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Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



Monthly Renewable Energy Generation Report
मासिक नवीकरणीय ऊर्जा उत्पादन रिपोर्ट
February 2021

नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

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SUMMARY OF REPORT FOR THE MONTH OF FEBRUARY 2021

Decreased by 02.29% as compared to Jan 21.

Decreased by 01.75 % as compared to Feb 20.

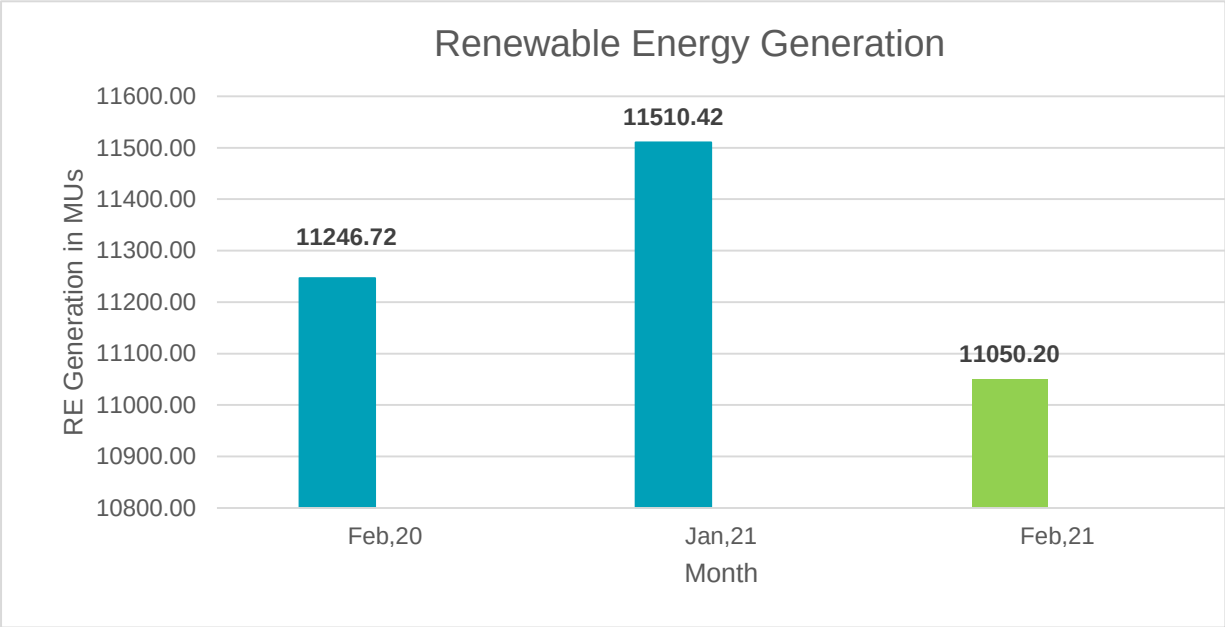


Figure 1: Renewable Energy Generation

Decreased by 04.20 % as compared to Jan 21.

Decreased by 69.95% as compared to Feb 20

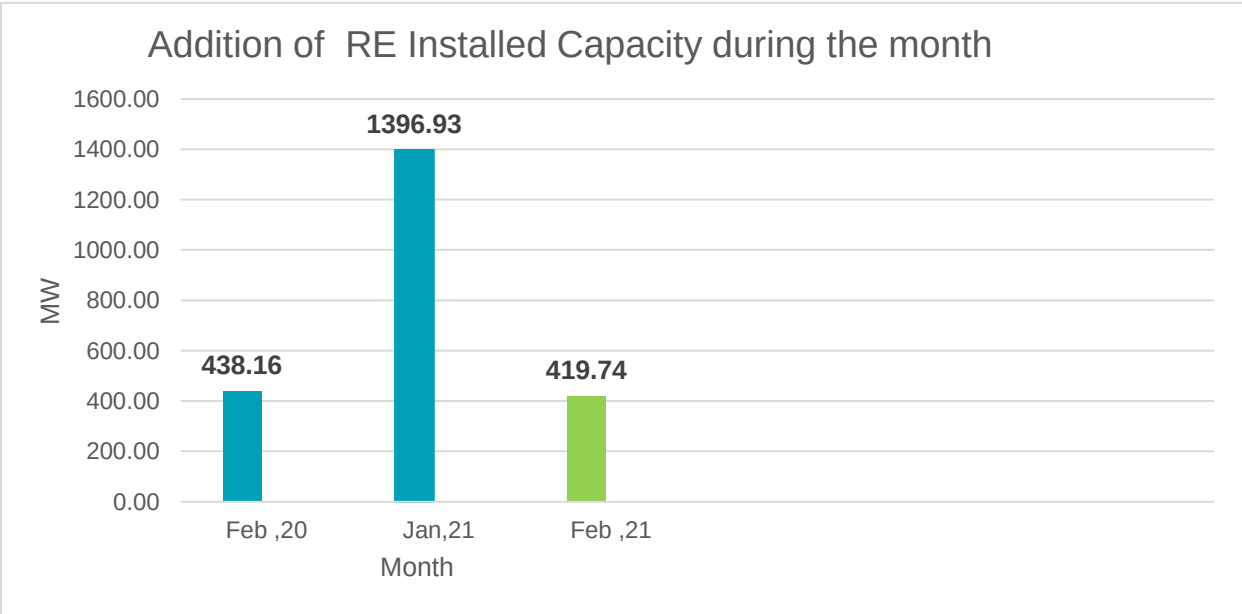


Figure 2 RE capacity added during the Month

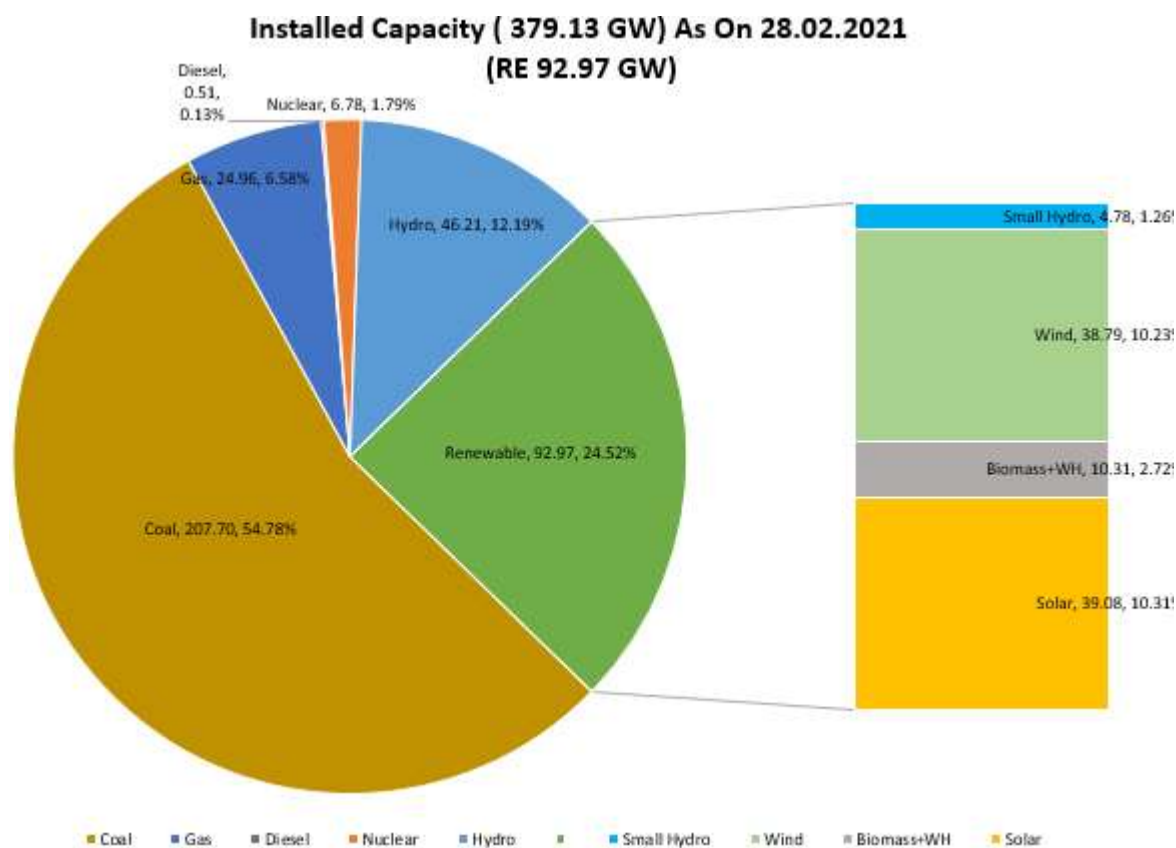


Figure 1 Installed Capacity in India as on 28.02.2021

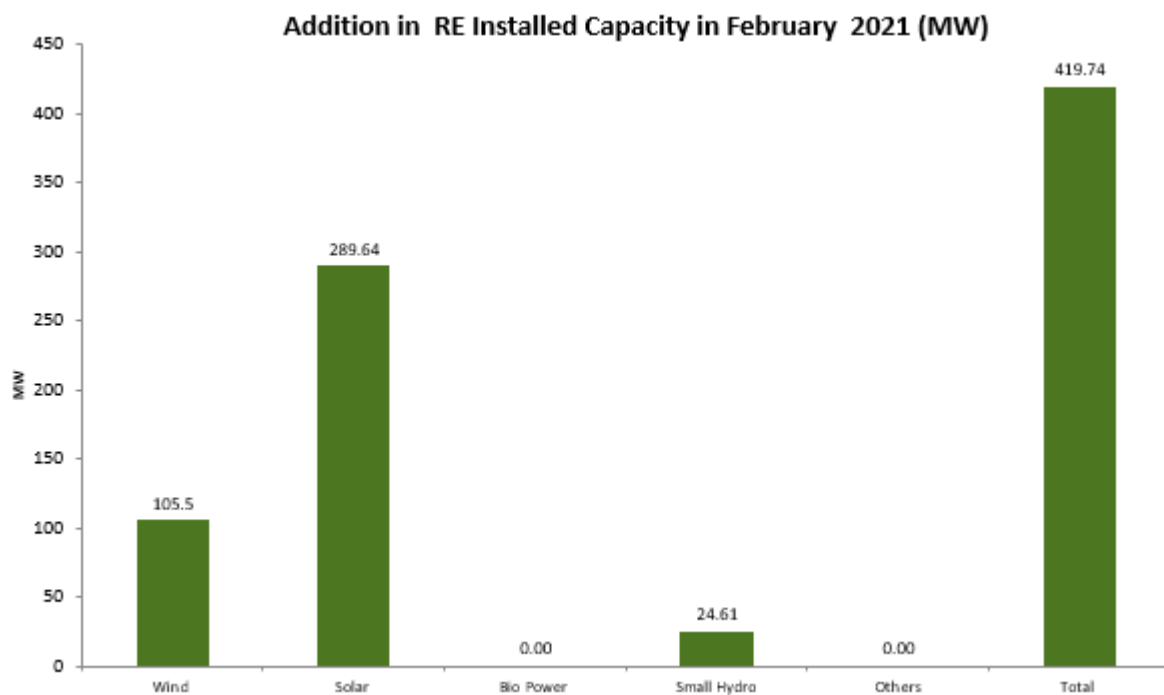


Figure 2: Source wise addition in RE Installed Capacity in Feb 21

HIGHLIGHTS OF RE GENERATION DURING FEBRUARY 2021

1. RE generation decreased by 01.75 % in February 2021 as compared to February 2020.
2. Wind Power generation during the month of February 2021 increased in Maharashtra, Karnataka and Decreased in Rajasthan, Gujarat, Madhya Pradesh and Tamil Nadu as compared to February 2020.
3. Daily wind generation decreased by 17.36 % as compared to February 2020 and decreased by 11.97 % as compared to January 2021.
4. Solar Power generation during the month of February 2021 increased in Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Kerala, Telangana, and Orissa as compared to February 2020 and Decreased in Punjab and Karnataka as compared to February 2020.
5. Daily solar generation increased by 06.78 % as compared to February 2020 and increased by 23.69% as compared to January 2021.
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 28.02.2021 (as per MNRE)	RE Generation (MU) February ' 2020	RE Generation(MU) February '2021	% of Last Year (2/3)	RE Generation (MU) April'2019- February ' 2020	RE Generation (MU) April'2020- February ' 2021	% Of Last Year (5/6)
	1	2	3	4	5	6	7
Wind	38789.15	3518.87	2872.83	81.64	61240.76	56618.10	92.45
Solar	39083.71	5090.66	5435.80	106.78	44497.80	53648.00	120.56
Biomass	10145.92	308.75	311.67	100.95	2655.80	3188.36	120.05
Bagasse		1743.36	1805.08	103.54	9484.50	9770.46	103.02
Small Hydro	4783.06	556.41	465.17	83.60	8811.57	9807.89	111.31
Others	168.64	28.68	159.65	556.75	328.94	1445.53	439.46
Total	92970.48	11246.72	11050.20	98.25	127019.37	134478.34	105.87

Additional RE generation(MUs) in February-21 as compared to February-20

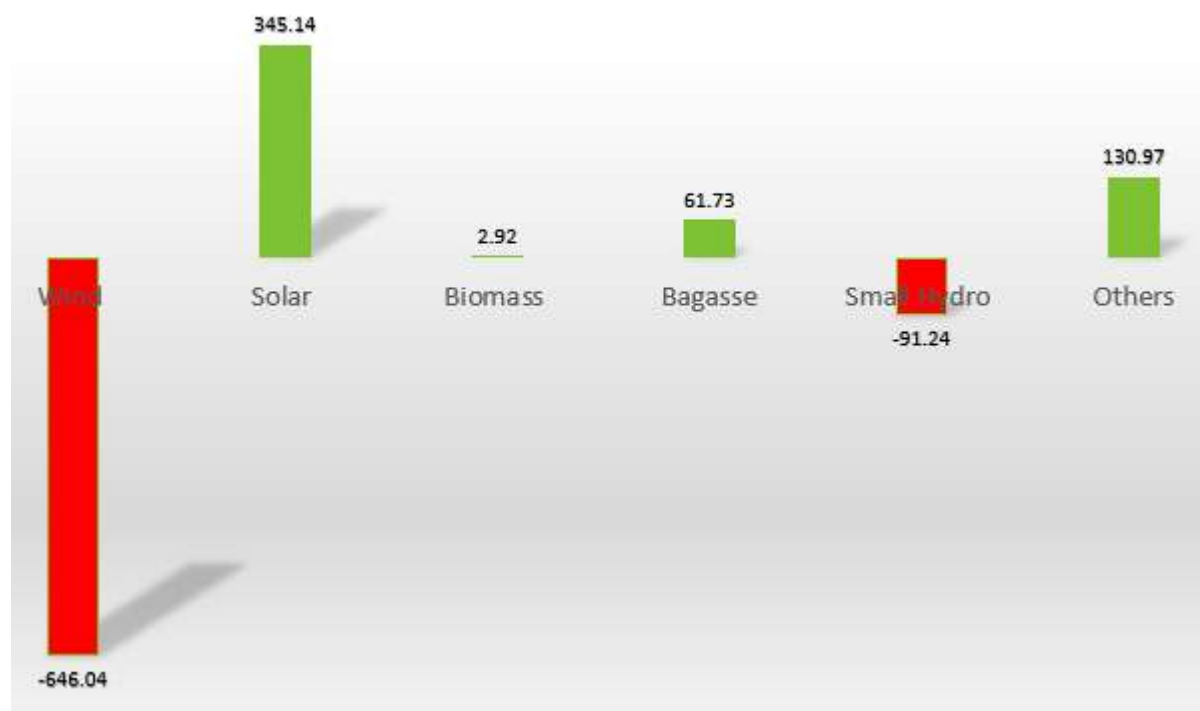


Figure 3 Additional RE Generation in Jan 21 compared to Jan 20

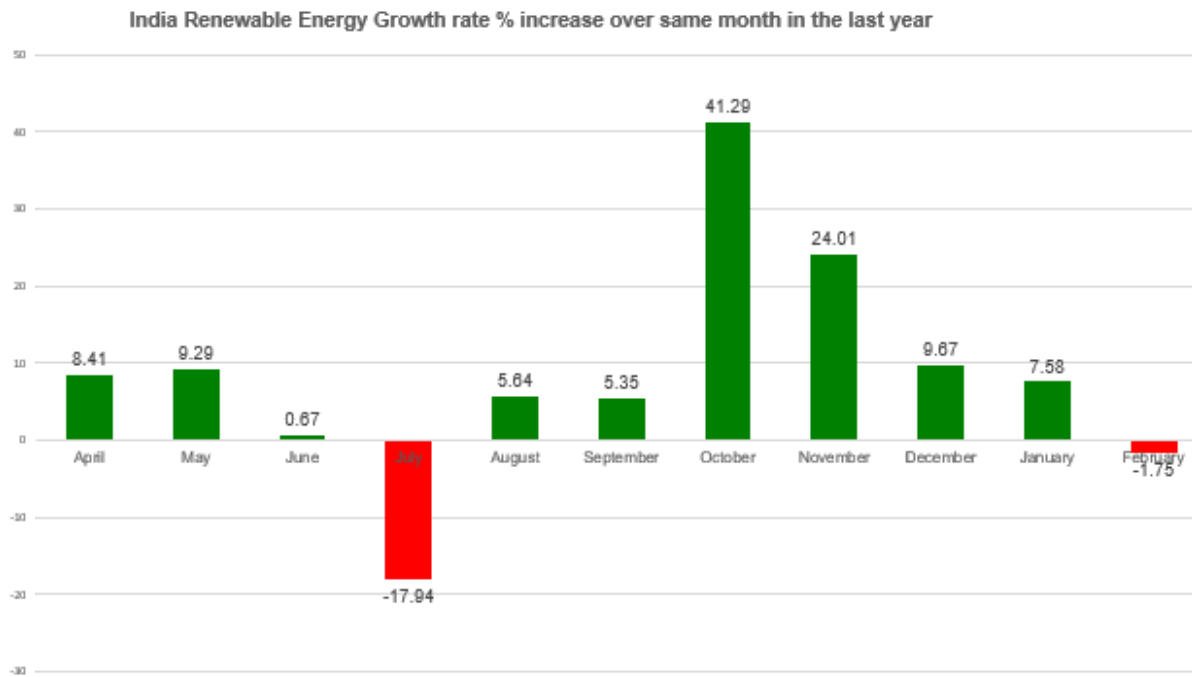


Figure 4 Month Wise Growth of RE Generation in 2020-21 w.r.t to 2019-20

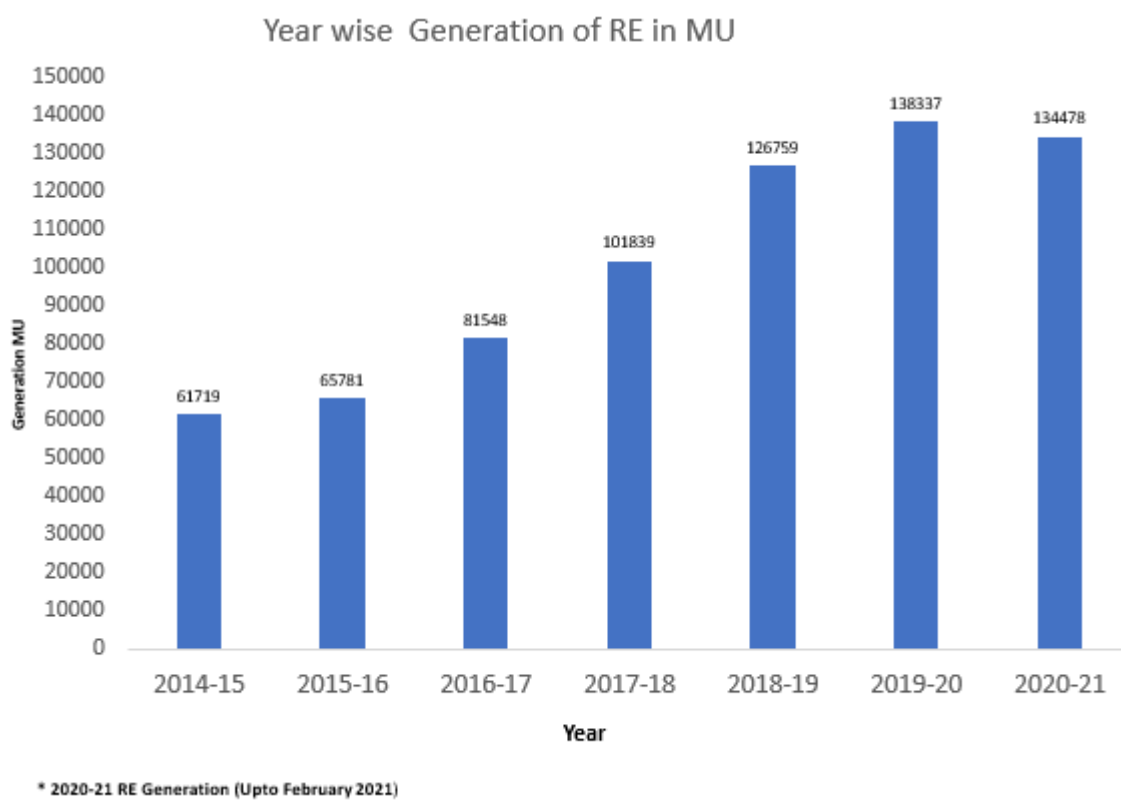


Figure 5 Year Wise RE Generation

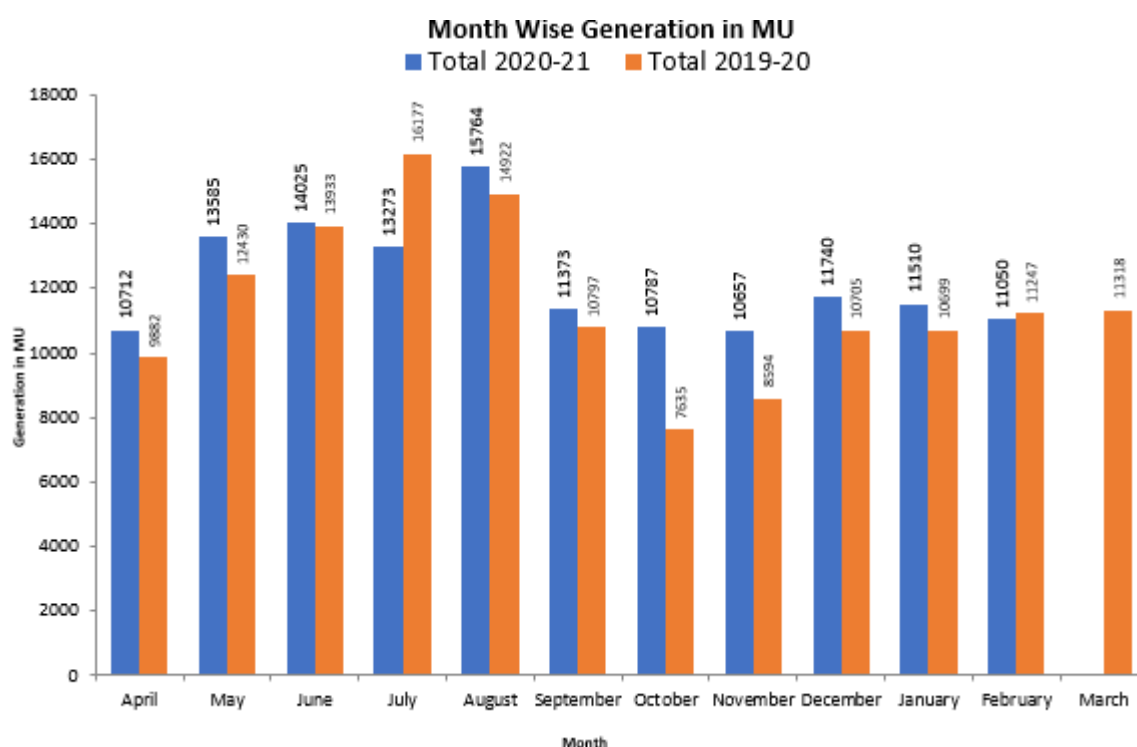


Figure 6 comparison of Month Wise RE Generation in year 2020-21 & in year 2019-20

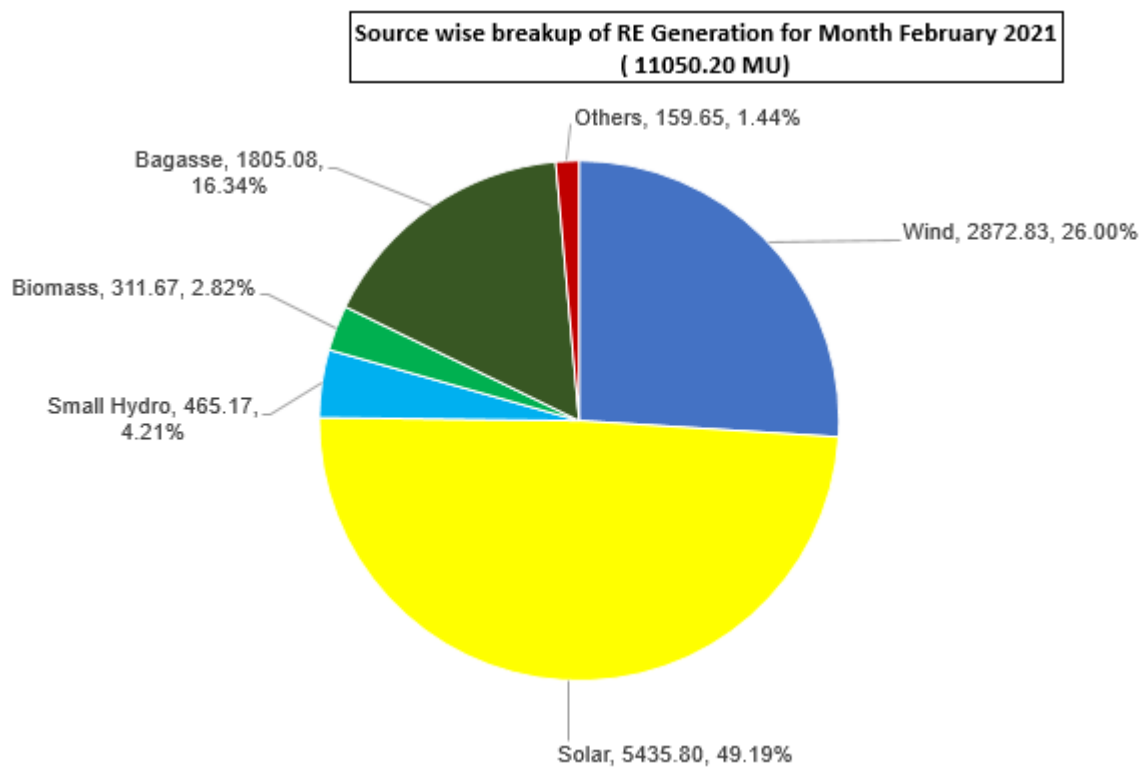


Figure 7 Source wise breakup of RE Generation in the month of Feb-21

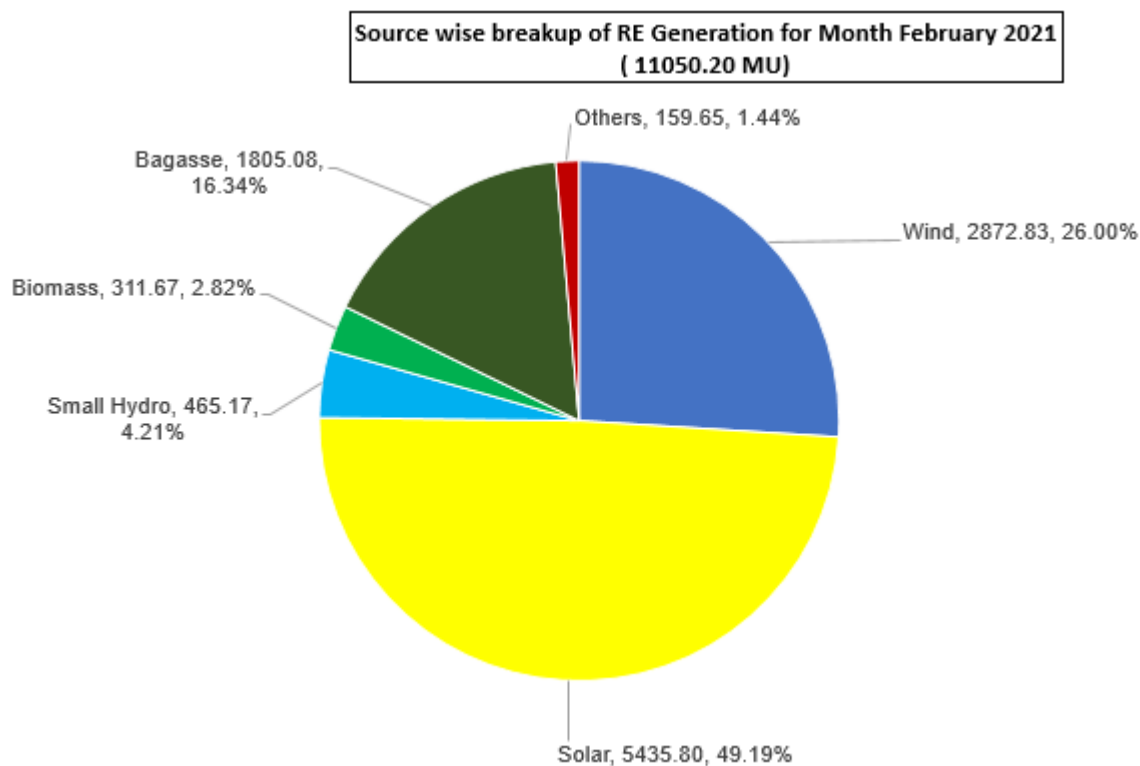


Figure 10 Source wise breakup of Cumulative RE Generation (April-20 – Jan-21)

Monthly Energy Generation (112.47 BU) February 2021

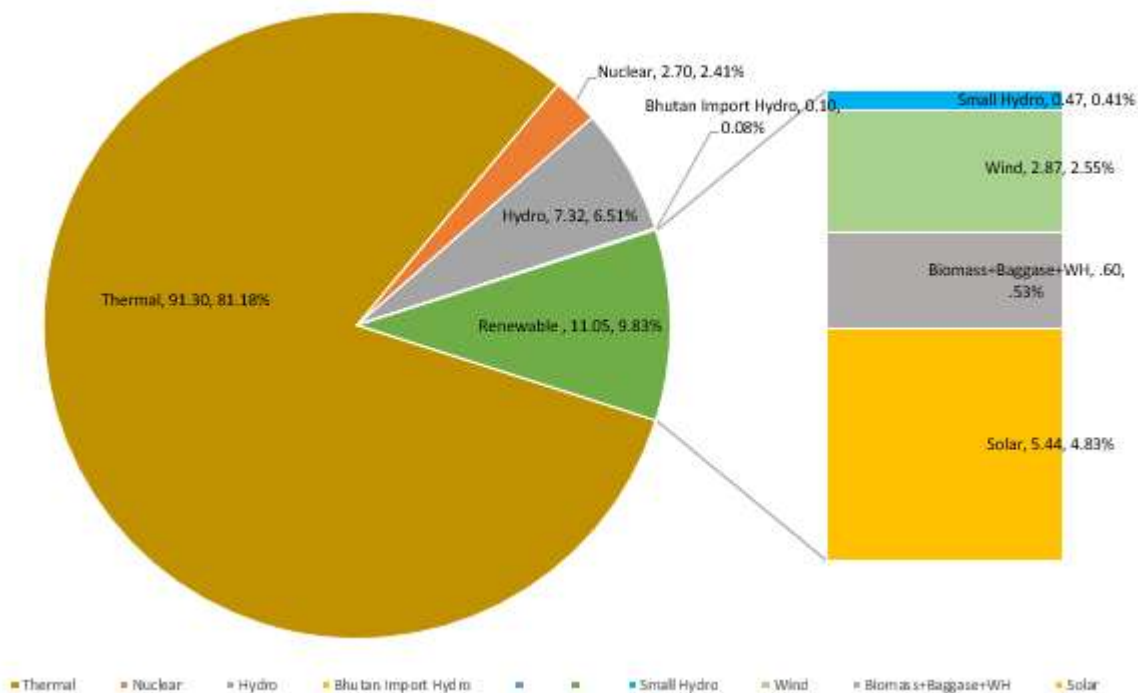


Figure 11 Total Energy Generation in India and Share of RE in the month of Feb-21

Cumulative Energy Generation (1250.32 BU) April - February 2021

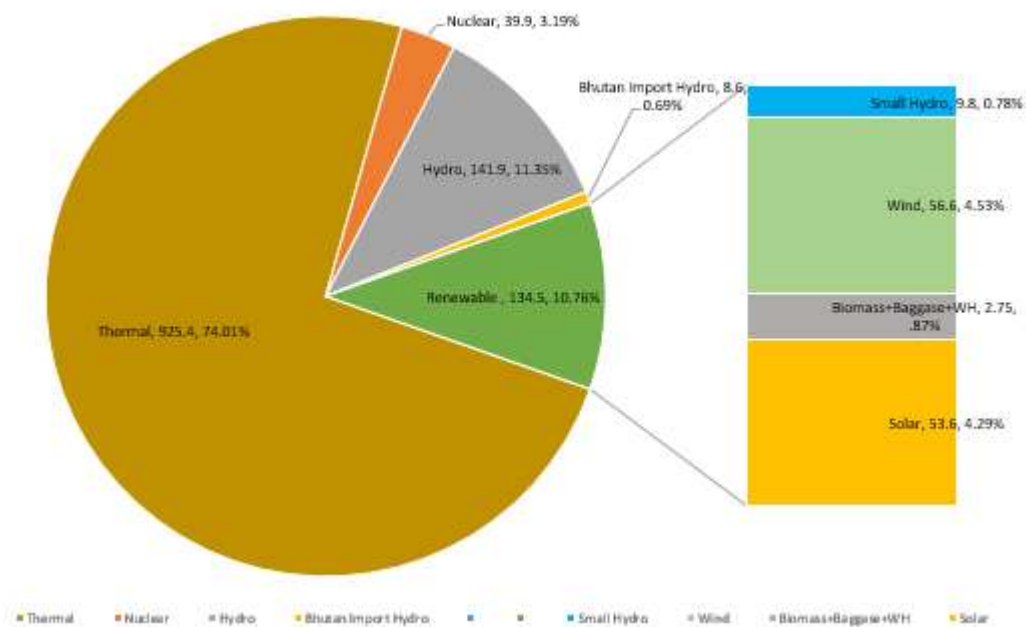


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-20 – Feb -21)

Table 2 State Wise Renewable Energy Generation

Renewable Energy Generation (State Wise) for the month of February 2021				
State	Feb'2020	Feb' 2021	April'2019- Feb '2020	April'2020- Feb'2021
Chandigarh	1.56	1.71	11.78	8.45
Delhi	30.72	33.70	393.33	389.59
Haryana	61.50	76.46	667.95	684.29
Himachal Pradesh	83.51	60.33	1990.55	2100.87
J & K	16.98	21.63	406.77	416.54
Ladakh	0.00	0.00	0.00	0.00
Punjab	279.49	231.99	2512.32	2623.70
Rajasthan	1270.41	1138.73	12955.32	15010.62
Uttar Pradesh	729.52	799.48	4432.72	4933.83
Uttarakhand	97.17	71.67	1091.14	1165.18
Northern Region	2570.84	2435.68	24461.87	27333.07
Chhattisgarh	117.28	167.77	997.42	1466.13
Gujarat	1358.51	1202.46	16209.34	16423.68
Madhya Pradesh	677.48	602.17	7522.56	7717.08
Maharashtra	1120.98	1252.90	12864.64	12482.77
Dadra and Nagar Haveli	0.58	3.92	5.51	11.21
Daman & Diu	2.11	3.90	19.72	34.35
Goa	0.15	0.10	0.69	1.30
Western Region	3277.08	3233.22	37619.88	38136.53
Andhra Pradesh	1007.89	1128.72	12898.08	12827.24
Telangana	631.26	620.39	6100.02	6225.46
Karnataka	2239.75	2148.13	23622.72	25692.88
Kerala	46.51	47.71	747.52	1023.79
Tamil Nadu	1224.65	1196.22	18828.24	20498.54
Lakshadweep	0.06	0.03	0.59	0.43
Puducherry	0.37	1.02	3.77	5.37
Southern Region	5150.48	5142.22	62200.95	66273.70
Andaman Nicobar	1.16	2.60	16.14	36.08
Bihar	49.98	13.69	313.43	212.92
Jharkhand	3.74	1.89	18.87	24.58
Orissa	56.19	65.47	719.24	799.85
Sikkim	1.24	5.41	59.12	54.93
West Bengal	121.41	129.21	1344.02	1386.05
Eastern Region	233.71	218.26	2470.82	2514.41
Arunachal Pradesh	0.22	0.20	2.02	1.90
Assam	2.18	7.09	56.44	44.18
Manipur	0.32	0.42	3.89	7.25
Meghalaya	2.70	5.53	58.71	52.76
Mizoram	2.47	0.80	46.22	33.28
Nagaland	3.48	4.86	73.11	67.62
Tripura	3.24	1.91	25.47	13.65
North Eastern Region	14.61	20.81	265.86	220.63
All India Total	11246.72	11050.20	127019.37	134478.34

Table 3 State Wise Wind Power Generation

Wind Power Generation (State Wise) for the month of February 2021				
State	Feb'2020	Feb 2021	April'2019- Feb '2020	April'2020- Feb 2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	16.90	0.00
Rajasthan	398.82	237.03	5712.20	5221.42
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	398.82	237.03	5729.10	5221.42
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	959.47	742.23	12682.15	12058.07
Madhya Pradesh	264.81	189.81	4080.77	3568.26
Maharashtra	292.79	298.90	7590.06	6068.96
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	1517.07	1230.94	24352.98	21695.29
Andhra Pradesh	367.73	366.14	7219.06	6109.92
Telangana	20.25	14.57	222.78	204.44
Karnataka	524.71	528.36	9731.01	9078.88
Kerala	8.16	5.87	115.60	125.06
Tamil Nadu	682.14	489.92	13815.58	14182.08
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	1602.99	1404.86	31104.02	29700.39
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	54.66	0.00
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region	0.00	0.00	54.66	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	1.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.00	0.00	0.00	1.00
All India Total	3518.87	2872.83	61240.76	56618.10

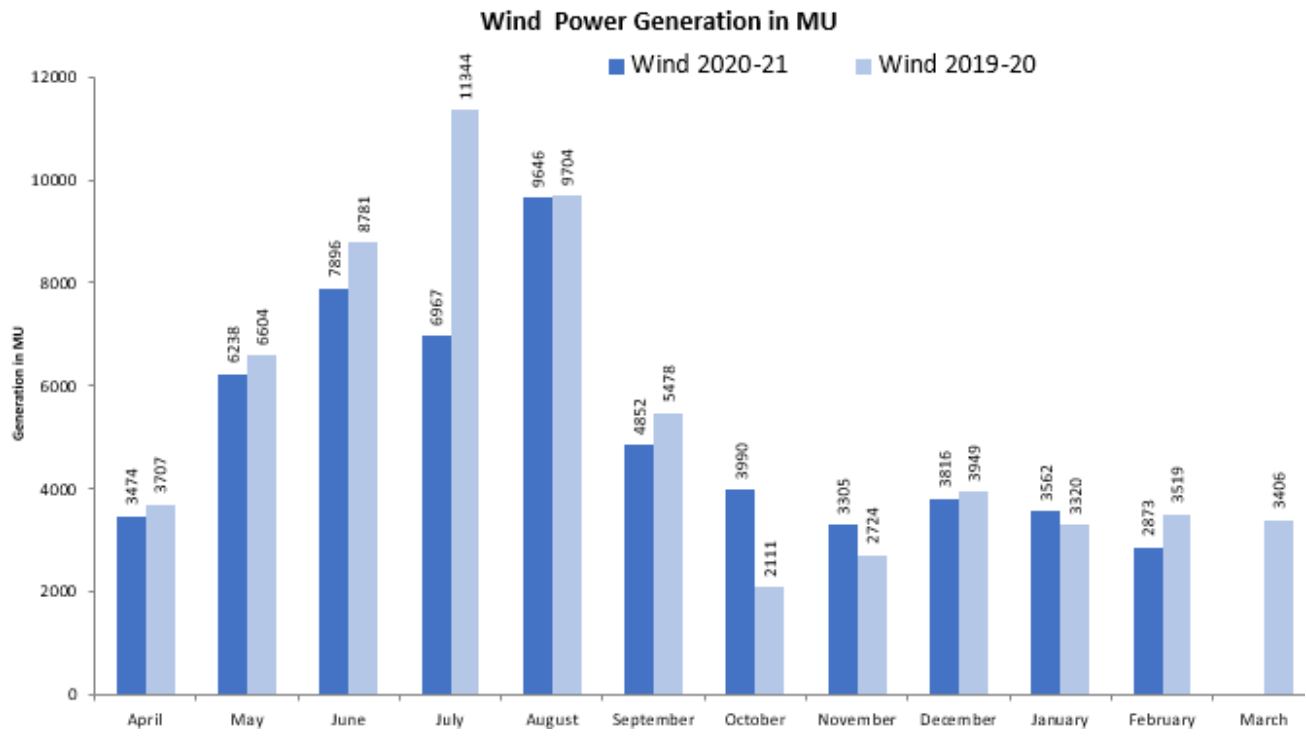


Figure 13 Monthly Wind Power Generation (2020-21 Up to Feb-21)

Table 4 State Wise Solar Power Generation

Solar Energy Generation (State Wise) for the month of February 2021					
State	Feb'2020	Feb'2021	April'2019- '2020	Feb '2021	April'2020- '2021
Chandigarh	1.56	1.71	11.78		8.45
Delhi	11.08	11.74	127.84		174.84
Haryana	5.58	34.78	118.78		128.17
Himachal Pradesh	1.98	2.78	8.73		33.32
J & K	0.00	1.23	0.00		7.83
Ladakh	0.00	0.00	0.00		0.00
Punjab	114.06	105.24	1242.60		1230.27
Rajasthan	839.22	867.50	6883.22		9397.07
Uttar Pradesh	149.28	214.80	1293.38		1598.38
Uttarakhand	29.12	24.63	305.27		305.01
Northern Region	1151.87	1264.41	9991.59		12883.32
Chhattisgarh	29.42	34.95	293.14		335.85
Gujarat	366.42	438.28	3228.17		4102.10
Madhya Pradesh	362.42	376.16	3101.87		3787.07
Maharashtra	218.02	235.71	2115.87		2310.08
Dadra and Nagar Haveli	0.58	3.92	5.51		11.21
Daman & Diu	2.11	2.80	19.72		24.92
Goa	0.15	0.10	0.69		1.30
Western Region	979.12	1091.92	8764.96		10572.53
Andhra Pradesh	579.23	689.28	5210.28		6161.67
Telangana	570.24	571.38	5613.98		5696.63
Karnataka	1259.99	1141.88	9874.18		11931.85
Kerala	14.04	14.04	126.49		239.14
Tamil Nadu	482.24	586.65	4352.14		5460.61
Lakshadweep	0.06	0.03	0.59		0.43
Puducherry	0.37	1.02	3.78		5.37
Southern Region	2906.16	3004.28	25181.44		29495.69
Andaman Nicobar	0.86	1.87	10.73		21.98
Bihar	12.92	11.55	143.17		149.08
Jharkhand	1.16	1.62	14.69		15.53
Orissa	31.31	46.21	321.09		421.02
Sikkim	0.00	0.00	0.00		0.00
West Bengal	5.72	8.50	57.47		63.74
Eastern Region	51.97	69.75	547.16		671.38
Arunachal Pradesh	0.17	0.15	1.43		1.40
Assam	0.50	3.98	5.58		8.72
Manipur	0.32	0.42	2.32		7.25
Meghalaya	0.00	0.00	0.00		0.00
Mizoram	0.03	0.43	0.41		2.22
Nagaland	0.00	0.00	0.00		0.00
Tripura	0.52	0.47	2.91		5.51
North Eastern Region	1.54	5.43	12.65		25.09
All India Total	5090.66	5435.80	44497.80		53648.00

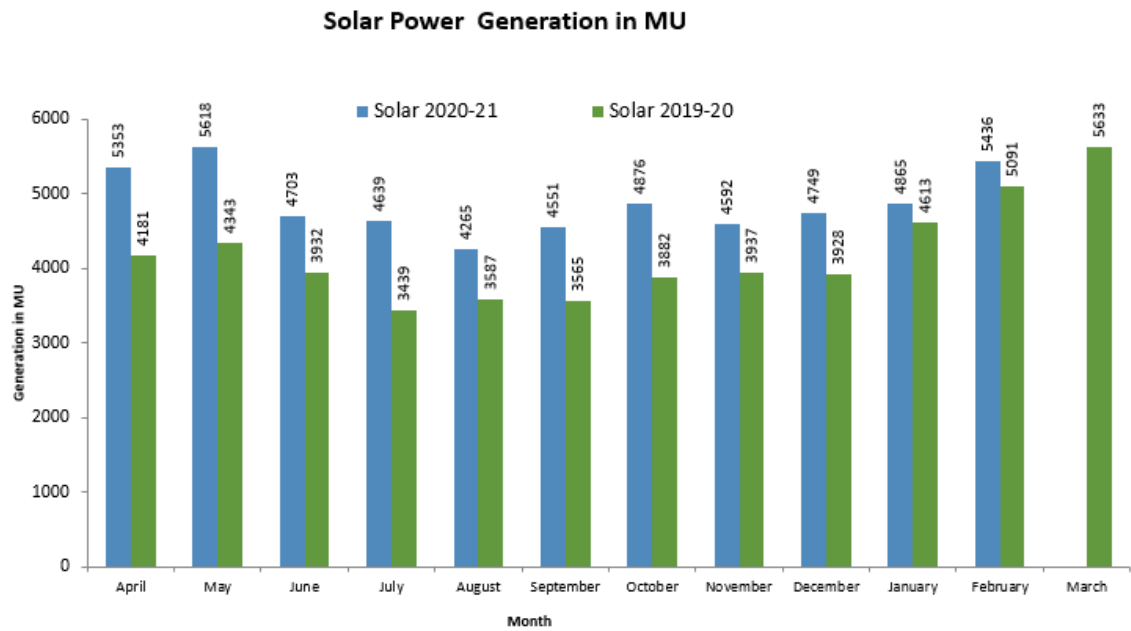


Figure 14 Monthly Solar Power Generation (2020-21 Up to Feb-21)

Table 5 State Wise Biomass Power Generation

Biomass Energy Generation (State Wise) for the month of February 2021					
State	Feb'2020	Feb'2021	April'2019- '2020	Feb April'2020- '2021	Feb
Chandigarh	0.00	0.00	0.00		0.00
Delhi	0.00	0.00	0.00		0.00
Haryana	11.63	14.81	172.14		164.07
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	51.20	50.43	368.01		536.13
Rajasthan	31.48	32.85	355.13		382.49
Uttar Pradesh	22.18	7.69	104.25		127.06
Uttarakhand	0.00	0.00	0.00		0.00
Northern Region	116.50	105.78	999.53		1209.75
Chhattisgarh	81.45	118.76	612.49		970.57
Gujarat	11.61	0.00	96.16		43.15
Madhya Pradesh	0.16	0.10	1.65		0.48
Maharashtra	36.77	24.06	377.59		302.80
Dadra and Nagar Haveli	0.00	0.00	0.00		0.00
Daman & Diu	0.00	1.10	0.00		9.43
Goa	0.00	0.00	0.00		0.00
Western Region	129.98	144.02	1087.89		1326.42
Andhra Pradesh	14.58	11.12	133.63		121.45
Telangana	13.83	14.57	111.73		151.87
Karnataka	12.11	14.72	142.62		192.12
Kerala	0.00	0.00	0.00		0.00
Tamil Nadu	11.19	12.97	103.48		134.89
Lakshadweep	0.00	0.00	0.00		0.00
Puducherry	0.00	0.00	0.00		0.00
Southern Region	51.71	53.37	491.46		600.33
Andaman Nicobar	0.00	0.00	0.00		0.00
Bihar	1.94	2.14	17.13		19.16
Jharkhand	0.00	0.00	0.00		0.00
Orissa	8.62	6.36	59.79		32.70
Sikkim	0.00	0.00	0.00		0.00
West Bengal	0.00	0.00	0.00		0.00
Eastern Region	10.56	8.49	76.92		51.85
Arunachal Pradesh	0.00	0.00	0.00		0.00
Assam	0.00	0.00	0.00		0.00
Manipur	0.00	0.00	0.00		0.00
Meghalaya	0.00	0.00	0.00		0.00
Mizoram	0.00	0.00	0.00		0.00
Nagaland	0.00	0.00	0.00		0.00
Tripura	0.00	0.00	0.00		0.00
North Eastern Region	0.00	0.00	0.00		0.00
All India Total	308.75	311.67	2655.80		3188.36

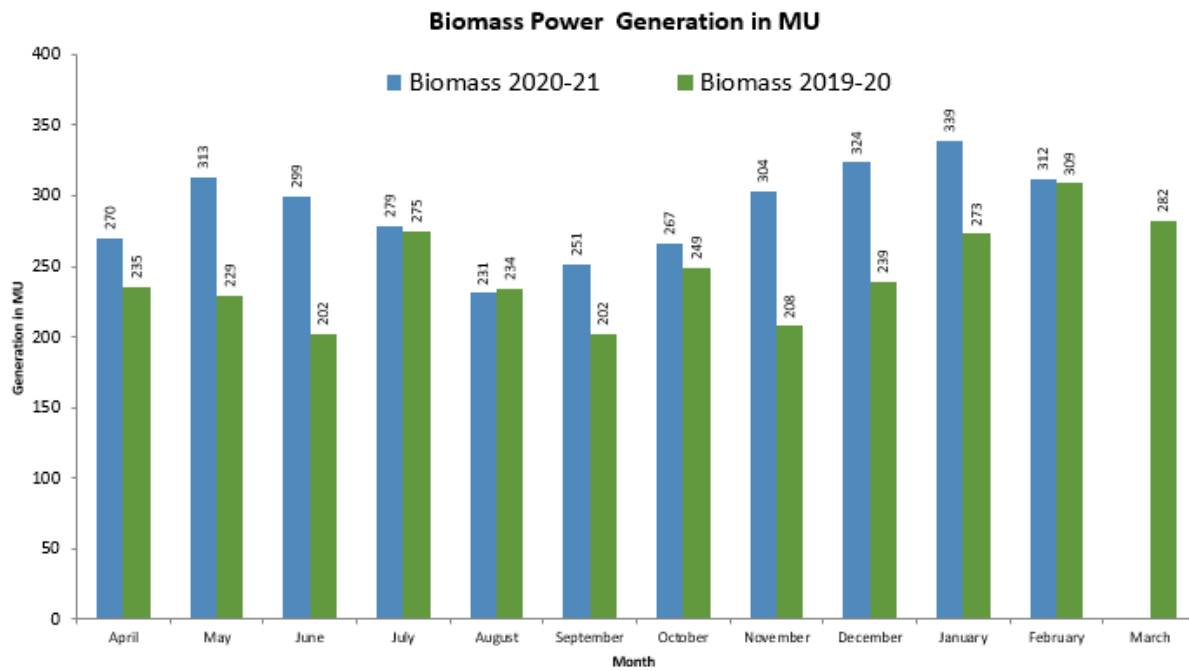


Figure 15 Monthly Biomass Power Generation (2020-21 Up to Feb-21)

Table 6 State Wise Bagasse Power Generation

Bagasse Energy Generation (State Wise) for the month of February 2021				
State	Feb'2020	Feb'2021	April'2019- Feb'2020	April'2020- Feb '2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	14.83	20.71	69.74	121.63
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	46.23	50.32	223.16	189.50
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	576.90	548.48	3026.99	3054.08
Uttarakhand	23.65	20.26	90.31	65.07
Northern Region	661.61	639.77	3410.21	3430.27
Chhattisgarh	0.00	6.37	0.00	21.88
Gujarat	2.28	3.09	12.39	18.17
Madhya Pradesh	24.16	17.15	82.48	62.85
Maharashtra	546.90	633.37	2215.35	3087.41
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	573.34	659.97	2310.22	3190.31
Andhra Pradesh	6.57	11.32	46.29	57.75
Telangana	28.59	8.09	102.27	50.98
Karnataka	496.02	392.86	2156.33	2361.72
Kerala	0.00	2.58	11.03	41.32
Tamil Nadu	22.16	90.50	323.36	487.91
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	553.34	505.35	2639.28	2999.67
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	31.99	0.00	137.88	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	86.64	0.00	1150.46	148.73
Eastern Region	118.63	0.00	1288.34	150.21
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	1906.91	1805.08	9648.05	9770.46

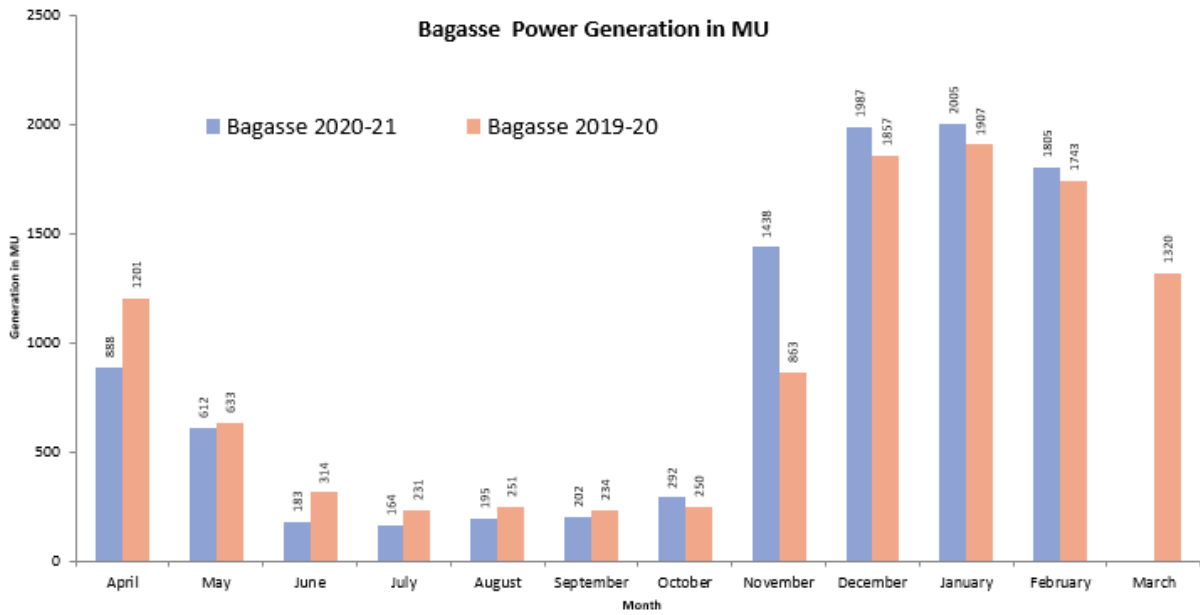


Figure 16 Monthly Bagasse Power Generation (2020-21 Up to Feb-21)

Table 7 State Wise Small Hydro Generation

Small Hydro Energy Generation (State Wise) for the month of February 2021				
State	Feb'2020	Feb'2021	April'2019- Feb '2020	April'2020- Feb '2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	25.04	6.16	302.86	270.42
Himachal Pradesh	77.85	57.55	1978.13	2067.55
J & K	13.17	20.40	402.95	408.71
Ladakh	0.00	0.00	0.00	0.00
Punjab	55.50	25.97	648.90	667.70
Rajasthan	1.44	1.35	5.32	9.64
Uttar Pradesh	4.71	28.50	31.66	154.31
Uttarakhand	41.58	26.78	692.74	795.10
Northern Region	219.28	166.71	4062.56	4373.44
Chhattisgarh	6.28	7.69	91.66	137.83
Gujarat	17.67	18.87	173.32	191.59
Madhya Pradesh	27.25	15.77	235.33	265.67
Maharashtra	59.80	60.85	598.29	713.46
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	111.00	103.17	1098.59	1308.55
Andhra Pradesh	34.65	41.35	277.55	320.46
Telangana	3.03	4.56	44.58	60.49
Karnataka	92.81	70.31	1864.47	2128.31
Kerala	27.90	25.22	497.99	618.26
Tamil Nadu	29.06	16.19	235.85	233.05
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	187.45	157.63	2920.43	3360.57
Andaman Nicobar	0.74	0.73	5.86	14.09
Bihar	0.69	0.00	12.82	43.20
Jharkhand	0.00	0.27	0.27	0.87
Orissa	16.64	12.90	284.07	346.14
Sikkim	6.92	5.41	64.80	54.93
West Bengal	1.88	2.98	110.23	103.37
Eastern Region	26.86	22.28	478.05	570.78
Arunachal Pradesh	0.04	0.05	0.59	0.50
Assam	1.03	3.12	50.21	35.45
Manipur	0.28	0.00	1.85	0.00
Meghalaya	5.36	5.53	61.37	52.76
Mizoram	3.07	0.37	46.44	31.06
Nagaland	5.05	4.86	74.67	66.62
Tripura	2.72	1.44	22.56	8.14
North Eastern Region	17.57	15.38	257.70	194.54
All India Total	562.16	465.17	8817.32	9807.89

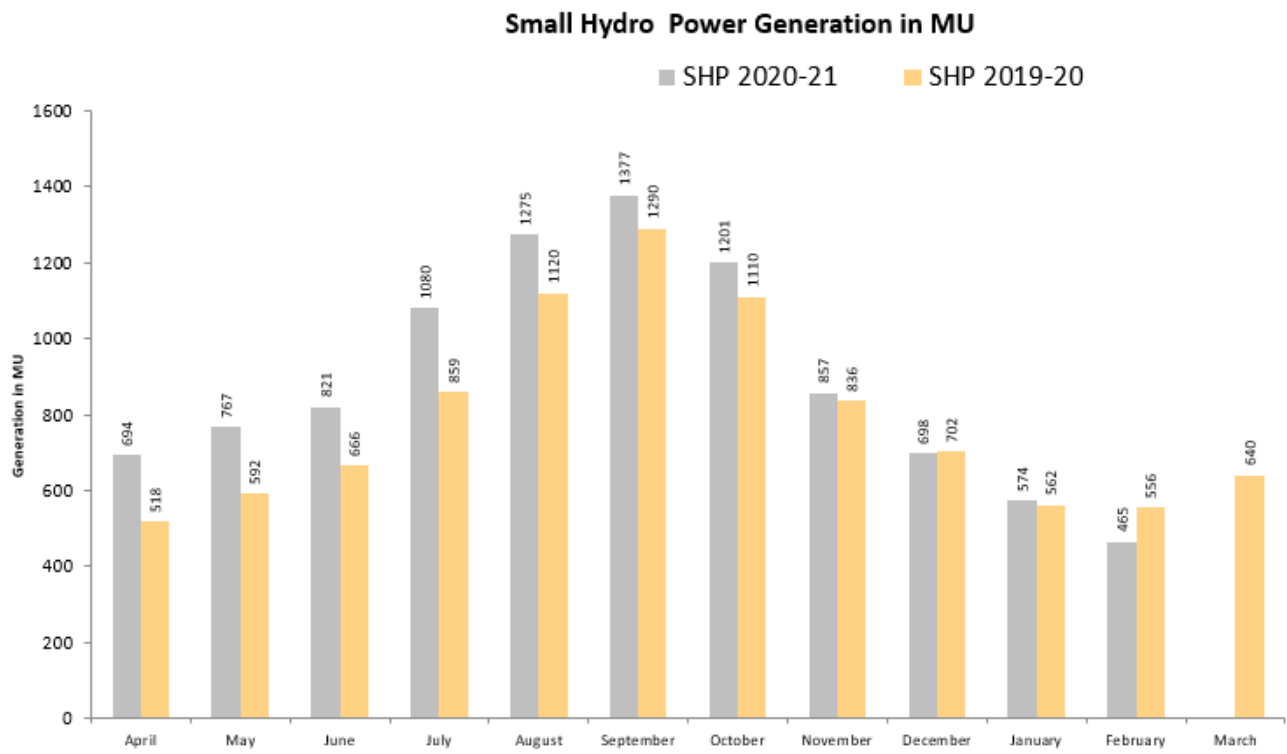


Figure 17 Monthly Small Hydro Power Generation (2020-21 Up to Feb-21)

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

Other RE sources Energy Generation (State Wise) for the month of February 2021				
State	Feb'2020	Feb'2021	April'2019- Feb '2020	April'2020- Feb '2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	19.63	21.95	265.51	214.76
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	0.05	0.03	0.29	0.11
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	19.68	21.98	265.80	214.86
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	16.07	10.61
Madhya Pradesh	4.29	3.19	26.08	32.76
Maharashtra	0.03	0.00	0.81	0.07
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	4.32	3.20	42.96	43.43
Andhra Pradesh	0.64	9.51	6.78	55.99
Telangana	4.04	7.22	13.39	61.05
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	4.67	16.73	20.17	117.05
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	117.74	0.00	1070.19
Eastern Region	0.00	117.74	0.00	1070.19
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	28.68	159.65	328.94	1445.53

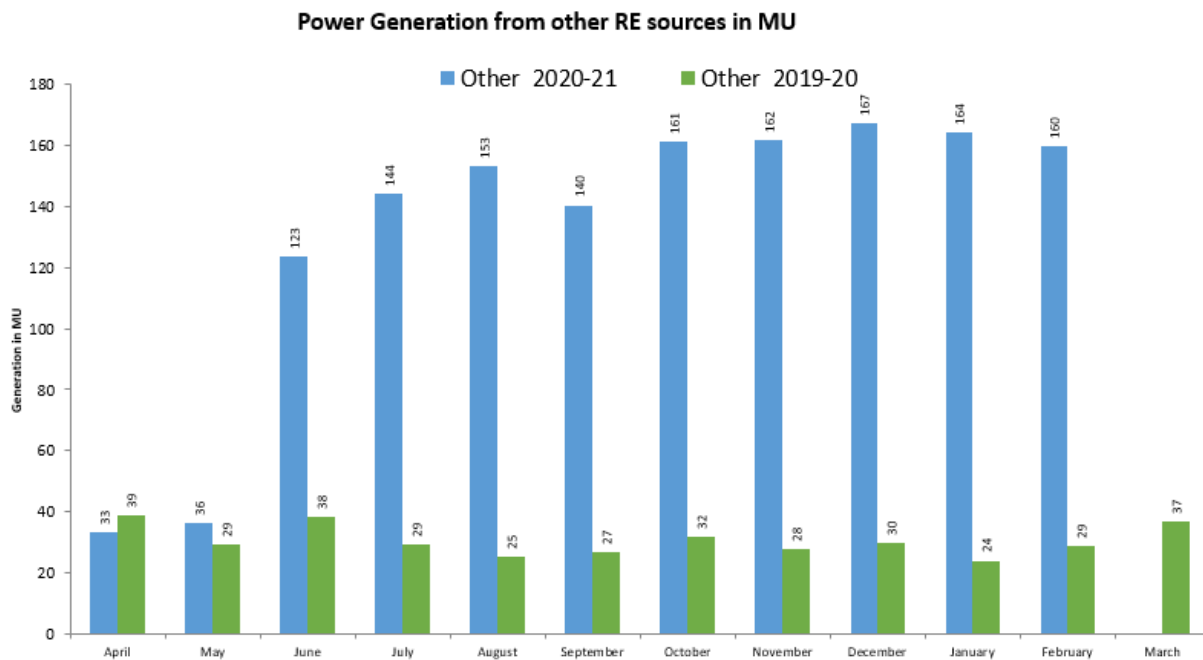


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation (2020-21 Up to Feb-21)

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for February 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
AURAIYA	Uttar Pradesh	Central	NTPC	Solar	20	1.75	13%
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.52	15%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.87	19%
UNCHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	1.52	23%
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	7.68	23%
MAHOBA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	31.10	23%
AZURE FORTY THREE PVT LTD	Rajasthan	Private	IPP	Solar	300	44.29	22%
ACME CHITTORGARH ENERGY PVT LTD.	Rajasthan	Private	IPP	Solar	250	45.06	27%
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	36.37	27%
AZURE POWER THIRTY FOUR PRIVATE LTD	Rajasthan	Private	IPP	Solar	130	26.00	30%
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Rajasthan	Private	IPP	Solar	50	8.03	24%
CLEAN SOLAR POWER (BHADLA) PVT LDT	Rajasthan	Private	IPP	Solar	300	60.67	30%
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	9.90	29%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	48.09	29%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	39.69	30%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	29.53	29%
Northern Region					2180	392.07	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	45.28	27%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	44.45	26%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	45.15	27%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	22.98	14%
ALFANAR WIND	Gujarat	Private	IPP	Wind	300	32.31	16%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	31.48	19%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	25.22	13%

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

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
ADANI GREEN ENERGY MP LTD(DAYAPAR)	Gujarat	Private	IPP	Wind	176.6	20.24	17%
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	250	15.73	9%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	32.90	20%
RENEW WIND ENERGY AP2	Gujarat	Private	IPP	Wind	300	24.14	12%
Western Region					250	339.89	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	44.19	26%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	31.46	23%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	23.18	18%
BETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	126.2	24.08	28%
Southern Region					763.2	122.91	
Total					5469.8	854.87	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise) for February 2021						
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)	Monthly CUF (%)
				February 2021	April 2020 to February 2021	
NTPC						
NTPC Faridabad_Solar	Haryana	5	Solar	0.53	6.10	15.77
NTPC Bhadla	Rajasthan	260	Solar	35.70	401.90	20.43
NTPC Dadri_Solar	Uttar Pradesh	5	Solar	0.52	6.00	15.48
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	1.52	13.05	22.62
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	1.87	19.17	18.55
NTPC Auraiya	Uttar Pradesh	20	Solar	1.75	4.86	13.02
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	1.94	16.13	36.09
NTPC Rojmal	Gujarat	50	Wind	5.55	76.71	16.52
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	6.99	71.04	20.80
NTPC Mandsaur	Madhya Pradesh	250	Solar	35.86	363.01	21.35
NTPC Anantapuram	Andhra Pradesh	250	Solar	36.15	342.35	21.52
NTPC Ramagundam	Telangana	10	Solar	1.21	12.84	18.01
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.52	4.70	15.48
NTPC Talchar _Solar	Orissa	10	Solar	1.71	13.02	25.45
NTPC Solar_Bilhaur *	Uttar Pradesh	210	Solar	28.10	31.73	19.91
Total NTPC		1158		159.92	1382.61	
THDC						
THDC Patan Wind Power Project	Gujarat	50	Wind	3.94	69.91	11.73
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	7.91	127.27	18.68
THDC Solar Kasaragod	Kerala	50	Solar	6.35	11.70	18.90
THDCIL's premises at Rishikesh	Uttarakhand	0.5	Solar	0.01	0.38	2.98
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	11.73	70.47	72.73
Total THDC		187.5		29.94	279.73	
NHPC						
NHPC Wind Power Project	Rajasthan	50	Wind	3.84	49.11	11.42
NHPC Solar Power Project	Tamilnadu	50	Solar	6.20	67.12	18.45
Total NHPC		100		10.03	116.24	
ONGC						
ONGC Wind, Bhuj	Gujarat	51	Wind	1.85	60.62	5.39
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	4.08	108.89	5.95

Renewable Energy Generation Data (CPSU Wise) for February 2021

ONGC Solar, Goa	Goa	1	Solar	0.10	1.30	14.79
ONGC Solar, Hazira	Gujarat	10	Solar	0.00	12.28	0.00
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.00	6.35	0.00
ONGC Solar,Rajahmundry	Andhra Pradesh	1	Solar	0.00	0.96	0.00
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.00	0.63	0.00
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5	Solar	0.19	1.91	5.51
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.00	3.93	0.00
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.05	1.45	4.53
ONGC Solar, Uttarakhand (RTS)	Uttarakhand	1.236	Solar	0.00	1.20	0.00
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.00	0.22	0.00
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.00	0.02	0.00
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.065	Solar	0.00	0.06	0.00
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00
Total ONGC		184		6.31	199.81	
SJVN Limited						
Khirvire Wind Power	Maharashtra	47.6	Wind	0.68	44.71	2.12
Sadla Wind Power	Gujarat	50	Solar	4.84	62.98	14.42
Charanka Solar Power	Gujarat	5.6	Solar	0.79	5.51	20.95
Total SJVN		103.2		6.31	113.20	9.10
Oil India Ltd						
Oil India Ltd	Rajasthan	14	Solar	2.00	22.78	21.25
Oil India Ltd	Rajasthan	67.6	Wind	2.45	59.53	5.39
Oil India Ltd	Gujarat	43.3	Wind	4.80	84.84	16.48
Oil India Ltd	Madhya Pradesh	63.2	Wind	5.42	102.78	12.77
Total Oil India Ltd		188.1		14.67	269.94	
NEEPCO						
NEEPCO	Tripura	5	Solar	0.47	4.83	13.90
DVC						
DVC	West Bengal	0.078	Solar	0.01	0.04	13.35
DVC	Jharkhand	4	Small Hydro	0.27	9.02	9.88
DVC	West Bengal	0.078	Solar	0.27	9.06	
All India Total		1929.88		227.88	2375.41	

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

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

Table 11 RE Curtailment Data as available from SLDCs

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

*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
20-02-2021	43	10:40:00	300	300	1840	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
20-02-2021	44	10:45:00	100	100	1837	curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
20-02-2021	44	10:45:00	100	100	1837	curtailed to maintain grid security as per IEGC regulation (At Talarichruvu SS)
20-02-2021	45	11:00:00	-300	0	1447	Released to maintain grid security as per IEGC regulation (At Ghani SS)
20-02-2021	45	11:00:00	-100	0	1447	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
20-02-2021	45	11:00:00	-100	0	1447	Released to maintain grid security as per IEGC regulation (At Talarichruvu SS)
21-02-2021	65	16:01:00	200	200	874	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
21-02-2021	65	16:01:00	50	50	874	curtailed to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
21-02-2021	67	16:40:00	-200	0	594	Released to maintain grid security as per IEGC regulation (At Ghani SS)
21-02-2021	67	16:40:00	-50	0	594	Released to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)

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
01-02-2021	61	15:03:00	50	50	220	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-02-2021	61	15:03:00	50	50	746	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-02-2021	64	15:55:00	-30	20	537	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
01-02-2021	65	16:04:00	-20	0	596	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
01-02-2021	65	16:04:00	-50	0	150	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-02-2021	0	00:00:00	0	0		curtailment--NIL
03-02-2021	81	20:13:00	40	40	358	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-02-2021	81	20:13:00	40	40	962	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-02-2021	84	20:45:00	-20	20	285	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-02-2021	84	20:45:00	-20	20	799	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-02-2021	85	21:01:00	-20	0	307	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-02-2021	85	21:01:00	-20	0	858	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-02-2021	0	00:00:00	0	0		curtailment--NIL
05-02-2021	0	00:00:00	0	0		curtailment--NIL
06-02-2021	1	00:02:00	40	40	354	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	1	00:02:00	40	40	1004	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	3	00:40:00	-40	0	708	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	3	00:40:00	-40	0	300	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	9	02:02:00	30	30	292	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	9	02:02:00	30	30	871	Wind generators with permanent

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)
06-02-2021	10	02:21:00	-30	0	749	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	10	02:21:00	-30	0	266	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	91	22:30:00	50	50	213	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	91	22:30:00	30	30	581	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	95	23:40:00	-50	0	226	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-02-2021	95	23:40:00	-30	0	516	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-02-2021	0	00:00:00	0	0		curtailment--NIL
15-02-2021	2	00:20:00	50	50	355	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-02-2021	2	00:20:00	30	30	969	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-02-2021	5	01:05:00	-50	0	322	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-02-2021	5	01:05:00	-30	0	787	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-02-2021	0	00:00:00	0	0		curtailment--NIL
17-02-2021	95	23:37:00	50	50	417	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-02-2021	95	23:37:00	30	30	1412	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-02-2021	96	23:58:00	-30	0	1243	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
17-02-2021	96	23:58:00	-50	0	405	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-02-2021	4	00:47:00	50	50	417	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-02-2021	4	00:47:00	40	40	1412	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-02-2021	5	01:08:00	-20	20	1100	Wind generators with permanent

Date	Block No	Time	Wind curtailment (MW)	Total Wind Curtailment (MW)	Wind generation (MW)	Reasons for Backing down
						connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-02-2021	9	02:10:00	-20	0	1189	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-02-2021	9	02:10:00	-50	0	326	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-02-2021	0	00:00:00	0	0		curtailment--NIL
20-02-2021	24	05:47:00	50	50	232	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	24	05:47:00	50	50	342	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	24	05:58:00	50	100	233	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	24	05:58:00	30	80	307	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	28	06:58:00	-100	0	86	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	28	06:58:00	-80	0	140	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	43	10:40:00	100	100	143	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	43	10:40:00	100	100	262	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	45	11:05:00	-50	50	84	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	45	11:05:00	-50	50	166	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	47	11:35:00	-30	20	247	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	49	12:01:00	-20	0	262	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-02-2021	49	12:01:00	-50	0	142	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	63	15:33:00	50	50	329	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	63	15:33:00	50	50	817	Wind generators with permanent connectivity are curtailed to maintain grid

Date	Block No	Time	Wind curtailment (MW)	Total Wind Curtailment (MW)	Wind generation (MW)	Reasons for Backing down
						security as per IEGC regulation (in percentage)
21-02-2021	64	15:50:00	50	100	270	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	64	15:50:00	30	80	610	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	71	17:36:00	-50	50	526	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	71	17:36:00	-30	50	526	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	72	17:46:00	-50	0	587	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-02-2021	72	17:46:00	-50	0	587	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 February 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
AURAIYA SOLAR	Solar	1.83	1.78	-0.05
ACME CHITTORGARH ENERGY PVT LTD	Solar	42.76	45.06	2.31
AZURE FORTY THREE PVT LTD	Solar	44.59	44.29	-0.31
AZURE SOLAR	Solar	37.01	36.37	-0.64
AZURE SOLAR THIRTY FOUR	Solar	25.82	26.00	0.19
CLEAN SOLAR POWER(BHADLA) PVT LTD.	Solar	56.09	60.67	4.59
DADRI SOLAR	Solar	0.50	0.52	0.01
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Solar	7.47	7.68	0.21
MAHOBBA SOLAR	Solar	31.93	31.10	-0.83
RENEW SOLAR	Solar	10.00	9.90	-0.10
RENEW SOLAR POWER LTD PVT BIKANER	Solar	47.16	48.09	0.93
SB ENERGY	Solar	38.41	39.69	1.28
SINGRAULI SOLAR	Solar	1.92	1.79	-0.14
TATA POWER RENEWABLE	Solar	28.61	29.53	0.92
UNCHAHAAR SOLAR	Solar	1.27	1.20	-0.07
Western Region				
ACME SOLAR (RAMNAGAR)	Solar	45.11	45.28	0.17
ADANI GREEN ENERGY MP LTD	Wind	5.96	20.24	14.28
ALFANAR WIND	Wind	35.00	32.31	-2.69
ARINSUN SOLAR (BARSAITADESH)	Solar	42.88	44.45	1.57
GREEN INFRA WIND ENERGY LIMITED SECI 2	Wind	35.45	31.48	-3.96
GREEN INFRA WIND ENERGY LIMITED SECI 3	Wind	29.11	25.22	-3.89
INOX WIND	Wind	14.67	15.73	1.06
MAHINDRA SOLAR (BADWAR)	Solar	41.69	45.15	3.46
OSTRO -KUTCH	Wind	37.37	32.90	-4.46
RENEW WIND ENERGY AP2	Wind	26.94	24.14	-2.80
RENEW POWER	Solar	28.43	22.98	-5.46
Southern Region				
BEETAM	Wind	25.26	24.08	-1.17
GIREL	Wind	46.29	44.19	-2.10
MYTRAH	Wind	27.74	23.18	-4.57
ORANGE	Wind	33.60	31.46	-2.15

+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 February 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	1.71	1.71	100.00
Delhi	0.00	354.90	0.00	0.00	33.70	388.60	8.67
Haryana	1740.25	98.07	0.00	0.00	76.46	1914.78	3.99
HP	0.00	0.00	0.00	1116.14	60.33	1176.47	100.00
J & K	0.00	0.00	0.00	635.78	21.63	657.41	100.00
Ladakh	0.00	0.00	0.00	10.75	0.00	10.75	100.00
Punjab	1743.96	0.00	0.00	267.33	231.99	2243.28	22.26
Rajasthan	4256.29	55.40	400.08	64.29	1138.73	5914.79	27.10
Uttar Pradesh	9611.66	32.34	218.81	93.69	799.48	10755.98	10.34
Uttarakhand	0.00	193.30	0.00	622.16	71.67	887.13	78.21
Northern Region	17352.16	734.01	618.89	2810.14	2435.68	23950.88	24.49
Chhattisgarh	10831.50	0.00	0.00	22.78	167.77	11022.05	1.73
Gujarat	6982.03	662.74	304.80	323.02	1202.46	9475.05	19.32
Madhya Pradesh	10073.15	0.00	0.00	430.26	602.17	11105.58	9.30
Maharashtra	9737.94	547.58	368.98	459.45	1252.90	12366.85	16.83
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	3.92	3.92	100.00
Daman & Diu	0.00	0.00	0.00	0.00	3.90	3.90	100.00
Goa	0.00	0.00	0.00	0.00	0.10	0.10	100.00
Western Region	37624.62	1210.32	673.78	1235.51	3233.22	43977.45	11.69
Andhra Pradesh	4933.36	223.96	0.00	207.90	1128.72	6493.94	20.58
Telangana	4056.81	0.00	0.00	200.20	620.39	4877.40	16.82
Karnataka	2990.82	0.00	614.33	884.09	2148.13	6637.37	54.94
Kerala	0.64	0.00	0.00	612.13	47.71	660.48	99.90
Tamil Nadu	4621.80	105.53	797.82	312.75	1196.22	7034.12	32.79
Lakshadweep	0.00	0.00	0.00	0.00	0.03	0.03	100.00
Puducherry	0.00	11.44	0.00	0.00	1.02	12.46	8.19
Southern Region	16603.43	340.93	1412.15	2217.07	5142.22	25715.80	34.11
Andaman Nicobar	6.37	0.00	0.00	0.00	2.60	8.97	29.00
Bihar	3185.79	0.00	0.00	0.00	13.69	3199.48	0.43
Jharkhand	2235.80	0.00	0.00	10.39	1.89	2248.08	0.55
Orissa	4478.88	0.00	0.00	409.45	65.47	4953.80	9.59
Sikkim	0.00	0.00	0.00	228.71	5.41	234.12	100.00
West Bengal	6463.69	0.00	0.00	163.93	129.21	6756.83	4.34
Eastern Region	16370.53	0.00	0.00	812.48	218.26	17401.27	5.92
Arunachal Pradesh	0.00	0.00	0.00	125.35	0.20	132.44	94.79
Assam	218.16	256.40	0.00	20.18	7.09	495.16	5.51
Manipur	0.00	0.00	0.00	32.93	0.42	38.46	86.69
Meghalaya	0.00	0.00	0.00	45.76	5.53	46.56	110.17
Mizoram	0.00	0.00	0.00	11.33	0.80	16.19	74.89

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

State/UT	Fossil		Non Fossil				Non Fossil
Nagaland	0.00	0.00	0.00	5.50	4.86	7.41	139.88
Tripura	0.00	558.70	0.00	0.00	1.91	579.51	0.33
North Eastern Region	218.16	815.10	0.00	241.05	20.81	1315.74	19.90
All India Total	88168.90	3100.36	2704.82	7316.25	11050.20	112361.15	18.75

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 February 2021							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	1.71	1.71	100.00
Delhi	0.00	354.90	0.00	0.00	33.70	388.60	8.67
Haryana	1740.25	98.07	0.00	0.00	76.46	1914.78	3.99
HP	0.00	0.00	0.00	1116.14	60.33	1176.47	5.13
J & K	0.00	0.00	0.00	635.78	21.63	657.41	3.29
Ladakh	0.00	0.00	0.00	10.75	0.00	10.75	0.00
Punjab	1743.96	0.00	0.00	267.33	231.99	2243.28	10.34
Rajasthan	4256.29	55.40	400.08	64.29	1138.73	5914.79	19.25
Uttar Pradesh	9611.66	32.34	218.81	93.69	799.48	10755.98	7.43
Uttarakhand	0.00	193.30	0.00	622.16	71.67	887.13	8.08
Northern Region	17352.16	734.01	618.89	2810.14	2435.68	23950.88	10.17
Chhattisgarh	10831.50	0.00	0.00	22.78	167.77	11022.05	1.52
Gujarat	6982.03	662.74	304.80	323.02	1202.46	9475.05	12.69
Madhya Pradesh	10073.15	0.00	0.00	430.26	602.17	11105.58	5.42
Maharashtra	9737.94	547.58	368.98	459.45	1252.90	12366.85	10.13
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	3.92	3.92	100.00
Daman & Diu	0.00	0.00	0.00	0.00	3.90	3.90	100.00
Goa	0.00	0.00	0.00	0.00	0.10	0.10	100.00
Western Region	37624.62	1210.32	673.78	1235.51	3233.22	43977.45	7.35
Andhra Pradesh	4933.36	223.96	0.00	207.90	1128.72	6493.94	17.38
Telangana	4056.81	0.00	0.00	200.20	620.39	4877.40	12.72
Karnataka	2990.82	0.00	614.33	884.09	2148.13	6637.37	32.36
Kerala	0.64	0.00	0.00	612.13	47.71	660.48	7.22
Tamil Nadu	4621.80	105.53	797.82	312.75	1196.22	7034.12	17.01
Lakshadweep	0.00	0.00	0.00	0.00	0.03	0.03	100.00
Puducherry	0.00	11.44	0.00	0.00	1.02	12.46	8.19
Southern Region	16603.43	340.93	1412.15	2217.07	5142.22	25715.80	20.00
Andaman Nicobar	6.37	0.00	0.00	0.00	2.60	8.97	29.00
Bihar	3185.79	0.00	0.00	0.00	13.69	3199.48	0.43
Jharkhand	2235.80	0.00	0.00	10.39	1.89	2248.08	0.08
Orissa	4478.88	0.00	0.00	409.45	65.47	4953.80	1.32
Sikkim	0.00	0.00	0.00	228.71	5.41	234.12	2.31
West Bengal	6463.69	0.00	0.00	163.93	129.21	6756.83	1.91
Eastern Region	16370.53	0.00	0.00	812.48	218.26	17401.27	1.25
Arunachal Pradesh	0.00	0.00	0.00	125.35	0.20	132.44	0.15
Assam	218.16	256.40	0.00	20.18	7.09	495.16	1.43
Manipur	0.00	0.00	0.00	32.93	0.42	38.46	1.08
Meghalaya	0.00	0.00	0.00	45.76	5.53	46.56	11.89

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Mizoram	0.00	0.00	0.00	11.33	0.80	16.19	4.92
Nagaland	0.00	0.00	0.00	5.50	4.86	7.41	65.65
Tripura	0.00	558.70	0.00	0.00	1.91	579.51	0.33
North Eastern Region	218.16	815.10	0.00	241.05	20.81	1315.74	1.58
All India Total	88168.90	3100.36	2704.82	7316.25	11050.20	112361.15	9.83

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
December 2020	14.01	6.54	6.36	26.91
January 2021	13.82	6.53	6.36	26.71
February 2021	12.61	6.30	5.77	24.68
All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

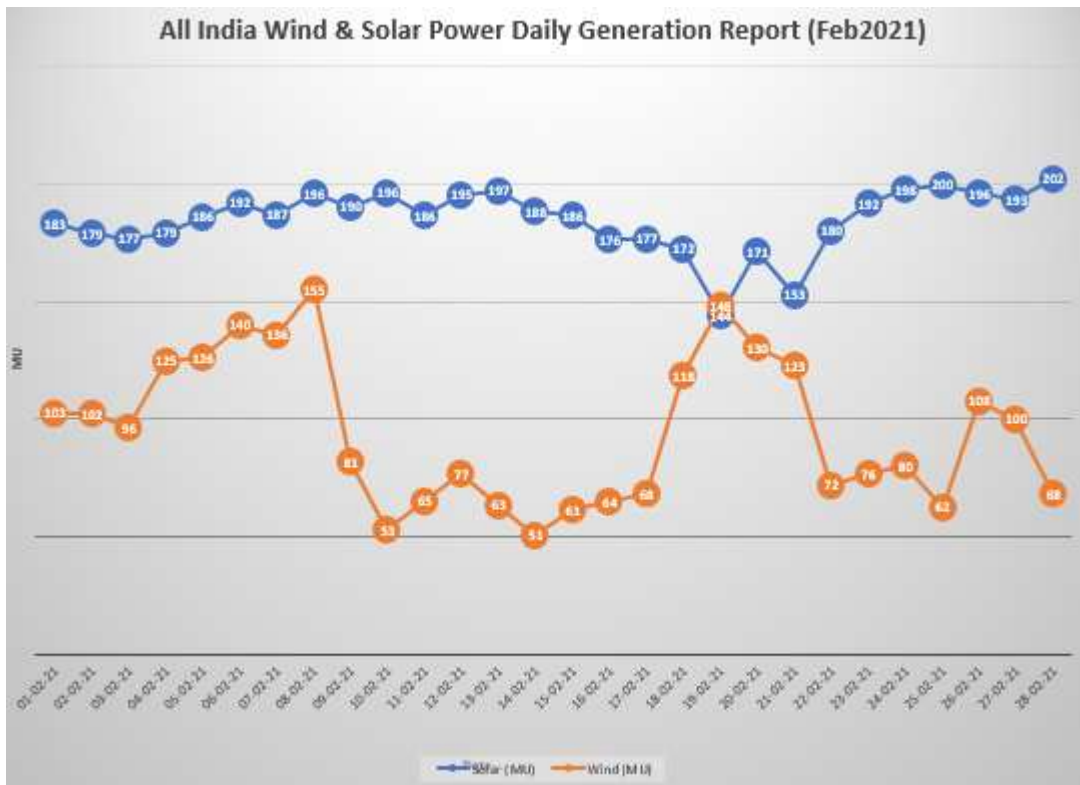


Figure 19 Daily Solar and wind Power Generation trend in the month of Feb-21



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