15:31:00	20	70	433	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	66	16:17:00	-20	50	310	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	66	16:17:00	-50	50	102	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	66	16:28:00	-20	30	328	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	67	16:33:00	-30	0	376	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-11-2020	67	16:33:00	-50	0	104	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-11-2020	0	00:00:00	0	0		curtailment--NIL
14-11-2020	77	19:03:00	50	50	293	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-11-2020	77	19:03:00	40	40	953	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-11-2020	81	20:07:00	-40	0	682	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-11-2020	81	20:07:00	-50	0	263	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	14	03:15:00	50	50	235	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	14	03:15:00	20	20	725	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)

Date	Block No	Time	Wind curtailment (MW)	Total Wind Curtailment (MW)	Wind generation (MW)	Reasons for Backing down
						percentage)
26-11-2020	15	03:33:00	50	100	230	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	15	03:33:00	40	60	833	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	16	03:59:00	20	80	645	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	18	04:22:00	10	90	544	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	32	07:50:00	-20	70	350	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	34	08:19:00	-20	50	431	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	39	09:30:00	-30	20	612	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	40	09:52:00	-20	0	860	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	40	09:52:00	-100	0	230	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	81	20:11:00	20	20	417	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	81	20:11:00	50	50	208	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	93	23:00:00	-20	0	407	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
26-11-2020	93	23:00:00	-50	0	102	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	45	11:10:00	50	50	258	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	45	11:10:00	30	30	606	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	63	15:42:00	-30	0	581	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	63	15:42:00	-50	0	217	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	72	17:55:00	50	50	370	Wind generators with temporary

Date	Block No	Time	Wind curtailment (MW)	Total Wind Curtailment (MW)	Wind generation (MW)	Reasons for Backing down
						connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	72	17:55:00	20	20	1070	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	75	18:38:00	-20	0	940	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
27-11-2020	75	18:38:00	-50	0	301	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)

Table 12 Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of November 2020				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
AURAIYA SOLAR	Solar	0.57	0.54	-0.03
ACME CHITTORGARH ENERGY PVT LTD	Solar	40.64	41.06	0.42
ADANI GREEN ENERGY NINETEEN LTD	Solar	0.28	0.31	0.03
AZURE SOLAR	Solar	34.8	31.95	-2.85
AZURE SOLAR THIRTY FOUR	Solar	25.44	24.6	-0.84
CLEAN SOLAR POWER(BHADLA) PVT LTD.	Solar	52.89	55.49	2.60
DADRI SOLAR	Solar	0.59	0.48	-0.11
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Solar	9.06	9.06	0.00
MAHOBBA SOLAR	Solar	39.33	37.64	-1.69
RENEW SOLAR	Solar	9.59	9.29	-0.30
RENEW SOLAR POWER LTD PVT BIKANER	Solar	44.31	42.88	-1.43
SB ENERGY	Solar	37.09	36.77	-0.32
SINGRAULI SOLAR	Solar	1.71	1.65	-0.06
TATA POWER RENEWABLE	Solar	27.29	28.18	0.89
UNCHAHAH SOLAR	Solar	1.2	1.07	-0.13
Western Region				
ACME SOLAR (RAMNAGAR)	Solar	34.16	34.53	0.37
ADANI GREEN ENERGY MP,LTD	Wind	22.03	23.54	1.51
ALFANAR WIND	Wind	32.43	29.17	-3.26
ARINSUN SOLAR (BARSITADESH)	Solar	37.21	38.39	1.18
GREEN INFRA WIND ENERGY LIMITED SECI 2	Wind	50.38	46.08	-4.30
GREEN INFRA WIND ENERGY LIMITED SECI 3	Wind	42.66	36.22	-6.44
INOX WIND	Wind	17.87	18.67	0.80
MAHINDRA SOLAR (BADWAR)	Solar	36.77	38.77	2.00
OSTRO -KUTCH	Wind	53.9	50.23	-3.67
RENEW WIND ENERGY AP2	Wind	22.59	21.87	-0.72
RENEW POWER	Solar	44.97	40.93	-4.04
Southern Region				
BEETAM	Wind	21.94	21.49	-0.45
GIREL	Wind	26.29	21.56	-4.73
MYTRAH	Wind	27.68	27.76	0.08
ORANGE	Wind	38.28	37.17	-1.11

+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 for the Month of November 2020							
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	0.29	0.29	100.00
Delhi	0.00	505.67	0.00	0.00	34.08	539.75	6.31
Haryana	436.21	0.00	0.00	0.00	50.16	486.37	10.31
HP	0.00	0.00	0.00	1504.98	94.53	1599.51	100.00
J & K	0.00	0.00	0.00	614.90	18.40	633.30	100.00
Ladakh	0.00	0.00	0.00	22.08	0.00	22.08	100.00
Punjab	316.15	0.00	0.00	316.93	196.34	829.42	61.88
Rajasthan	4122.65	35.37	632.90	58.25	1063.92	5913.09	29.68
Uttar Pradesh	8314.65	96.04	312.13	75.02	535.51	9333.35	9.89
Uttarakhand	0.00	0.00	0.00	658.54	109.85	768.39	100.00
Northern Region	13189.66	637.08	945.03	3250.70	2103.07	20125.54	31.30
Chhattisgarh	11433.82	0.00	0.00	4.89	138.37	11577.08	1.24
Gujarat	7190.56	1400.86	307.30	168.03	1473.31	10540.06	18.49
Madhya Pradesh	11181.42	0.00	0.00	380.15	574.86	12136.43	7.87
Maharashtra	9195.15	489.16	625.54	309.32	1252.79	11871.96	18.43
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.38	0.38	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	0.14	0.14	100.00
Western Region	39000.95	1890.02	932.84	862.39	3443.54	46129.74	11.36
Andhra Pradesh	3188.38	266.76	0.00	271.02	857.67	4583.83	24.62
Telangana	3573.92	0.00	0.00	380.50	557.45	4511.87	20.79
Karnataka	1205.78	0.00	595.40	923.13	2475.43	5199.74	76.81
Kerala	0.00	0.00	0.00	483.26	92.82	576.08	100.00
Tamil Nadu	3843.43	195.99	1357.72	559.61	832.14	6788.89	40.50
Lakshadweep	0.00	0.00	0.00	0.00	0.04	0.04	100.00
Puducherry	0.00	19.61	0.00	0.00	0.37	19.98	1.85
Southern Region	11811.51	482.36	1953.12	2617.52	4815.93	21680.44	43.30
Andaman Nicobar	20.89	0.00	0.00	0.00	3.15	24.04	13.11
Bihar	2240.86	0.00	0.00	0.00	14.19	2255.05	0.63
Jharkhand	2427.63	0.00	0.00	1.87	1.65	2431.15	0.14
Orissa	4296.59	0.00	0.00	495.25	92.21	4884.05	12.03
Sikkim	0.00	0.00	0.00	540.89	5.41	546.30	100.00
West Bengal	5538.51	0.00	0.00	189.15	151.71	5879.37	5.80
DVC	0.00	0.00	0.00	0.00	1.96	1.96	0.00
Eastern Region	14524.48	0.00	0.00	1227.16	270.28	16021.92	9.35
Arunachal Pradesh	0.00	0.00	0.00	231.60	0.17	231.77	100.00
Assam	208.99	214.79	0.00	0.00	28.97	452.75	6.40
Manipur	0.00	0.00	0.00	74.92	0.97	75.89	100.00
Meghalaya	0.00	0.00	0.00	86.19	5.90	92.09	100.00

Fossil and Non Fossil (State Wise) Electricity Generation for the Month of November 2020

State/UT	Fossil			Non Fossil			Non Fossil
Mizoram	0.00	0.00	0.00	23.33	5.06	28.39	100.00
Nagaland	0.00	0.00	0.00	13.89	6.73	20.62	100.00
Tripura	0.00	575.62	0.00	0.00	2.04	577.66	0.35
North Eastern Region	208.99	790.41	0.00	429.93	24.44	1479.16	30.72
All India Total	78735.59	3799.87	3830.99	8387.70	10657.25	105436.79	21.70

Table 14 Renewable Energy as % of Total Electricity Generated

RE Generation as proportion of Total Electricity generation -Physical location wise. (State Wise) for the Month of November 2020							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	0.29	0.29	100.00
Delhi	0.00	505.67	0.00	0.00	34.08	539.75	6.31
Haryana	436.21	0.00	0.00	0.00	50.16	486.37	10.31
HP	0.00	0.00	0.00	1504.98	94.53	1599.51	5.91
J & K	0.00	0.00	0.00	614.90	18.40	633.30	2.91
Ladakh	0.00	0.00	0.00	22.08	0.00	22.08	0.00
Punjab	316.15	0.00	0.00	316.93	196.34	829.42	23.67
Rajasthan	4122.65	35.37	632.90	58.25	1063.92	5913.09	17.99
Uttar Pradesh	8314.65	96.04	312.13	75.02	535.51	9333.35	5.74
Uttarakhand	0.00	0.00	0.00	658.54	109.85	768.39	14.30
Northern Region	13189.66	637.08	945.03	3250.70	2103.07	20125.54	10.45
Chhattisgarh	11433.82	0.00	0.00	4.89	138.37	11577.08	1.20
Gujarat	7190.56	1400.86	307.30	168.03	1473.31	10540.06	13.98
Madhya Pradesh	11181.42	0.00	0.00	380.15	574.86	12136.43	4.74
Maharashtra	9195.15	489.16	625.54	309.32	1252.79	11871.96	10.55
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.38	0.38	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	0.14	0.14	100.00
Western Region	39000.95	1890.02	932.84	862.39	3443.54	46129.74	7.46
Andhra Pradesh	3188.38	266.76	0.00	271.02	857.67	4583.83	18.71
Telangana	3573.92	0.00	0.00	380.50	557.45	4511.87	12.36
Karnataka	1205.78	0.00	595.40	923.13	2475.43	5199.74	47.61
Kerala	0.00	0.00	0.00	483.26	92.82	576.08	16.11
Tamil Nadu	3843.43	195.99	1357.72	559.61	832.14	6788.89	12.26
Lakshadweep	0.00	0.00	0.00	0.00	0.04	0.04	100.00
Puducherry	0.00	19.61	0.00	0.00	0.37	19.98	1.85
Southern Region	11811.51	482.36	1953.12	2617.52	4815.93	21680.44	22.21
Andaman Nicobar	20.89	0.00	0.00	0.00	3.15	24.04	13.11
Bihar	2240.86	0.00	0.00	0.00	14.19	2255.05	0.63
Jharkhand	2427.63	0.00	0.00	1.87	1.65	2431.15	0.07
Orissa	4296.59	0.00	0.00	495.25	92.21	4884.05	1.89
Sikkim	0.00	0.00	0.00	540.89	5.41	546.30	0.99
West Bengal	5538.51	0.00	0.00	189.15	151.71	5879.37	2.58
DVC	0.00	0.00	0.00	0.00	1.96	1.96	100.00
Eastern Region	14524.48	0.00	0.00	1227.16	270.28	16021.92	1.69
Arunachal Pradesh	0.00	0.00	0.00	231.60	0.17	231.77	0.07
Assam	208.99	214.79	0.00	0.00	28.97	452.75	6.40

RE Generation as proportion of Total Electricity generation -Physical location wise. (State Wise) for the Month of November 2020

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Manipur	0.00	0.00	0.00	74.92	0.97	75.89	1.28
Meghalaya	0.00	0.00	0.00	86.19	5.90	92.09	6.40
Mizoram	0.00	0.00	0.00	23.33	5.06	28.39	17.83
Nagaland	0.00	0.00	0.00	13.89	6.73	20.62	32.62
Tripura	0.00	575.62	0.00	0.00	2.04	577.66	0.35
North Eastern Region	208.99	790.41	0.00	429.93	24.44	1479.16	1.65
All India Total	78735.59	3799.87	3830.99	8387.70	10657.25	105436.79	10.11

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 ,2020	1.51	0.60	0.54	2.65
May ,2020	1.55	0.46	0.29	2.29
June ,2020	1.40	0.73	0.48	2.60
July ,2020	1.50	0.69	0.61	2.80
August ,2020	2.14	0.51	0.67	3.32
September ,2020	10.71	5.29	5.01	21.01
October ,2020	15.18	8.40	7.49	31.07
November 2020	14.32	7.36	6.91	28.59
All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

All India Wind & Solar Power Daily Generation Report (Nov 2020)

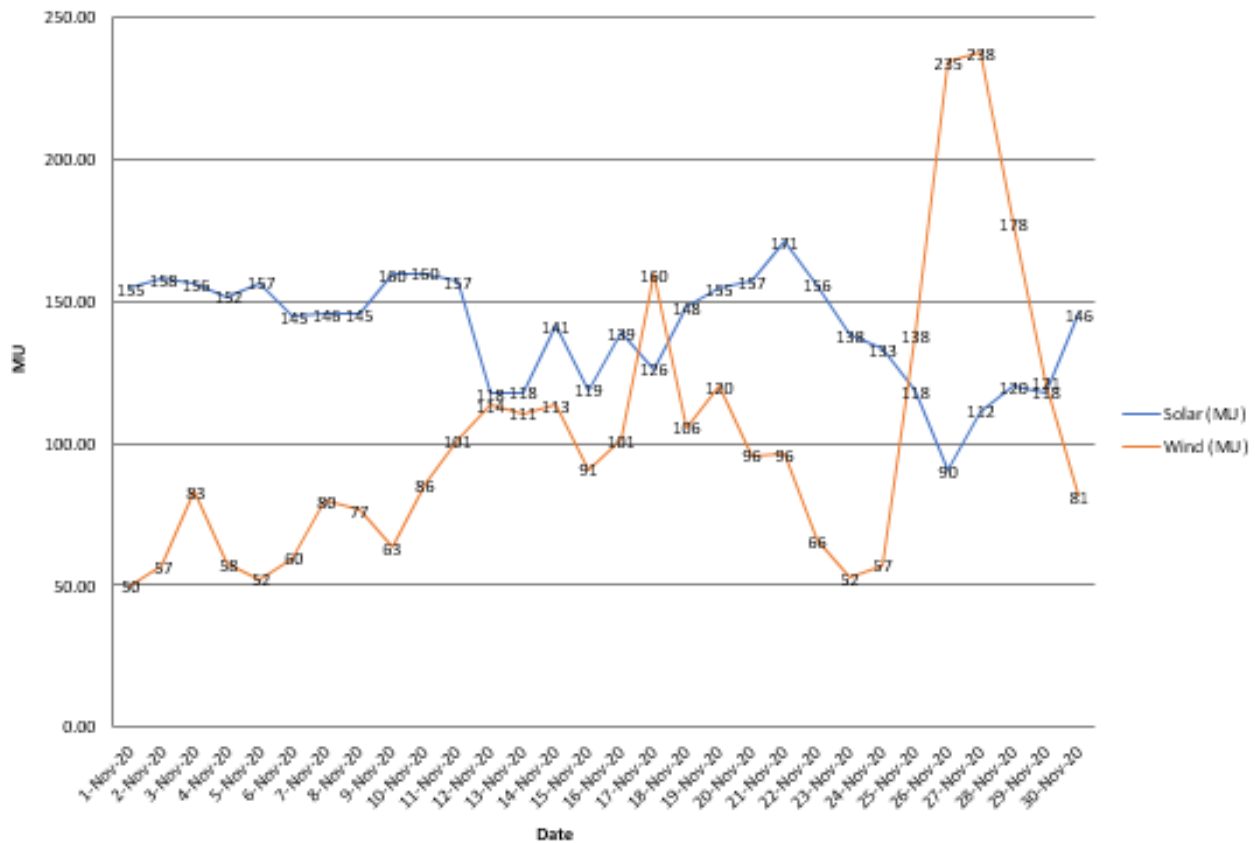


Figure 19 Daily Solar and wind Power Generation trend in the month of Nov-20



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CENTRAL ELECTRICITY AUTHORITY, MINISTRY OF POWER.
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