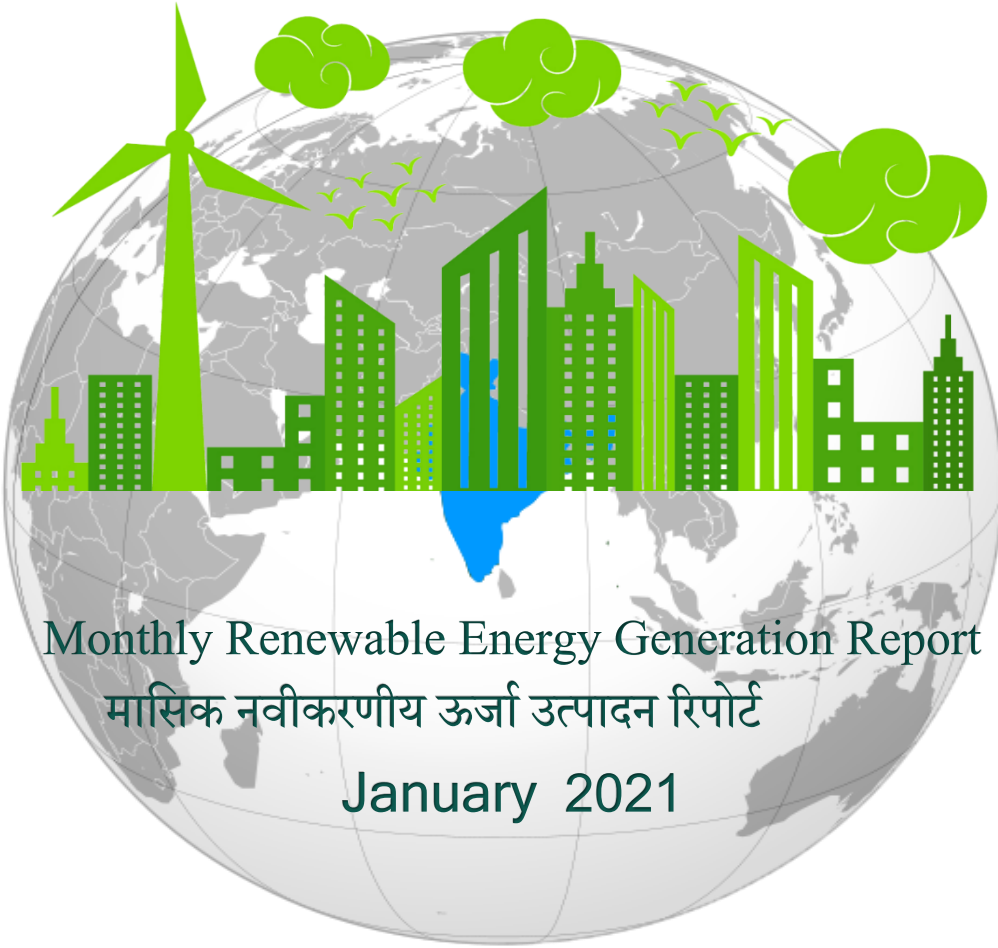




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Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



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

नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

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SUMMARY OF REPORT FOR THE MONTH OF JANUARY 2021

Decreased by 01.95% as compared to Dec 20.

Increased by 07.58 % as compared to Jan 21

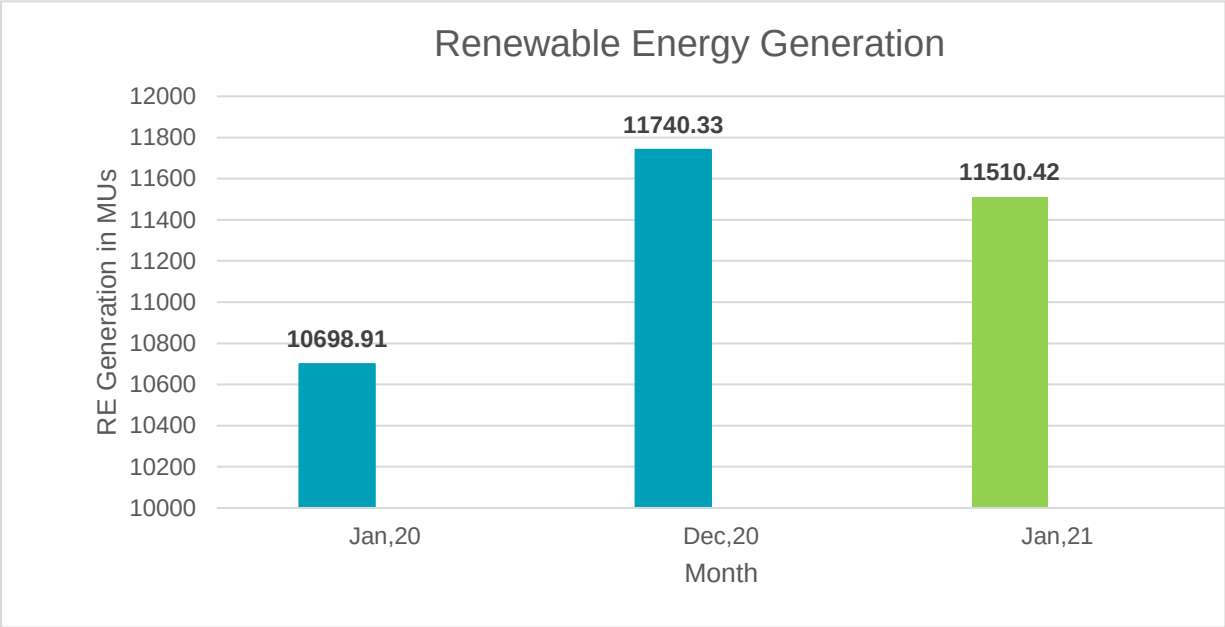


Figure 1: Renewable Energy Generation

Increased by 85.09 % as compared to Dec 20.

Increased by 238.54% as compared to Jan 20

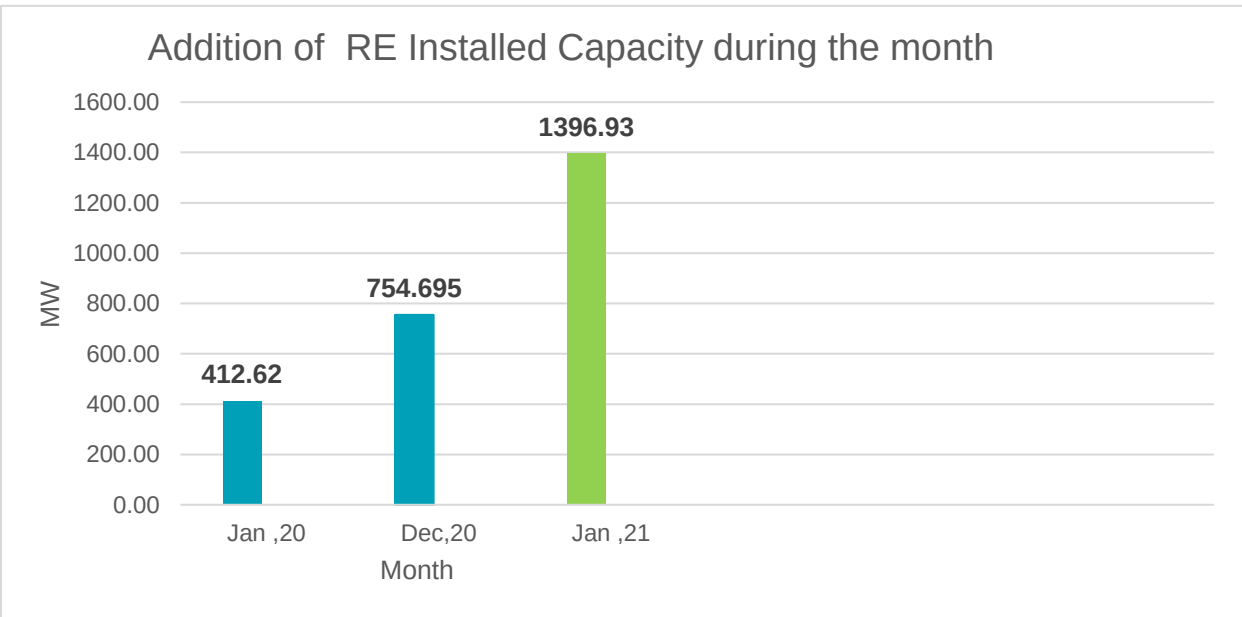


Figure 2 RE capacity added during the Month

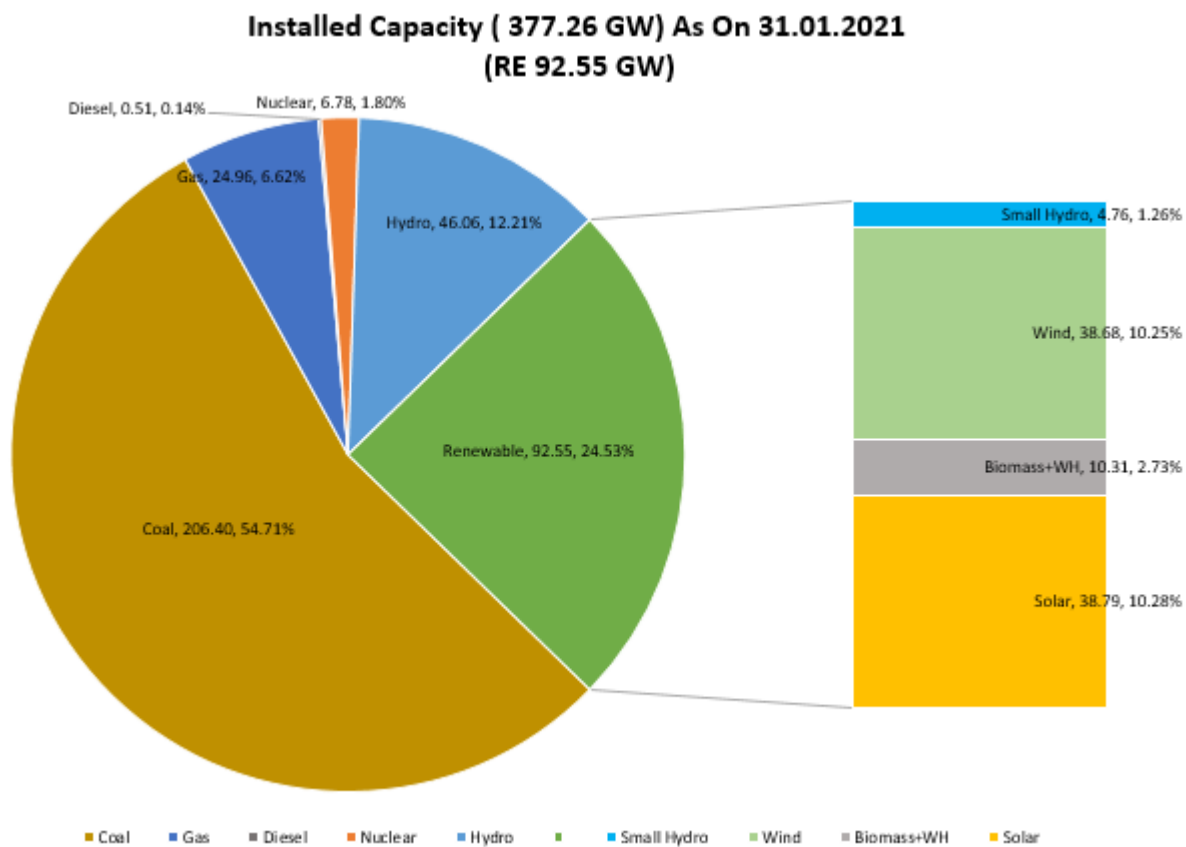


Figure 1 Installed Capacity in India as on 31.01.2021

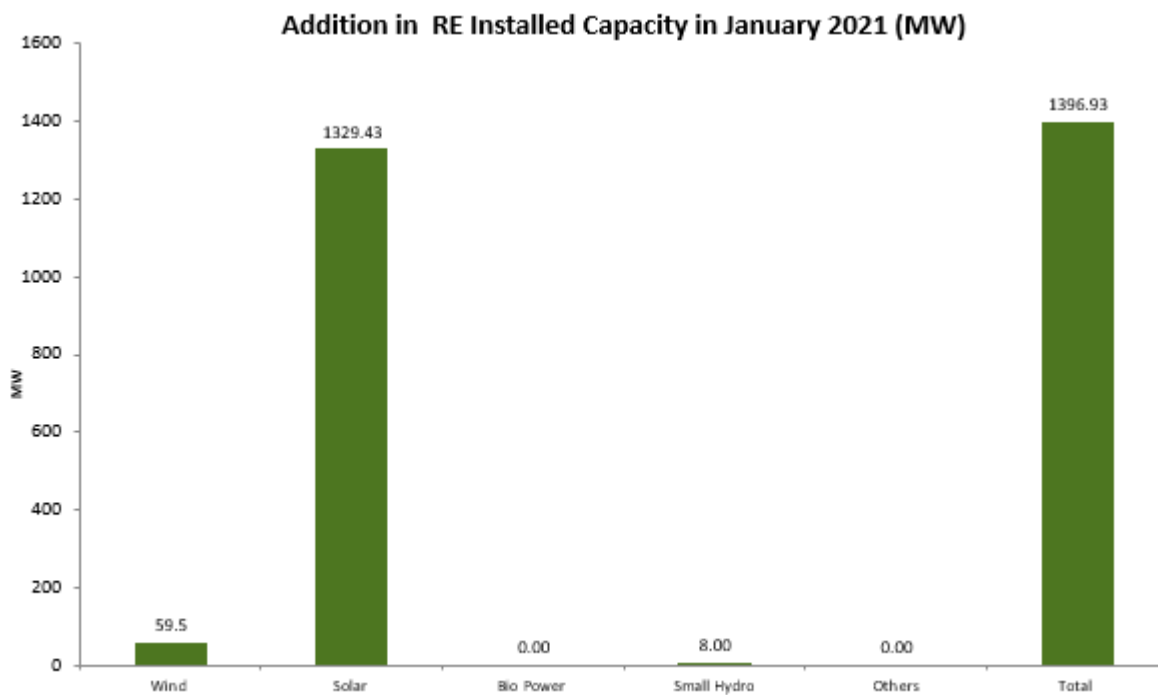


Figure 2: Source wise addition in RE Installed Capacity in Jan 21

HIGHLIGHTS OF RE GENERATION DURING JANUARY 2021

1. RE generation increased by 07.58 % in January 2021 as compared to January 2020.
2. Wind Power generation during the month of January 2021 increased in Gujarat, Andhra Pradesh, Karnataka and Decreased in Rajasthan, Maharashtra and Tamil Nadu as compared to January 2020.
3. Daily wind generation increased by 07.30 % as compared to January 2020 and decreased by 06.64 % as compared to December 2020.
4. Solar Power generation during the month of December 2020 increased in Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Kerala, Telangana, and Orissa as compared to January 2020 and Decreased in Punjab and Karnataka as compared to January 2020.
5. Daily solar generation increased by 05.48 % as compared to January 2020 and increased by 02.46% as compared to December 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 31.01.2021 (as per MNRE)	RE Generation (MU) January ' 2020	RE Generation(MU) January '2021	% of Last Year (2/3)	RE Generation (MU) April'2019- January ' 2020	RE Generation (MU) April'2020- January ' 2021	% Of Last Year (5/6)
	1	2	3	4	5	6	7
Wind	38683.65	3319.95	3562.30	107.30	57721.89	53745.27	93.11
Solar	38794.07	4612.72	4865.41	105.48	39407.14	48212.20	122.34
Biomass	10145.92	273.21	339.05	124.10	2347.05	2876.69	122.57
Bagasse		1906.91	2005.00	105.14	7741.14	7965.38	102.90
Small Hydro	4758.46	562.16	574.17	102.14	8255.16	9342.72	113.17
Others	168.64	23.95	164.50	686.77	300.26	1285.88	428.26
Total	92550.74	10698.91	11510.42	107.58	115772.65	123428.14	106.61

Additional RE generation in January-21 as compared to January-20

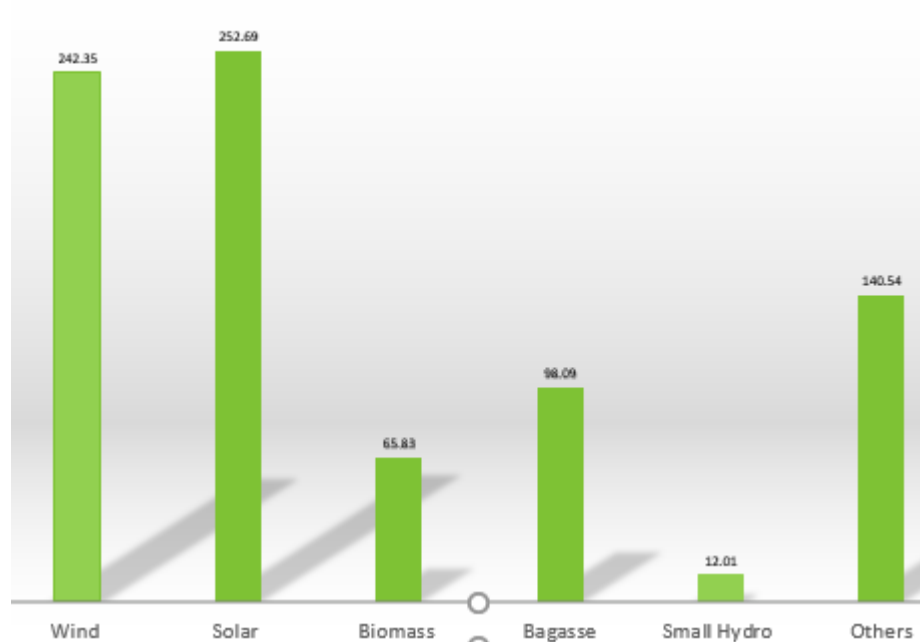


Figure 3 Additional RE Generation in Jan 21 compared to Jan 20

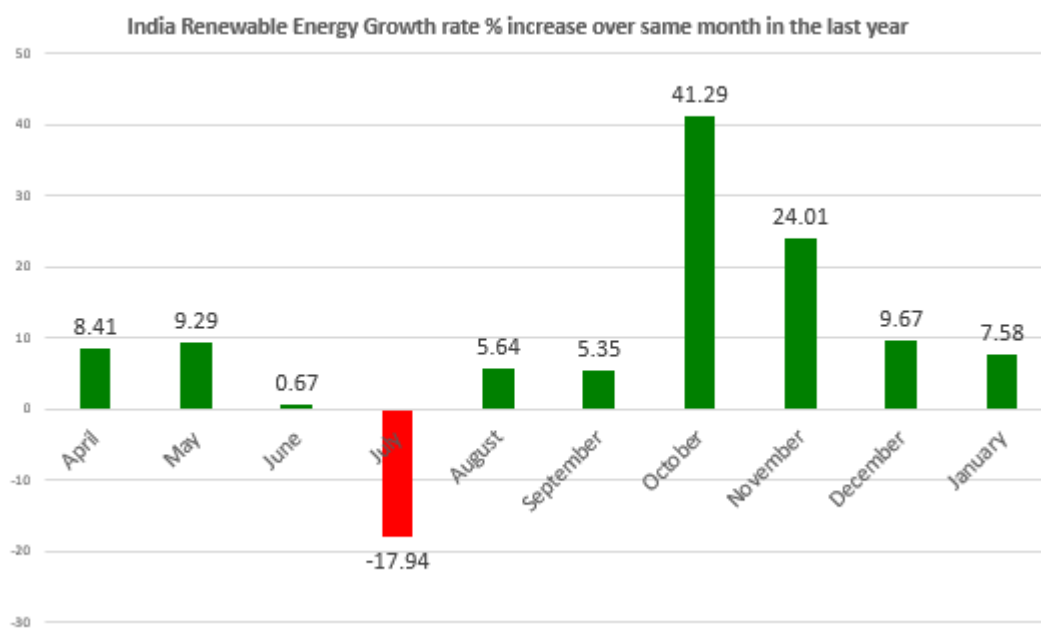


Figure 4 Month Wise Growth of RE Generation in 2020-21 w.r.t to 2019-20

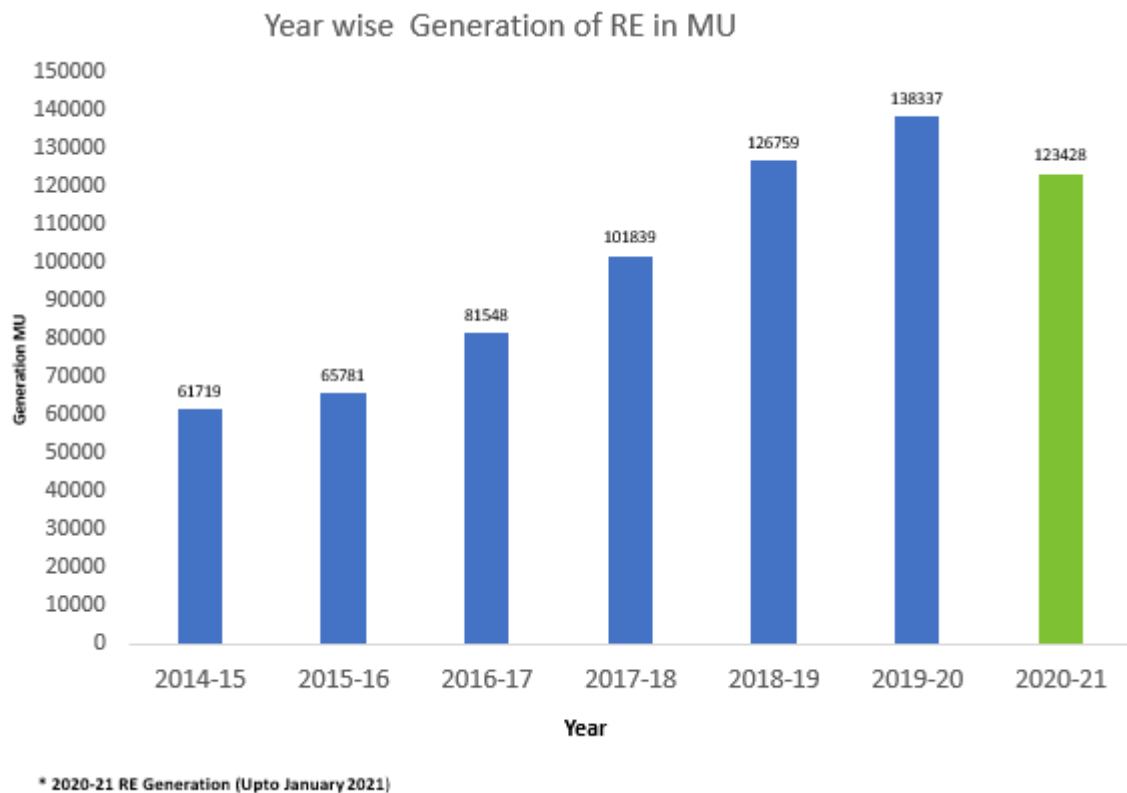


Figure 5 Year Wise RE Generation

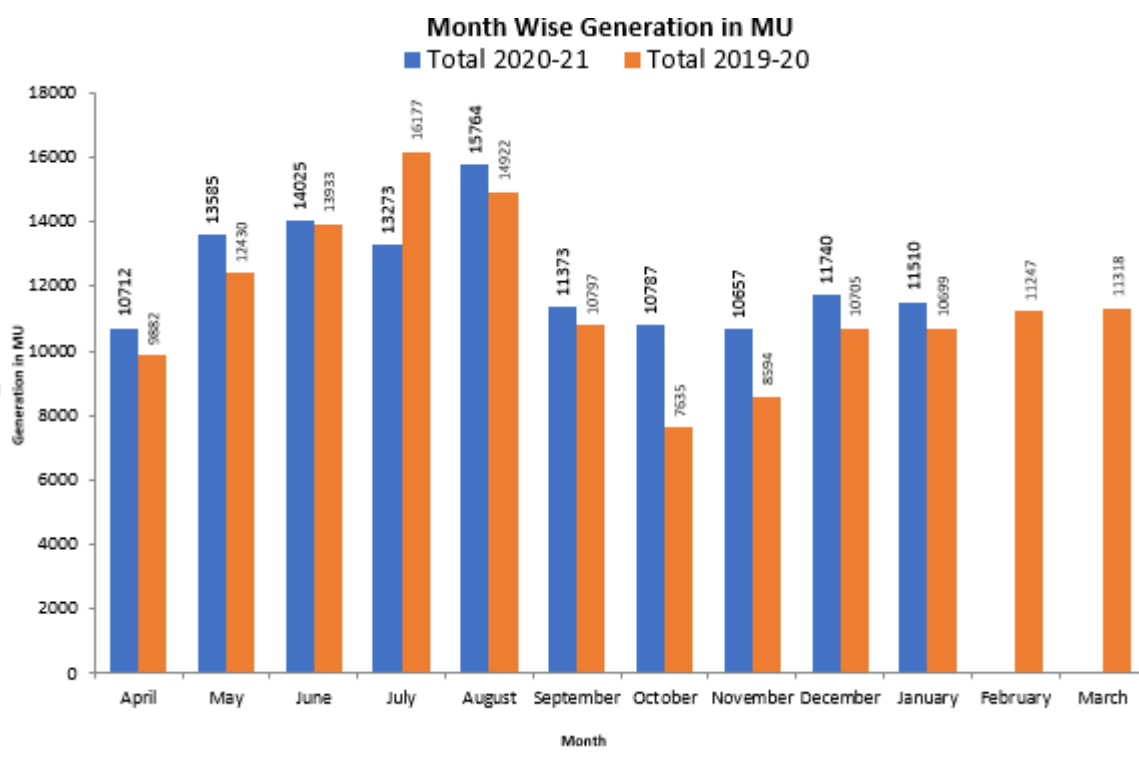


Figure 6 comparison of Month Wise RE Generation in year 2020-21 & in year 2019-20

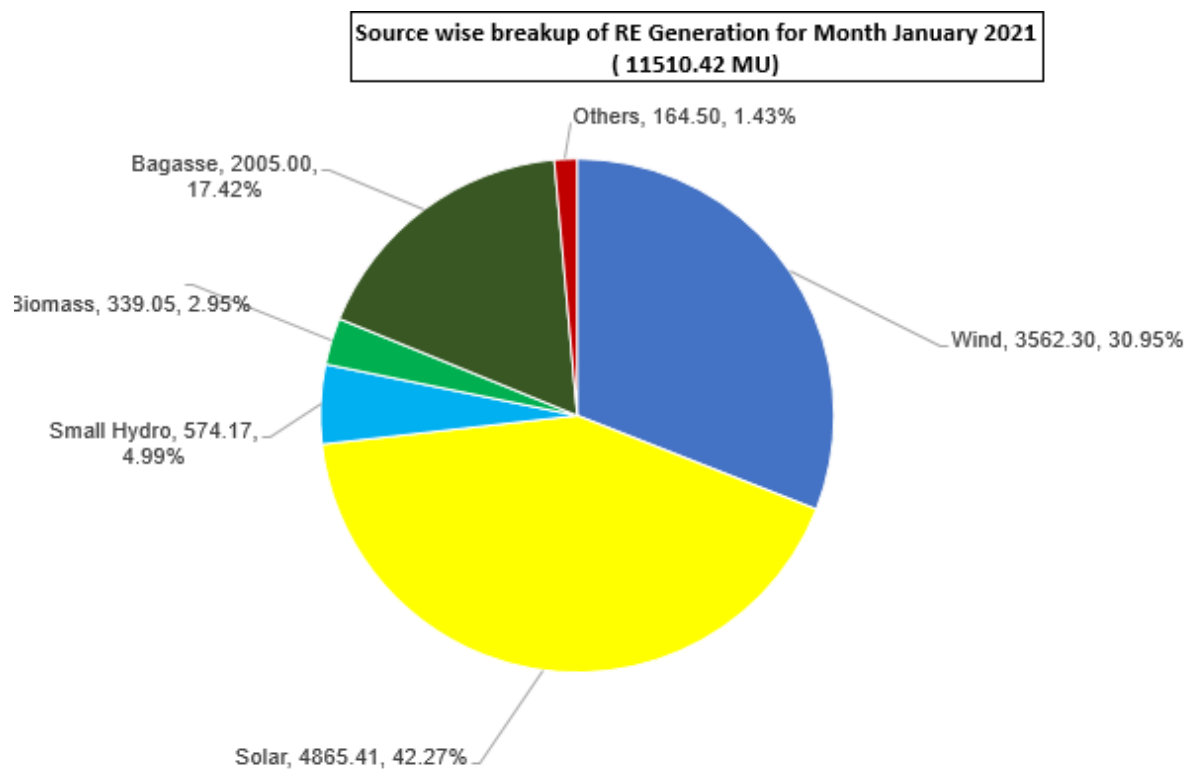


Figure 7 Source wise breakup of RE Generation in the month of Jan-21

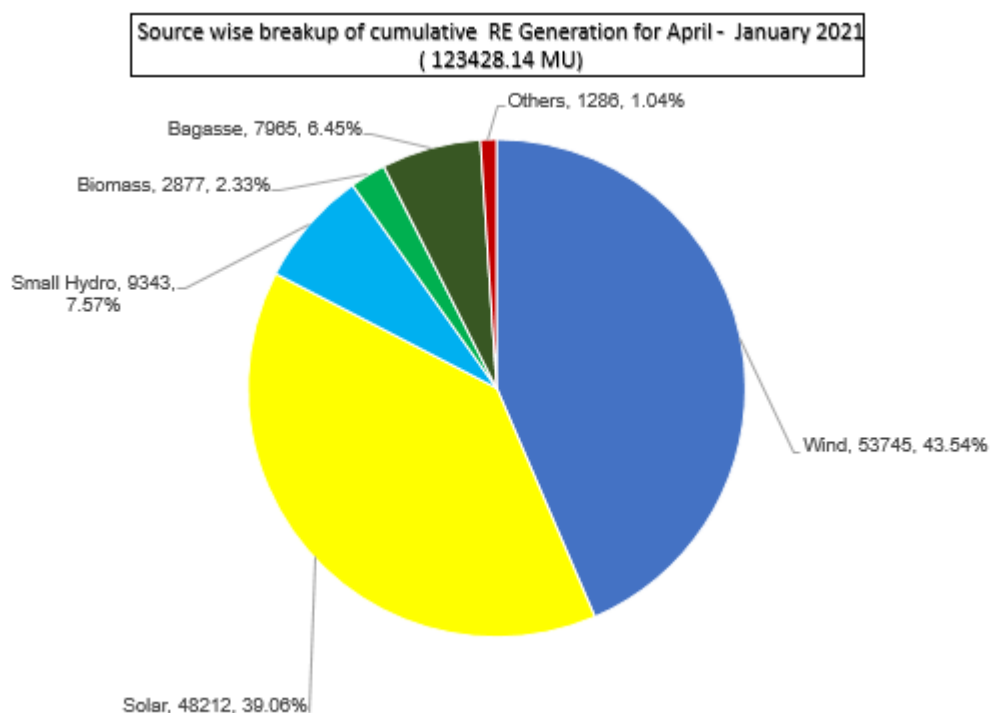


Figure 10 Source wise breakup of Cumulative RE Generation (April-20 – Jan-21)

Monthly Energy Generation (120.02 BU) January 2021

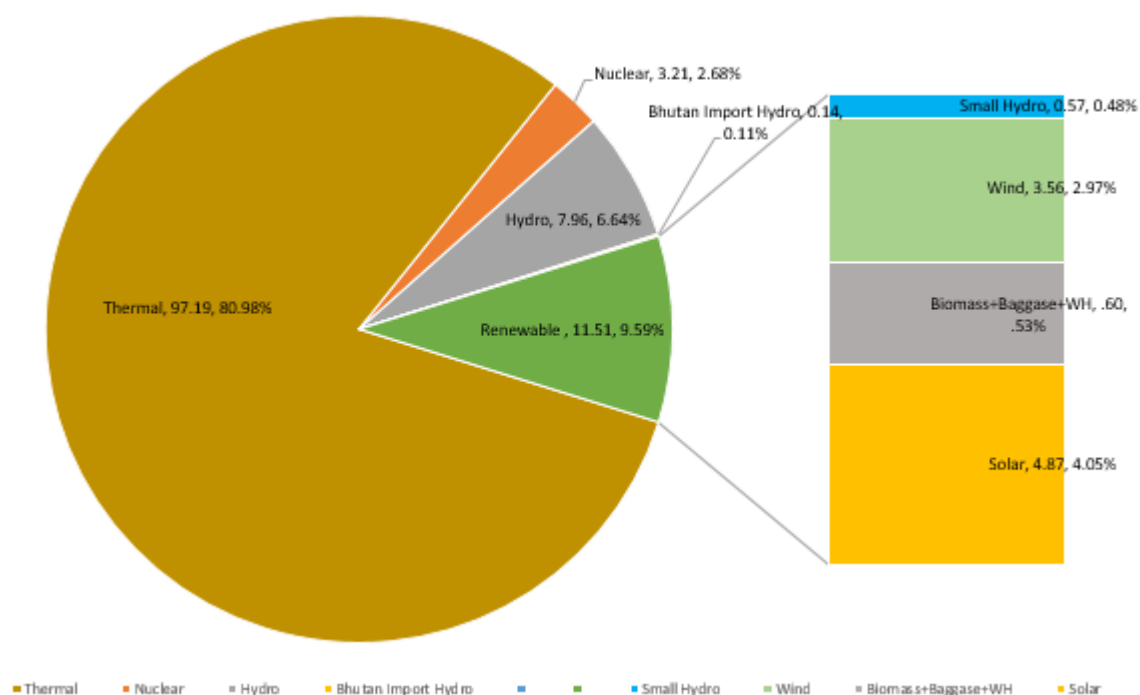


Figure 11 Total Energy Generation in India and Share of RE in the month of Jan-21

Cumulative Energy Generation (1137.85 BU) April - January 2021

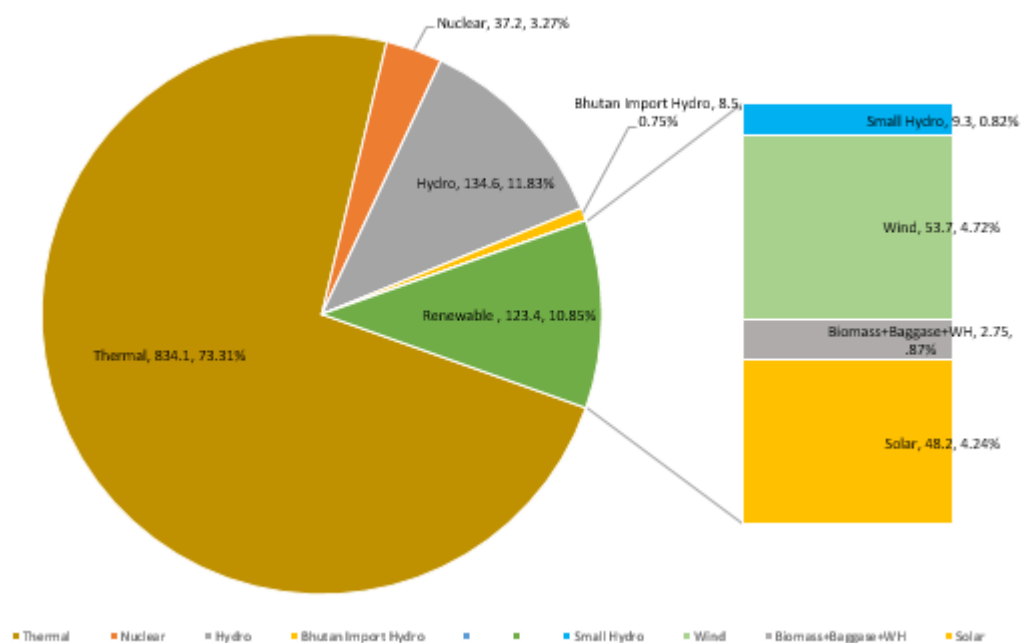


Figure 12 Cumulative Total Energy Generation in India and Share of RE (Apr-20 – Jan-21)

Table 2 State Wise Renewable Energy Generation

Renewable Energy Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'2021
Chandigarh	0.18	0.17	10.22	6.74
Delhi #	26.72	26.00	362.62	355.89
Haryana	71.36	78.08	606.45	607.83
Himachal Pradesh	79.77	58.98	1907.04	2040.54
J & K	13.17	21.63	389.79	394.91
Ladakh	0.00	0.00	0.00	0.00
Punjab	225.98	213.75	2232.84	2391.71
Rajasthan	1141.87	1219.61	11684.91	13871.90
Uttar Pradesh	718.74	746.29	3703.20	4134.36
Uttarakhand	84.17	66.16	993.97	1093.51
Northern Region	2361.96	2430.67	21891.03	24897.39
Chhattisgarh	79.68	166.40	880.14	1298.36
Gujarat	1484.81	1694.62	14850.84	15221.22
Madhya Pradesh	625.34	649.44	6845.09	7114.91
Maharashtra	1125.42	1258.08	11743.66	11229.87
Dadra and Nagar Haveli	0.56	3.29	4.93	7.29
Daman & Diu	2.01	3.90	17.60	30.45
Goa	0.14	0.14	0.54	1.20
Western Region	3317.95	3775.88	34342.80	34903.31
Andhra Pradesh	779.00	1072.21	11890.19	11698.52
Telangana	593.25	600.56	5468.77	5605.07
Karnataka	2302.64	2228.37	21382.97	23544.75
Kerala	49.84	83.21	701.02	976.08
Tamil Nadu	1071.45	1063.89	17603.59	19302.32
Lakshadweep	0.06	0.03	0.53	0.40
Puducherry	0.37	1.02	3.40	4.35
Southern Region	4796.61	5049.30	57050.47	61131.48
Andaman Nicobar	1.64	2.84	14.99	33.47
Bihar *	45.56	13.69	263.45	199.23
Jharkhand	2.58	2.15	15.12	22.69
Orissa	54.85	66.06	663.05	734.39
Sikkim *	6.92	5.41	57.88	49.52
West Bengal	92.27	143.28	1222.62	1256.84
Eastern Region	203.82	233.43	2237.10	2296.15
Arunachal Pradesh *	0.20	0.17	1.80	1.70
Assam	1.52	5.23	54.26	37.08
Manipur *	0.60	0.97	3.57	6.83
Meghalaya	5.36	5.97	56.01	47.23
Mizoram	3.10	1.73	43.76	32.48
Nagaland	5.05	4.86	69.62	62.76
Tripura	2.73	2.22	22.23	11.74
North Eastern Region	18.56	21.15	251.25	199.82
All India Total	10698.91	11510.42	115772.65	123428.14

Table 3 State Wise Wind Power Generation

Wind Power Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'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	399.49	377.89	5313.38	4984.39
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	399.49	377.89	5330.28	4984.39
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1093.84	1215.92	11722.68	11315.84
Madhya Pradesh	260.92	263.07	3815.96	3378.44
Maharashtra	269.85	210.01	7297.28	5770.06
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	1624.61	1689.00	22835.91	20464.35
Andhra Pradesh	217.35	354.57	6851.33	5743.78
Telangana	19.20	15.07	202.53	189.88
Karnataka	478.48	600.99	9206.30	8550.52
Kerala	7.95	8.42	107.45	119.19
Tamil Nadu	572.88	516.37	13133.44	13692.16
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	1295.85	1495.41	29501.04	28295.53
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	3319.95	3562.30	57721.89	53745.27

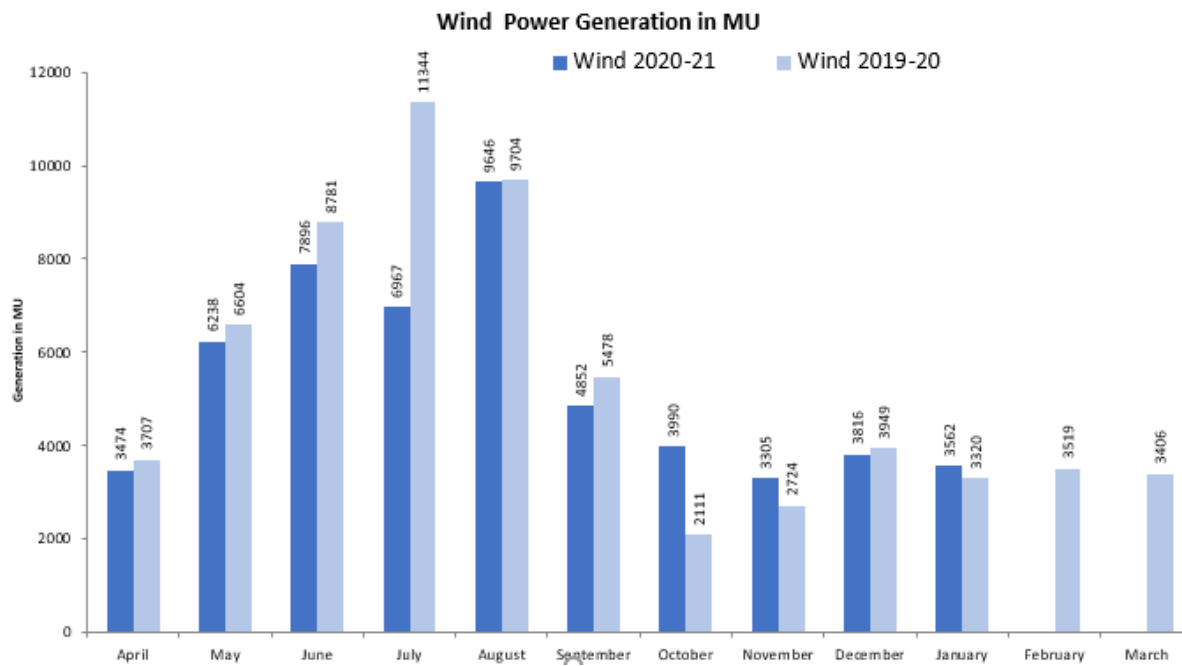


Figure 13 Monthly Wind Power Generation (2020-21 Up to Jan-21)

Table 4 State Wise Solar Power Generation

Solar Energy Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'2021
Chandigarh	0.18	0.17	10.22	6.74
Delhi	7.09	12.22	116.76	163.09
Haryana	15.85	27.68	113.20	93.39
Himachal Pradesh	1.92	2.78	6.75	30.54
J & K	0.00	1.23	0.00	6.60
Ladakh	0.00	0.00	0.00	0.00
Punjab	82.46	74.10	1128.53	1125.03
Rajasthan	701.08	801.05	6044.00	8529.58
Uttar Pradesh	118.16	133.05	1144.10	1383.58
Uttarakhand	18.94	17.10	276.15	280.38
Northern Region	945.68	1069.37	8839.73	11618.91
Chhattisgarh	30.38	33.08	263.72	300.89
Gujarat	356.69	456.31	2861.75	3663.82
Madhya Pradesh	309.67	336.77	2739.45	3410.91
Maharashtra	205.42	224.65	1897.84	2074.37
Dadra and Nagar Haveli	0.56	3.29	4.93	7.29
Daman & Diu	2.01	2.80	17.60	22.12
Goa	0.14	0.14	0.54	1.20
Western Region	904.87	1057.04	7785.84	9480.60
Andhra Pradesh	506.42	636.57	4631.04	5472.39
Telangana	530.77	539.21	5043.75	5125.24
Karnataka	1221.55	1018.72	8614.20	10789.96
Kerala	13.99	30.87	112.45	225.10
Tamil Nadu	439.66	437.49	3869.90	4873.96
Lakshadweep	0.06	0.03	0.53	0.40
Puducherry	0.37	1.02	3.41	4.35
Southern Region	2712.82	2663.91	22275.28	26491.40
Andaman Nicobar	0.90	2.12	9.87	20.11
Bihar	10.79	11.55	130.25	137.53
Jharkhand	1.31	1.55	13.52	13.91
Orissa	30.32	48.76	289.78	374.81
Sikkim	0.00	0.00	0.00	0.00
West Bengal	5.04	7.47	51.76	55.25
Eastern Region	48.35	71.45	495.18	601.63
Arunachal Pradesh	0.16	0.12	1.26	1.25
Assam	0.48	0.57	5.08	4.75
Manipur	0.32	0.97	2.00	6.83
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.03	1.44	0.38	1.79
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.01	0.54	2.39	5.04
North Eastern Region	1.00	3.64	11.11	19.66
All India Total	4612.72	4865.41	39407.14	48212.20

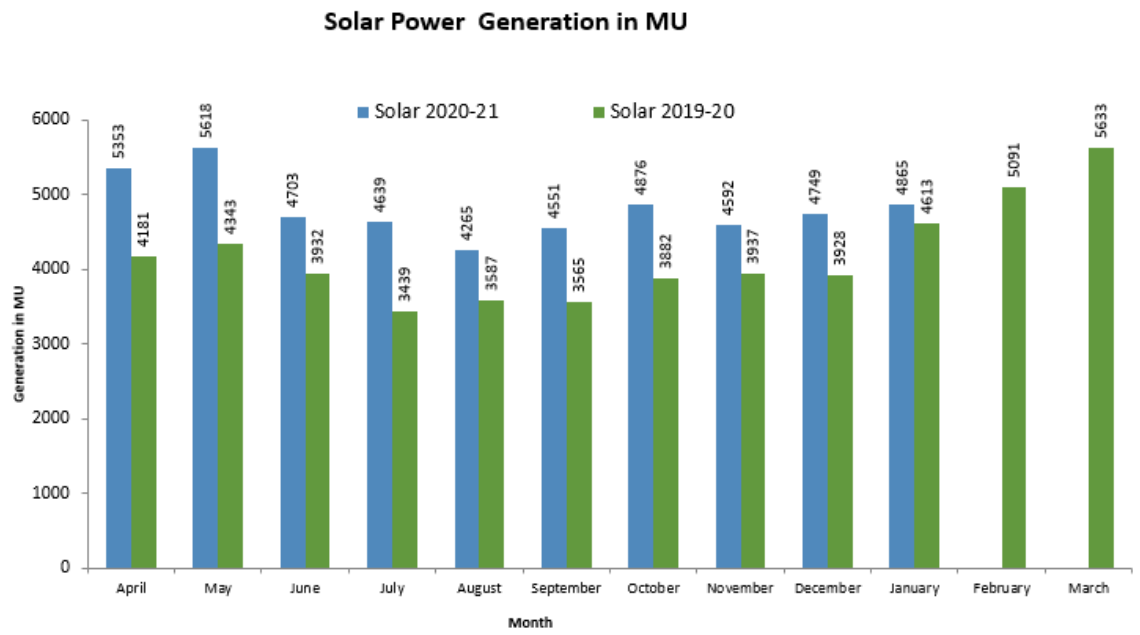


Figure 14 Monthly Solar Power Generation (2020-21 Up to Jan-21)

Table 5 State Wise Biomass Power Generation

Biomass Energy Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	15.65	16.32	160.51	149.26
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	41.76	48.72	316.81	485.70
Rajasthan	39.86	37.90	323.65	349.64
Uttar Pradesh	18.97	26.92	82.07	119.37
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	116.23	129.86	883.03	1103.97
Chhattisgarh	43.01	117.82	531.04	851.81
Gujarat	14.33	0.00	84.56	43.14
Madhya Pradesh	0.12	0.06	1.49	0.38
Maharashtra	43.40	30.17	340.82	278.74
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	1.10	0.00	8.33
Goa	0.00	0.00	0.00	0.00
Western Region	100.86	149.16	957.91	1182.40
Andhra Pradesh	13.28	10.20	119.06	110.33
Telangana	11.37	14.50	97.90	137.30
Karnataka	13.79	18.14	130.50	177.40
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	7.69	12.80	92.29	121.92
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	46.13	55.65	439.75	546.96
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	2.09	2.14	15.19	17.02
Jharkhand	0.00	0.00	0.00	0.00
Orissa	7.90	2.24	51.17	26.34
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region	9.99	4.38	66.36	43.36
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	273.21	339.05	2347.05	2876.69

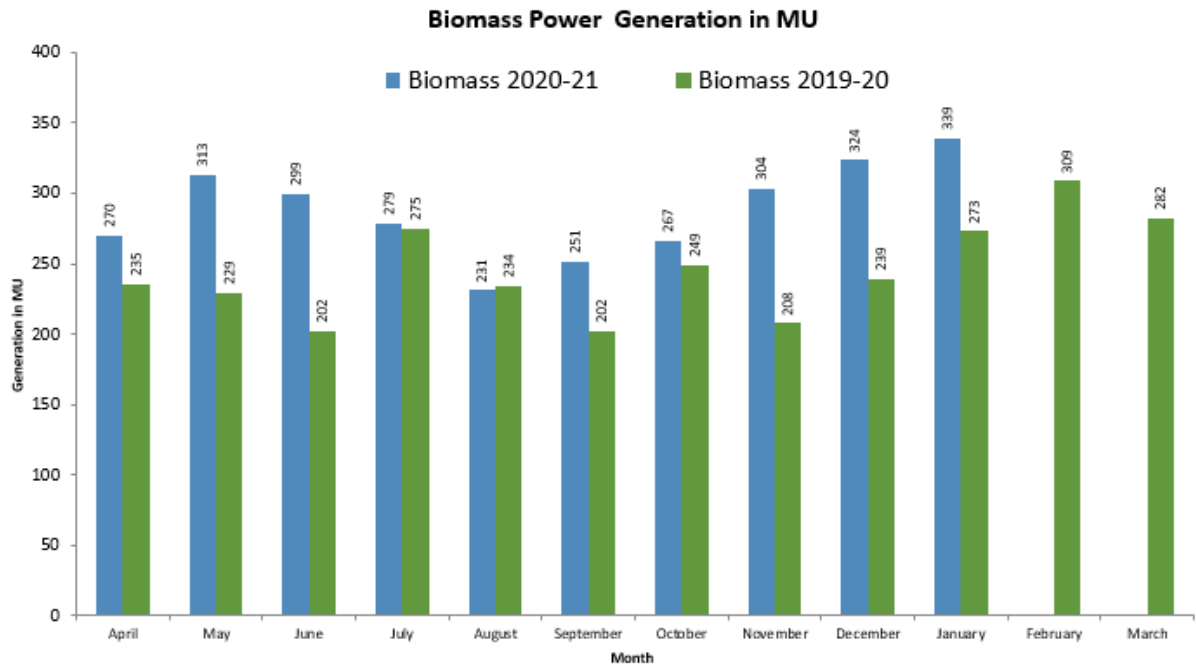


Figure 15 Monthly Biomass Power Generation (2020-21 Up to Jan-21)

Table 6 State Wise Bagasse Power Generation

Bagasse Energy Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	14.83	22.20	54.92	100.92
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	46.96	176.93	139.18
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	576.90	568.90	2450.09	2505.60
Uttarakhand	23.65	15.58	66.66	44.81
Northern Region	661.61	653.64	2748.60	2790.50
Chhattisgarh	0.00	7.00	0.00	15.52
Gujarat	2.28	3.78	10.12	15.08
Madhya Pradesh	24.16	19.96	58.32	45.70
Maharashtra	546.90	728.15	1668.45	2454.04
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	758.89	1736.89	2530.34
Andhra Pradesh	6.57	11.88	39.72	46.43
Telangana	28.59	19.06	73.68	42.89
Karnataka	496.02	493.69	1660.31	1968.86
Kerala	0.00	4.20	11.03	38.74
Tamil Nadu	22.16	63.64	301.20	397.41
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	553.34	592.47	2085.94	2494.33
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	31.99	0.00	105.89	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	1063.82	148.73
Eastern Region	118.63	0.00	1169.71	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	2005.00	7741.14	7965.38

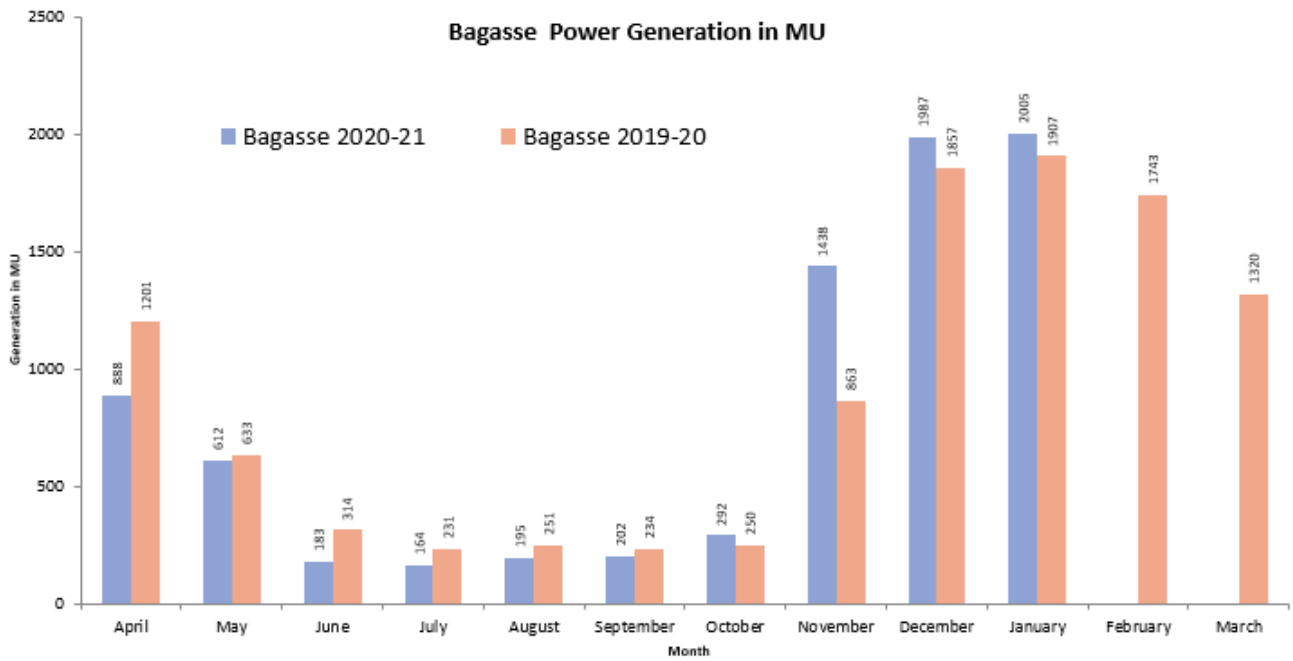


Figure 16 Monthly Bagasse Power Generation (2020-21 Up to Jan-21)

Table 7 State Wise Small Hydro Generation

Small Hydro Energy Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	25.04	11.88	277.83	264.26
Himachal Pradesh	77.85	56.21	1900.28	2010.01
J & K	13.17	20.40	389.79	388.31
Ladakh	0.00	0.00	0.00	0.00
Punjab	55.50	43.97	593.40	641.73
Rajasthan	1.44	2.77	3.88	8.30
Uttar Pradesh	4.71	17.43	26.95	125.81
Uttarakhand	41.58	33.48	651.16	768.32
Northern Region	219.28	186.13	3843.28	4206.74
Chhattisgarh	6.28	8.50	85.37	130.14
Gujarat	17.67	18.61	155.65	172.73
Madhya Pradesh	27.25	26.65	208.08	249.90
Maharashtra	59.80	65.10	538.49	652.61
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	118.86	987.59	1205.38
Andhra Pradesh	34.65	48.87	242.90	279.11
Telangana	3.03	8.27	41.55	55.93
Karnataka	92.81	96.83	1771.66	2058.00
Kerala	27.90	39.73	470.09	593.04
Tamil Nadu	29.06	33.59	206.79	216.86
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	187.45	227.29	2732.98	3202.94
Andaman Nicobar	0.74	0.72	5.12	13.37
Bihar	0.69	0.00	12.13	43.20
Jharkhand	0.00	0.60	0.27	0.60
Orissa	16.64	15.06	267.43	333.24
Sikkim	6.92	5.41	57.88	49.52
West Bengal	1.88	2.60	108.36	100.39
Eastern Region	26.86	24.38	451.18	548.50
Arunachal Pradesh	0.04	0.05	0.55	0.45
Assam	1.03	4.66	49.18	32.33
Manipur	0.28	0.00	1.57	0.00
Meghalaya	5.36	5.97	56.01	47.23
Mizoram	3.07	0.29	43.37	30.69
Nagaland	5.05	4.86	69.61	61.76
Tripura	2.72	1.67	19.84	6.70
North Eastern Region	17.57	17.51	240.13	179.16
All India Total	562.16	574.17	8255.16	9342.72

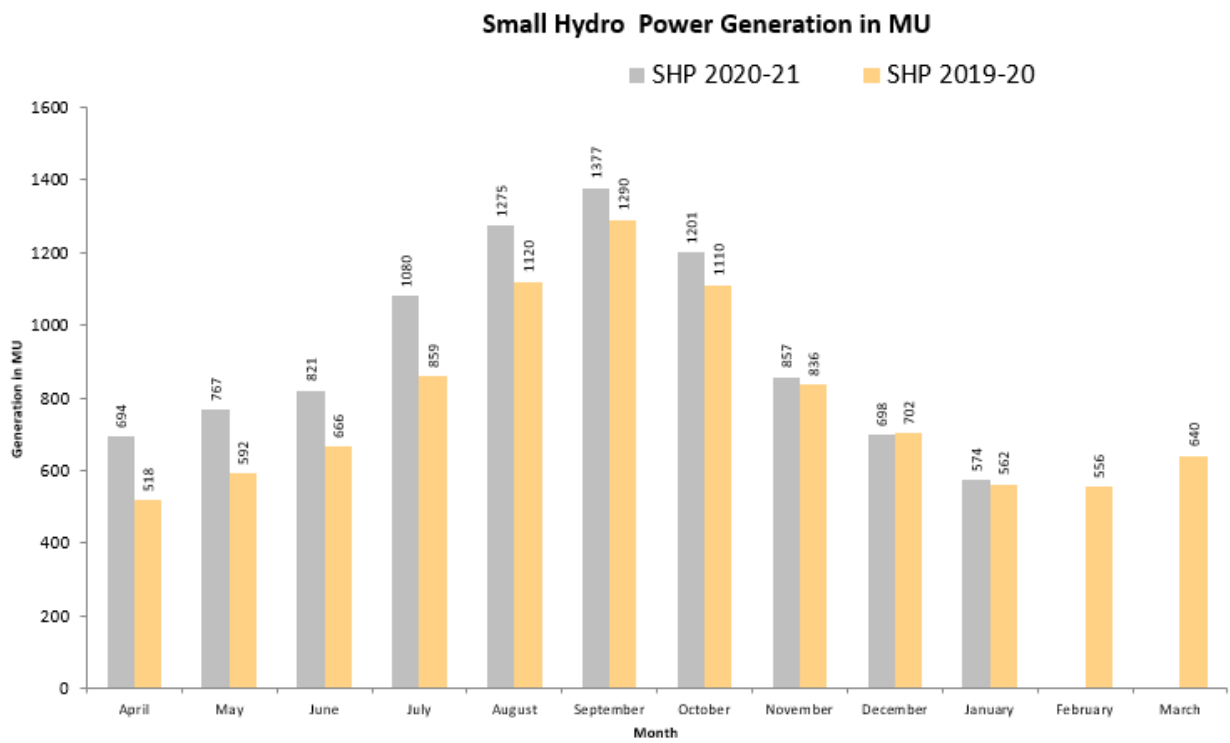


Figure 17 Monthly Small Hydro Power Generation (2020-21 Up to Jan-21)

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

Other RE sources Energy Generation (State Wise) for the month of January 2021				
State	Jan'2020	Jan'2021	April'2019- Jan'2020	April'2020- Jan'2021
Chandigarh	0.00	0.00	0.00	0.00
Delhi	19.63	13.78	245.88	192.80
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	0.03	0.00	0.25	0.08
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	19.66	13.78	246.12	192.88
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	16.07	10.61
Madhya Pradesh	3.22	2.93	21.79	29.57
Maharashtra	0.05	0.01	0.77	0.06
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	3.27	2.94	38.64	40.24
Andhra Pradesh	0.74	10.12	6.15	46.48
Telangana	0.29	4.45	9.36	53.83
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	1.02	14.57	15.50	100.31
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	133.21	0.00	952.46
Eastern Region	0.00	133.21	0.00	952.46
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	23.95	164.50	300.26	1285.88

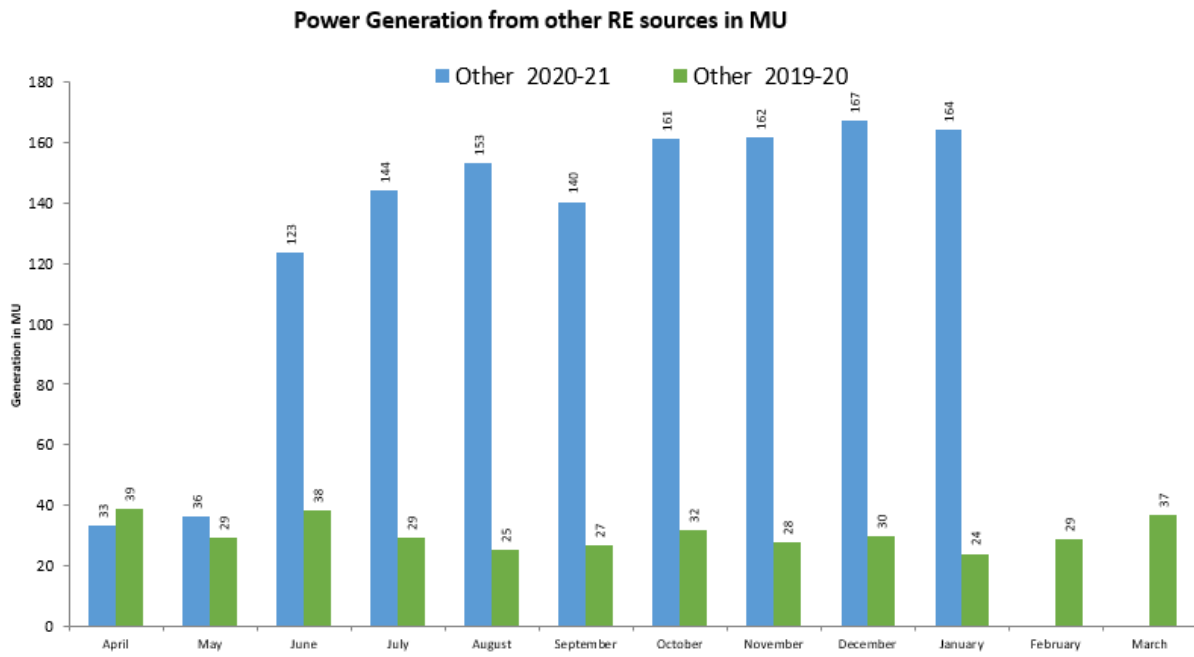


Figure 18 Monthly Other RE (Waste Heat etc) Power Generation (2020-21 Up to Jan-21)

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for January 2021							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
AURAIYA	Uttar Pradesh	Central	NTPC	Solar	8	1.27	21%
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.36	10%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.60	14%
UNCHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	0.82	11%
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	9.07	24%
MAHOBA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	37.91	25%
AZURE FORTY THREE PVT LTD	Rajasthan	Private	IPP	Solar	150	25.79	23%
ACME CHITTORGARH ENERGY PVT LTD.	Rajasthan	Private	IPP	Solar	250	41.69	22%
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	34.08	23%
AZURE POWER THIRTY FOUR PRIVATE LTD	Rajasthan	Private	IPP	Solar	130	24.62	25%
M/S ADANI SOLAR ENERGY JODHPUR TWO LTD	Rajasthan	Private	IPP	Solar	50	9.61	26%
CLEAN SOLAR POWER (BHADLA) PVT LDT	Rajasthan	Private	IPP	Solar	300	56.03	25%
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	9.17	25%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	43.80	24%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	36.96	25%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	28.74	26%
Northern Region					2018	361.51	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	40.76	22%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	40.60	22%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	40.24	22%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	47.02	25%
ALFANAR WIND	Gujarat	Private	IPP	Wind	300	54.45	24%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	58.39	31%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	45.13	20%

Monthly RE generation from Inter State Generating Station (ISGS) for **January 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	36.79	28%
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	250	21.51	12%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	66.53	36%
RENEW WIND ENERGY AP2	Gujarat	Private	IPP	Wind	300	30.69	14%
Western Region					2526.6	482.11	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	52.91	28%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	37.62	25%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	26.97	19%
BETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	126.2	29.98	32%
Southern Region					763.2	147.48	
Total					5307.8	991.10	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise) for January 2021						
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)	Monthly CUF (%)
				January 2021	April 2020 to January 2021	
NTPC						
NTPC Faridabad _Solar	Haryana	5	Solar	0.41	5.57	11.02
NTPC Bhadla	Rajasthan	260	Solar	33.98	366.21	17.57
NTPC Dadri _Solar	Uttar Pradesh	5	Solar	0.36	5.49	9.68
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	0.82	11.53	11.02
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	1.60	17.30	14.34
NTPC Auraiya	Uttar Pradesh	15	Solar	1.27	3.12	11.38
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	0.48	14.19	8.06
NTPC Rojmal	Gujarat	50	Wind	8.34	71.16	22.42
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	6.30	64.05	16.94
NTPC Mandsaur	Madhya Pradesh	250	Solar	32.31	327.16	17.37
NTPC Anantapuram	Andhra Pradesh	250	Solar	33.12	305.77	17.81
NTPC Ramagundam	Telangana	10	Solar	1.17	11.62	15.73
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.58	4.18	15.59
NTPC Talchar _Solar	Orissa	10	Solar	1.14	11.31	15.32
NTPC Solar _Bilhaur *	Uttar Pradesh	140		3.63	3.63	3.49
Total NTPC		1083		125.51	1222.29	
THDC						
THDC Patan Wind Power Project	Gujarat	50	Wind	7.14	65.97	19.19
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	13.39	119.36	28.57
THDC Solar Kasaragod	Kerala	50	Solar	5.35	5.35	14.38
THDCIL's premises at Rishikesh	Uttar Pradesh	0.5	Solar	0.03	0.37	8.06
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	6.74	58.74	37.75
Total THDC		187.5		32.65	249.79	
NHPC						
NHPC Wind Power Project	Rajasthan	50	Wind	3.84	49.11	10.31
NHPC Solar Power Project	Tamilnadu	50	Solar	6.20	67.12	16.66
Total NHPC		100		10.03	116.24	
ONGC						
ONGC Wind, Bhuj	Gujarat	51	Wind	4.75	58.77	12.51
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	5.61	104.81	7.40

Renewable Energy Generation Data (CPSU Wise) for January 2021

ONGC Solar, Goa	Goa	1	Solar	0.14	1.20	19.09
ONGC Solar, Hazira	Gujarat	10	Solar	1.34	12.28	18.00
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.58	6.35	15.46
ONGC Solar,Rajahmundry	Andhra Pradesh	1	Solar	0.10	0.96	13.55
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.10	0.63	12.14
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5	Solar	0.18	1.72	4.89
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.41	3.93	13.14
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.12	1.40	9.48
ONGC Solar, Uttarakhand (RTS)	Uttarakhand	1.236	Solar	0.11	1.20	11.79
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.02	0.22	12.50
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.00	0.02	0.90
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.065	Solar	0.01	0.06	12.96
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00
Total ONGC		184		13.46	193.55	
SJVN Limited						
Khirvire Wind Power	Maharashtra	47.6	Wind	0.68	44.71	1.92
Sadla Wind Power	Gujarat	50	Solar	4.84	62.98	13.02
Charanka Solar Power	Gujarat	5.6	Solar	0.79	5.51	18.93
Total SJVN		103.2		6.31	113.20	
Oil India Ltd						
Oil India Ltd	Rajasthan	14	Solar	1.96	20.78	18.85
Oil India Ltd	Rajasthan	67.6	Wind	4.09	57.08	8.13
Oil India Ltd	Gujarat	43.3	Wind	9.96	80.05	30.92
Oil India Ltd	Madhya Pradesh	63.2	Wind	7.95	97.36	16.91
Total Oil India Ltd		188.1		23.96	255.27	17.12
NEEPCO						
NEEPCO	Tripura	5	Solar	0.52	4.37	
All India Total		1850.80		212.45	2154.69	

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.

* Commissioned in January 2021.

RENEWABLE ENERGY CURTAILMENT DURING JANUARY 2021

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

Table 11 RE Curtailment Data as available from SLDCs

Renewable Energy Curtailment for the month of January -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
01-01-2021	57	14:07:00	300	300	1545	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
01-01-2021	62	15:16:00	-300	0	1029	Released to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	56	13:48:00	200	200	1487	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	56	13:48:00	50	50	1487	curtailed to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
07-01-2021	58	14:18:00	-100	100	1080	Released to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	58	14:29:00	-100	0	1085	Released to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	59	14:34:00	-50	0	975	Released to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
13-01-2021	53	13:07:00	200	200	1798	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
13-01-2021	54	13:27:00	-200	0	1547	Released to maintain grid security as per IEGC regulation (At Ghani SS)
01-01-2021	57	14:07:00	300	300	1545	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
01-01-2021	62	15:16:00	-300	0	1029	Released to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	56	13:48:00	200	200	1487	curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	56	13:48:00	50	50	1487	curtailed to maintain grid security as per IEGC regulation (At Distributed Solar in percentage)
07-01-2021	58	14:18:00	-100	100	1080	Released to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	58	14:29:00	-100	0	1085	Released to maintain grid security as per IEGC regulation (At Ghani SS)
07-01-2021	59	14:34:00	-50	0	975	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
01-01-2021	56	13:54:00	50	50	280	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-01-2021	56	13:54:00	40	40	563	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-01-2021	62	15:18:00	-40	0	533	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
01-01-2021	63	15:40:00	-50	0	263	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	1	00:02:00	50	50	237	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	1	00:02:00	30	30	788	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	2	00:18:00	30	60	849	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	6	01:17:00	-30	30	445	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	8	01:55:00	-30	0	470	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	8	01:55:00	-50	0	151	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	42	10:23:00	50	50	149	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	42	10:23:00	50	50	725	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	54	13:22:00	50	100	172	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	54	13:22:00	30	80	674	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	55	13:39:00	10	90	489	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	59	14:38:00	-20	70	259	Wind generators with permanent connectivity are released 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
07-01-2021	60	14:53:00	-30	40	305	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	61	15:09:00	-40	0	296	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-01-2021	61	15:09:00	-100	0	120	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-01-2021	52	12:50:00	50	50	186	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
13-01-2021	52	12:50:00	50	50	667	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
13-01-2021	54	13:28:00	-50	0	471	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-01-2021	54	13:28:00	-50	0	140	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	45	11:01:00	30	30	636	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	45	11:01:00	50	50	184	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	46	11:25:00	-20	10	576	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	48	11:57:00	50	100	202	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	48	11:57:00	40	50	627	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	51	12:32:00	-30	20	510	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	52	12:56:00	20	40	604	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	54	13:25:00	10	50	691	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	56	13:50:00	20	70	470	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	60	14:56:00	-40	30	336	Wind generators with permanent connectivity are released 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
14-01-2021	64	15:45:00	-30	0	457	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-01-2021	64	15:45:00	-100	0	125	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	48	11:47:00	50	50	107	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	48	11:47:00	50	50	427	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	51	12:37:00	50	100	87	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	51	12:37:00	40	90	354	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	56	13:52:00	-40	50	193	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	56	13:52:00	-50	50	76	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	63	15:40:00	-50	0	287	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	63	15:40:00	-50	0	74	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	69	17:09:00	50	50	154	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	69	17:09:00	50	50	508	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	70	17:28:00	-50	0	401	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	70	17:28:00	-50	0	133	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	74	18:20:00	50	50	225	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-01-2021	74	18:20:00	50	50	645	Wind generators with permanent connectivity are curtailed 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 January 2021				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
AURAIYA SOLAR	Solar	1.29	1.24	-0.06
ACME CHITTORGARH ENERGY PVT LTD	Solar	40.08	41.69	1.61
AZURE FORTY THREE PVT LTD	Solar	25.23	25.79	0.56
AZURE SOLAR	Solar	34.94	34.08	-0.85
AZURE SOLAR THIRTY FOUR	Solar	26.00	24.62	-1.38
CLEAN SOLAR POWER(BHADLA) PVT LTD.	Solar	56.10	56.03	-0.07
DADRI SOLAR	Solar	0.43	0.36	-0.07
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Solar	9.38	9.07	-0.31
MAHOBBA SOLAR	Solar	42.23	37.91	-4.32
RENEW SOLAR	Solar	9.41	9.17	-0.24
RENEW SOLAR POWER LTD PVT BIKANER	Solar	44.25	43.80	-0.46
SB ENERGY	Solar	36.66	36.96	0.30
SINGRAULI SOLAR	Solar	1.56	1.54	-0.03
TATA POWER RENEWABLE	Solar	27.97	28.74	0.77
UNCHAHAAR SOLAR	Solar	0.92	0.79	-0.13
Western Region				
ACME SOLAR (RAMNAGAR)	Solar	41.04	40.76	-0.28
ADANI GREEN ENERGY MP LTD	Wind	34.51	36.80	2.29
ALFANAR WIND	Wind	56.63	54.45	-2.18
ARINSUN SOLAR (BARSITADESH)	Solar	39.17	40.61	1.44
GREEN INFRA WIND ENERGY LIMITED SECI 2	Wind	62.16	58.40	-3.76
GREEN INFRA WIND ENERGY LIMITED SECI 3	Wind	50.45	45.14	-5.32
INOX WIND	Wind	21.38	21.51	0.13
MAHINDRA SOLAR (BADWAR)	Solar	38.72	40.25	1.53
OSTRO -KUTCH	Wind	70.23	66.54	-3.70
RENEW WIND ENERGY AP2	Wind	32.65	30.70	-1.96
RENEW POWER	Solar	52.94	47.02	-5.92
Southern Region				
BEETAM	Wind	29.26	29.98	0.72
GIREL	Wind	53.86	52.91	-0.96
MYTRAH	Wind	31.55	26.97	-4.58
ORANGE	Wind	35.95	37.62	1.67

+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 January 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	0.17	0.17	100.00
Delhi	0.00	357.84	0.00	0.00	26.00	383.84	6.77
Haryana	1965.82	0.00	0.00	0.00	78.08	2043.90	3.82
HP	0.00	0.00	0.00	1243.41	58.98	1302.39	100.00
J & K	0.00	0.00	0.00	650.81	21.63	672.44	100.00
Ladakh	0.00	0.00	0.00	13.52	0.00	13.52	100.00
Punjab	1802.95	0.00	0.00	288.29	213.75	2304.99	21.78
Rajasthan	4483.80	34.13	566.42	58.56	1219.61	6362.52	28.99
Uttar Pradesh	10548.31	113.49	80.73	128.88	746.29	11617.70	8.23
Uttarakhand	0.00	217.02	0.00	706.42	66.16	989.60	78.07
Northern Region	18800.88	722.48	647.15	3089.89	2430.67	25691.07	24.01
Chhattisgarh	12014.48	0.00	0.00	25.38	166.40	12206.26	1.57
Gujarat	7542.10	510.53	339.98	295.41	1694.62	10382.64	22.44
Madhya Pradesh	11464.79	0.00	0.00	635.21	649.44	12749.44	10.08
Maharashtra	10593.18	467.91	408.19	494.17	1258.08	13221.53	16.34
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	3.29	3.29	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	0.14	0.14	100.00
Western Region	41614.55	978.44	748.17	1450.17	3775.88	48567.21	12.30
Andhra Pradesh	5009.55	233.57	0.00	176.63	1072.21	6491.96	19.24
Telangana	4270.24	0.00	0.00	181.10	600.56	5051.90	15.47
Karnataka	3080.14	0.00	555.43	898.05	2228.37	6761.99	54.45
Kerala	4.86	0.00	0.00	555.94	83.21	644.01	99.25
Tamil Nadu	4312.37	132.56	1263.75	374.59	1063.89	7147.16	37.81
Lakshadweep	0.00	0.00	0.00	0.00	0.03	0.03	100.00
Puducherry	0.00	17.57	0.00	0.00	1.02	18.59	5.49
Southern Region	16677.16	383.70	1819.18	2186.31	5049.30	26115.65	34.67
Andaman Nicobar	5.92	0.00	0.00	0.00	2.84	8.76	32.42
Bihar	3089.78	0.00	0.00	0.00	13.69	3103.47	0.44
Jharkhand	2178.03	0.00	0.00	5.80	2.15	2185.98	0.36
Orissa	4662.63	0.00	0.00	383.71	66.06	5112.40	8.80
Sikkim	0.00	0.00	0.00	303.56	5.41	308.97	100.00
West Bengal	6924.83	0.00	0.00	209.22	143.28	7277.33	4.84
Eastern Region	16861.19	0.00	0.00	902.29	233.43	17996.91	6.31
Arunachal Pradesh	0.00	0.00	0.00	167.51	0.17	172.74	97.07
Assam	221.84	285.78	0.00	29.49	5.23	538.08	6.45
Manipur	0.00	0.00	0.00	63.58	0.97	69.55	92.81
Meghalaya	0.00	0.00	0.00	54.59	5.97	56.32	107.54
Mizoram	0.00	0.00	0.00	14.48	1.73	19.34	83.77

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

State/UT	Fossil		Non Fossil			Non Fossil	
Nagaland	0.00	0.00	0.00	5.13	4.86	7.35	136.03
Tripura	0.00	645.80	0.00	0.00	2.22	666.95	0.33
North Eastern Region	221.84	931.58	0.00	334.78	21.15	1530.33	23.26
All India Total	94175.62	3016.20	3214.50	7963.44	11510.42	119901.16	18.92

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 January 2021							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	0.17	0.17	100.00
Delhi	0.00	357.84	0.00	0.00	26.00	383.84	6.77
Haryana	1965.82	0.00	0.00	0.00	78.08	2043.90	3.82
HP	0.00	0.00	0.00	1243.41	58.98	1302.39	4.53
J & K	0.00	0.00	0.00	650.81	21.63	672.44	3.22
Ladakh	0.00	0.00	0.00	13.52	0.00	13.52	0.00
Punjab	1802.95	0.00	0.00	288.29	213.75	2304.99	9.27
Rajasthan	4483.80	34.13	566.42	58.56	1219.61	6362.52	19.17
Uttar Pradesh	10548.31	113.49	80.73	128.88	746.29	11617.70	6.42
Uttarakhand	0.00	217.02	0.00	706.42	66.16	989.60	6.69
Northern Region	18800.88	722.48	647.15	3089.89	2430.67	25691.07	9.46
Chhattisgarh	12014.48	0.00	0.00	25.38	166.40	12206.26	1.36
Gujarat	7542.10	510.53	339.98	295.41	1694.62	10382.64	16.32
Madhya Pradesh	11464.79	0.00	0.00	635.21	649.44	12749.44	5.09
Maharashtra	10593.18	467.91	408.19	494.17	1258.08	13221.53	9.52
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	3.29	3.29	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	0.14	0.14	100.00
Western Region	41614.55	978.44	748.17	1450.17	3775.88	48567.21	7.77
Andhra Pradesh	5009.55	233.57	0.00	176.63	1072.21	6491.96	16.52
Telangana	4270.24	0.00	0.00	181.10	600.56	5051.90	11.89
Karnataka	3080.14	0.00	555.43	898.05	2228.37	6761.99	32.95
Kerala	4.86	0.00	0.00	555.94	83.21	644.01	12.92
Tamil Nadu	4312.37	132.56	1263.75	374.59	1063.89	7147.16	14.89
Lakshadweep	0.00	0.00	0.00	0.00	0.03	0.03	100.00
Puducherry	0.00	17.57	0.00	0.00	1.02	18.59	5.49
Southern Region	16677.16	383.70	1819.18	2186.31	5049.30	26115.65	19.33
Andaman Nicobar	5.92	0.00	0.00	0.00	2.84	8.76	32.42
Bihar	3089.78	0.00	0.00	0.00	13.69	3103.47	0.44
Jharkhand	2178.03	0.00	0.00	5.80	2.15	2185.98	0.10
Orissa	4662.63	0.00	0.00	383.71	66.06	5112.40	1.29
Sikkim	0.00	0.00	0.00	303.56	5.41	308.97	1.75
West Bengal	6924.83	0.00	0.00	209.22	143.28	7277.33	1.97
Eastern Region	16861.19	0.00	0.00	902.29	233.43	17996.91	1.30
Arunachal Pradesh	0.00	0.00	0.00	167.51	0.17	172.74	0.10
Assam	221.84	285.78	0.00	29.49	5.23	538.08	0.97
Manipur	0.00	0.00	0.00	63.58	0.97	69.55	1.39
Meghalaya	0.00	0.00	0.00	54.59	5.97	56.32	10.60

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Mizoram	0.00	0.00	0.00	14.48	1.73	19.34	8.92
Nagaland	0.00	0.00	0.00	5.13	4.86	7.35	66.20
Tripura	0.00	645.80	0.00	0.00	2.22	666.95	0.33
North Eastern Region	221.84	931.58	0.00	334.78	21.15	1530.33	1.38
All India Total	94175.62	3016.20	3214.50	7963.44	11510.42	119901.16	9.60

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
All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

All India Wind & Solar Power Daily Generation Report (Jan 2021)

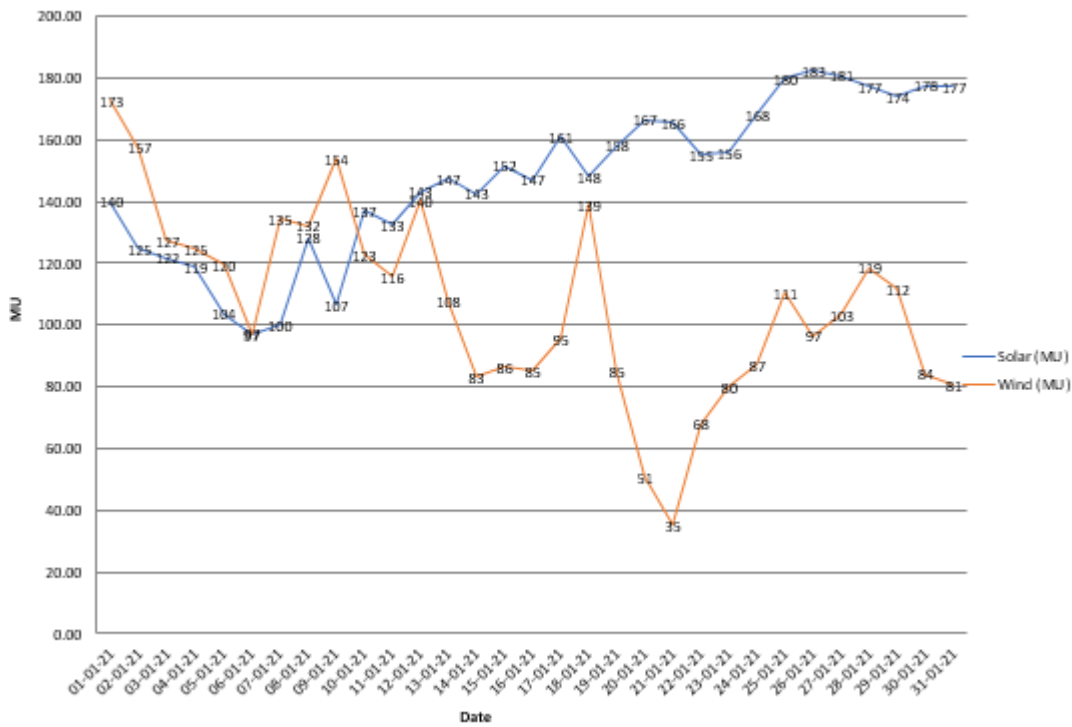


Figure 19 Daily Solar and wind Power Generation trend in the month of Jan-21



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