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विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



Monthly Renewable Energy Generation Report
मासिक नवीकरणीय ऊर्जा उत्पादन
September, 2020

नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

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Decreased by 27.86% as compared to Aug,20.

Increased by 05.34% as compared to Sep, 19

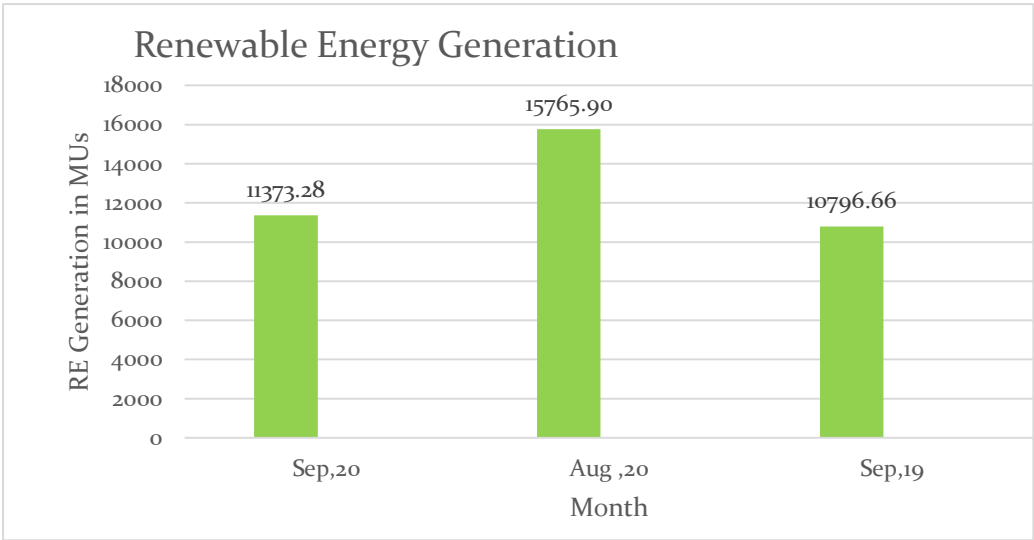


Figure 1 Renewable Energy Generation

Increased by 101.63% as compared to Aug , 20.

Increased by 6.36% as compared to Sep,19

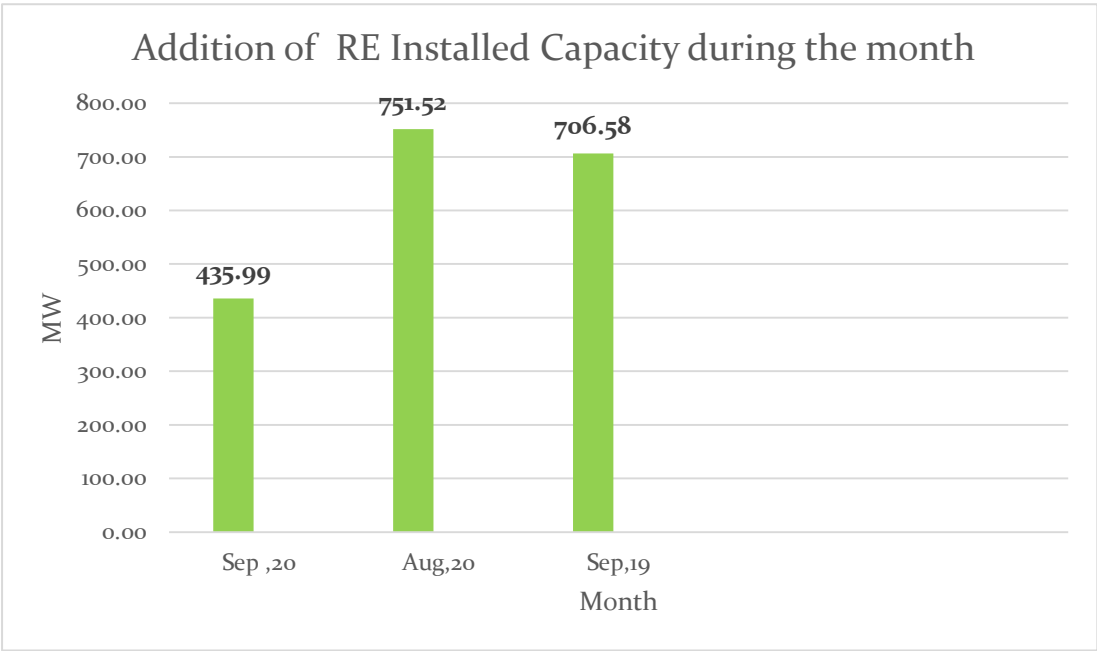


Figure 2 RE capacity added during the Month

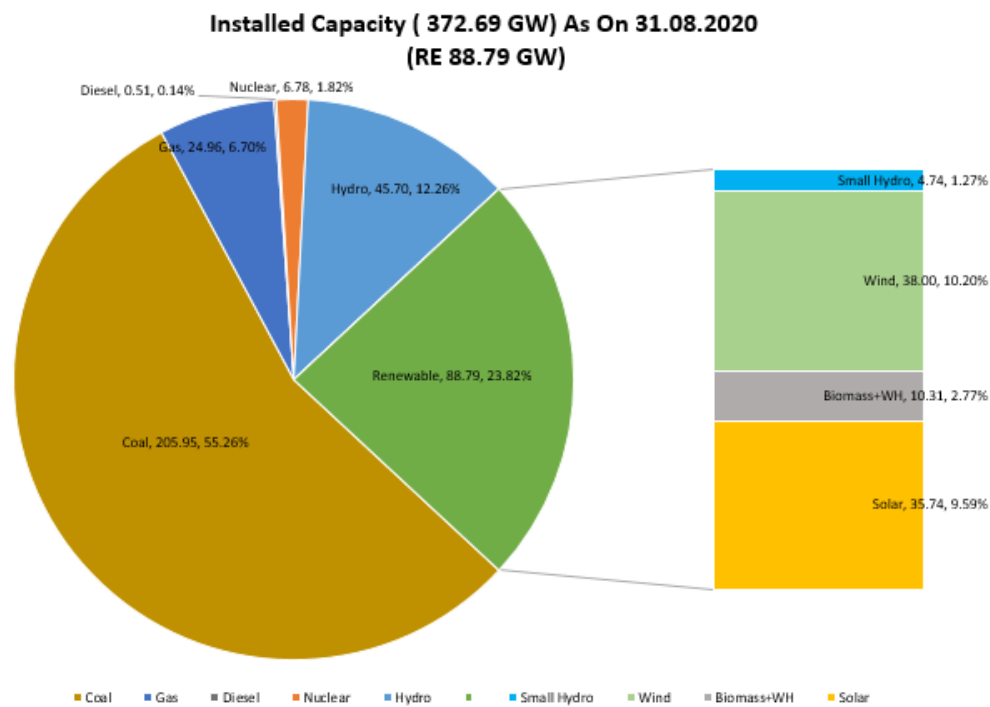


Figure 3 Installed Capacity in India as on 31.08.2020

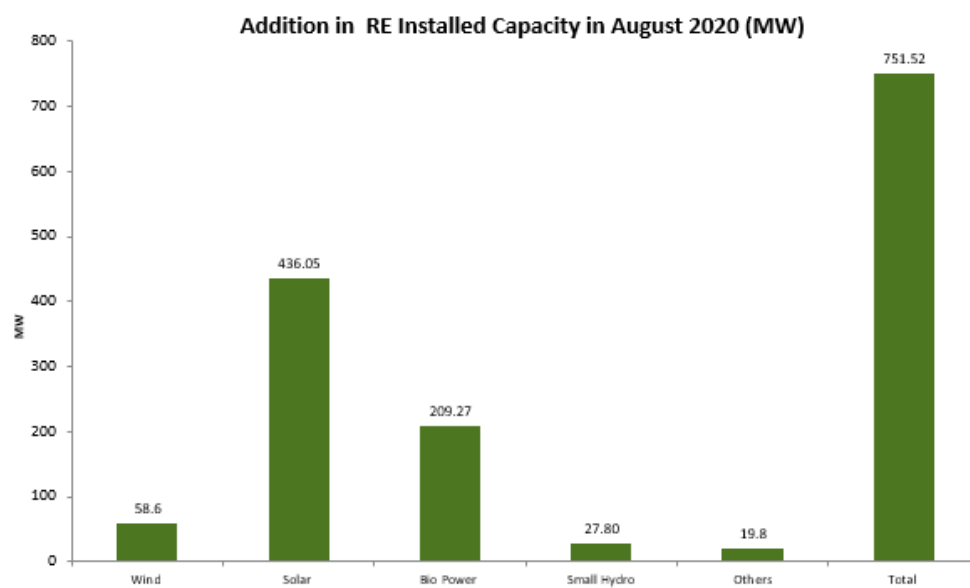


Figure 4: Addition in RE Installed Capacity in Aug 20.

HIGHLIGHTS OF RE GENERATION DURING SEPTEMBER, 2020

1. RE generation, up by 5.34% in September 2020 as compare to September 2019.
2. Wind Power generation during the month of September 2020 decreased in states namely Rajasthan, Gujarat , Madhya Pradesh, Maharashtra , Karnataka and increased in Tamil Nadu, as compared to September, 2019.
3. Daily wind generation decreases by 11.42 % as compared to September 2019 and decreases by 48.02 % as compared to August 2020.
4. Solar Power generation during the month of September, 2020 increased in all major solar rich states like – Punjab, Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra ,Andhra Pradesh, Karnataka, Telangana and Tamil Nadu as compared to September, 2019.
5. Daily solar generation increased by 27.64 % as compared to September 2019 and increased by 10.26 % as compared to August 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 .

Source	Installed Capacity as on 30.9.2020(MW) (as per MNRE)	RE Generation(MU) September '2020	RE Generation(MU) September "2019	% of Last Year (2/3)	RE Generation (MU) April'2020-September ' 2020	RE Generation (MU) April'2019-September ' 2019	% Of Last Year (5/6)
	1	2	3	4	5	6	7
Wind	38124.15	4852.12	5477.93	88.58	39072.13	45617.89	85.65
Solar	36050.74	4550.70	3565.14	127.64	29129.90	23046.80	126.39
Biomass	10145.92	251.31	202.23	124.27	1643.82	1377.93	119.30
Bagasse		201.69	234.16	86.13	2243.28	2864.58	78.31
Small Hydro	4739.97	1377.01	1290.36	106.72	6013.07	5045.65	119.17
Others	168.64	140.45	26.83	523.43	631.12	187.33	336.90
Total	89229.42	11373.28	10796.66	105.34	78733.31	78140.19	100.76

ALL INDIA SUMMARY OF RENEWABLE GENERATION

Table 1 All India Summary of Renewable Energy Generation

Additional RE generation in August,20 as comparision to August ,19

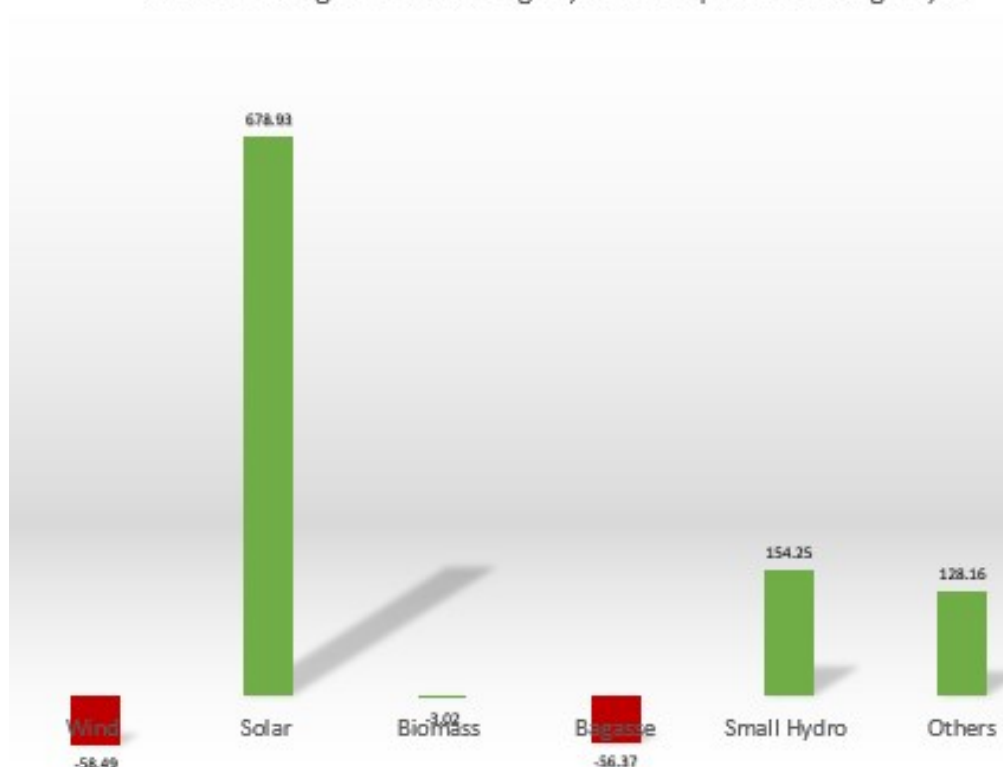


Figure 5 Additional RE Generation in Sep 20

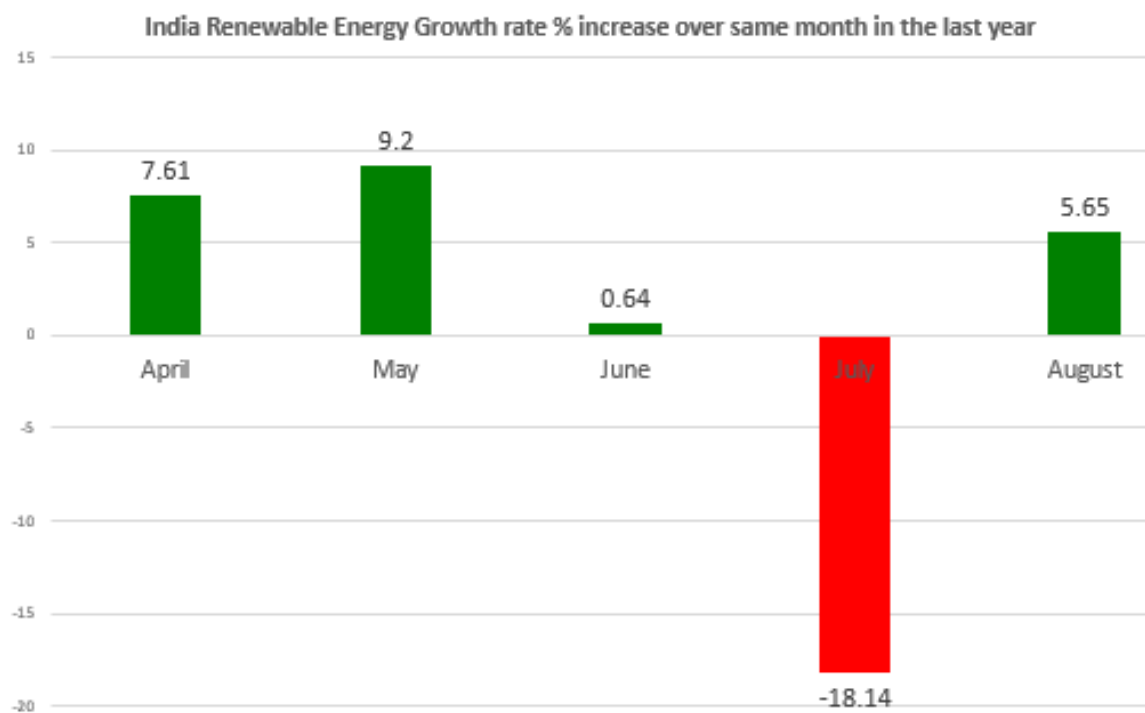
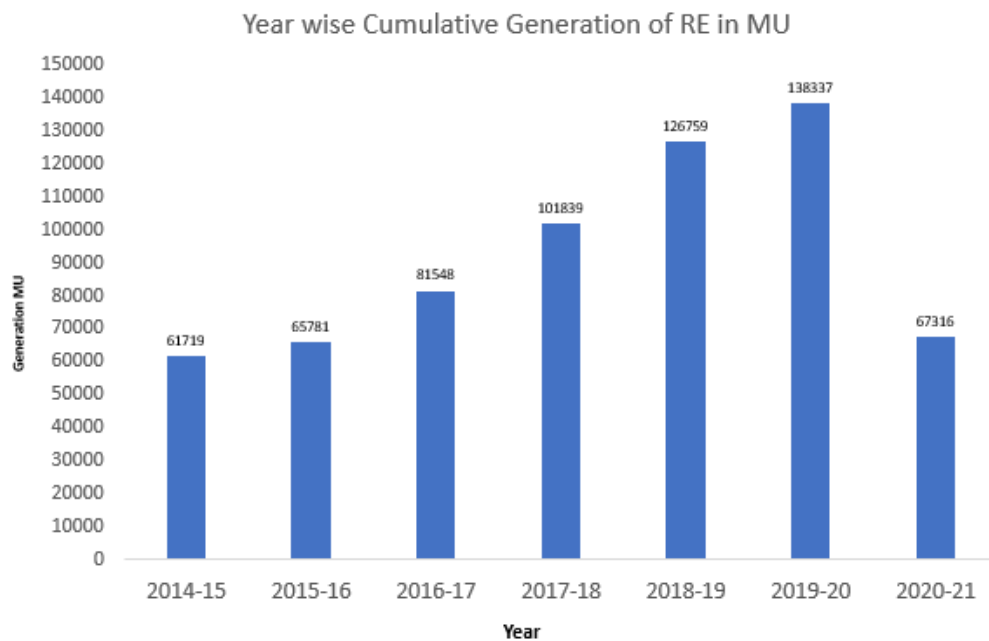


Figure 6 Month Wise Growth of RE Generation



* 2020-21 RE Generation (Upto August 2020)

Figure 7 Year Wise RE Generation

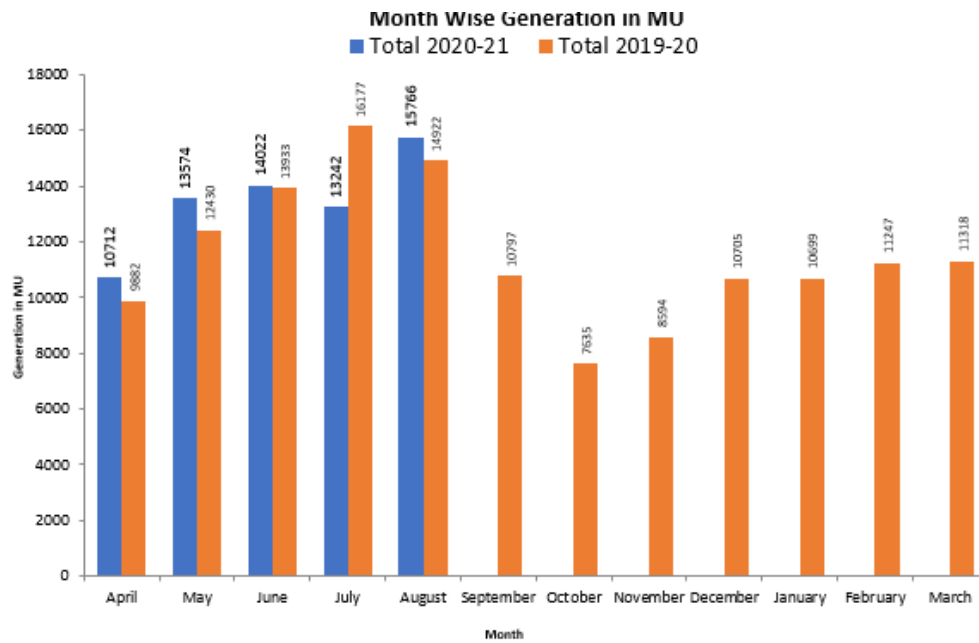


Figure 8 Month Wise RE Generation

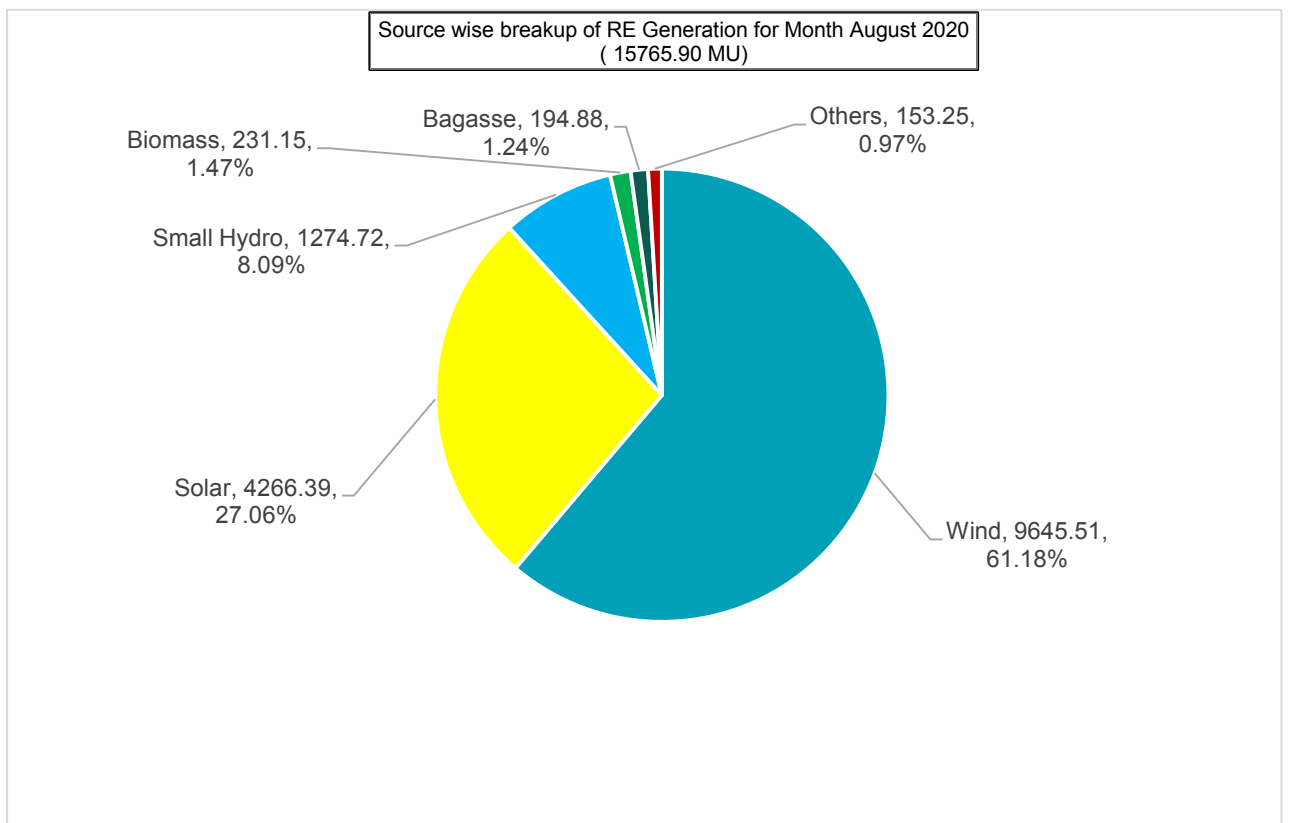


Figure 9 Source wise breakup of Monthly RE Generation

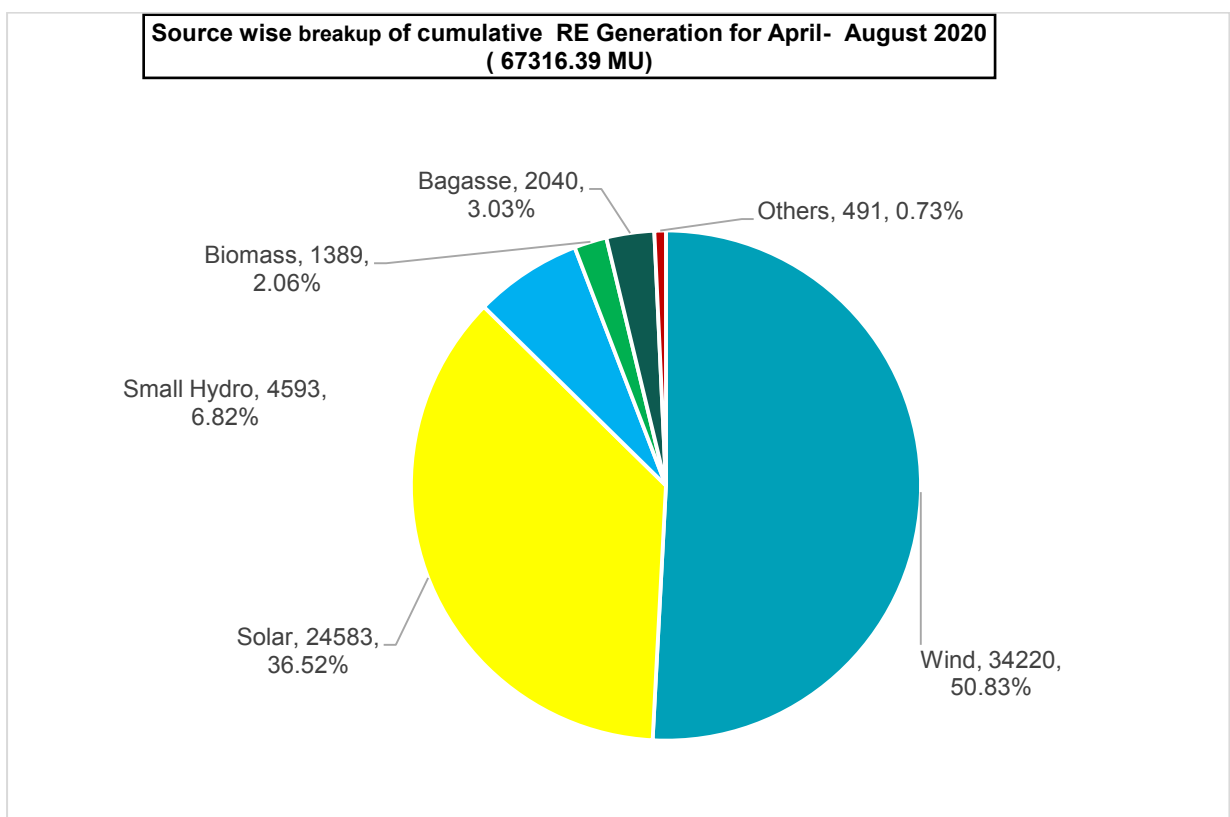


Figure 10 Source wise breakup of Cumulative RE Generation

Monthly Energy Generation (118.9 BU) August,2020

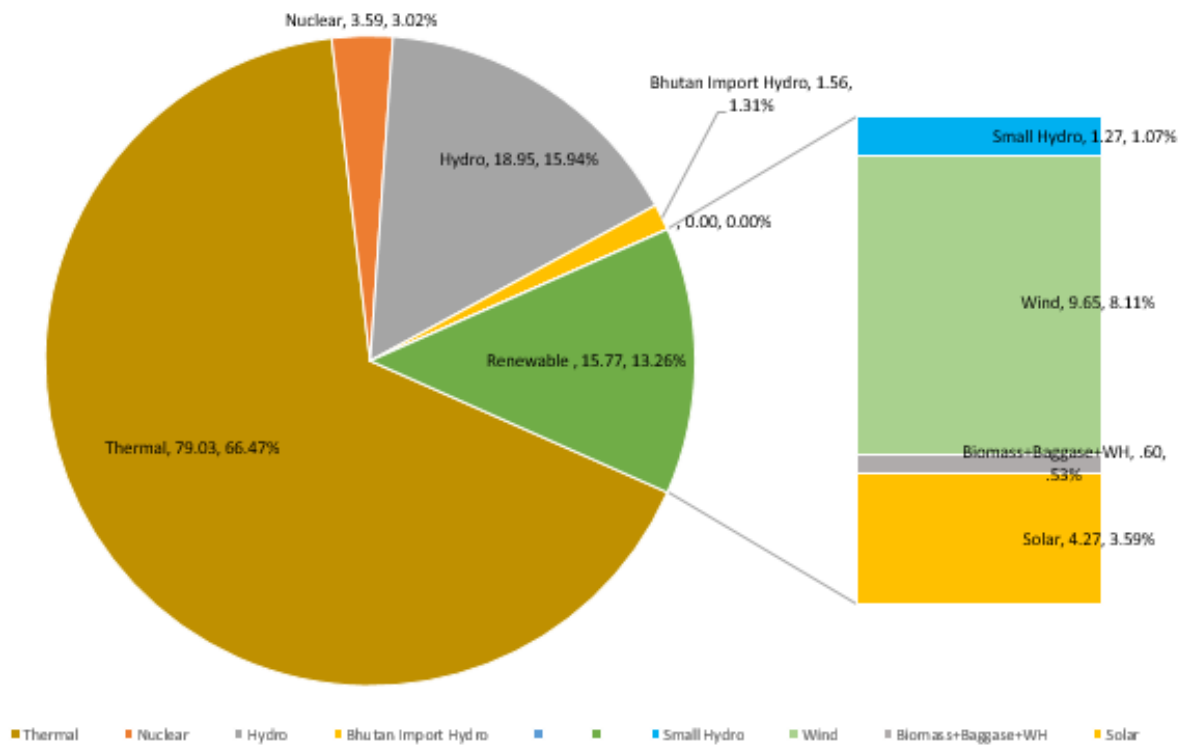


Figure 11 Monthly Energy Generation In India and RE Share

Cumulative Energy Generation (556.41 BU) April - August ,2020

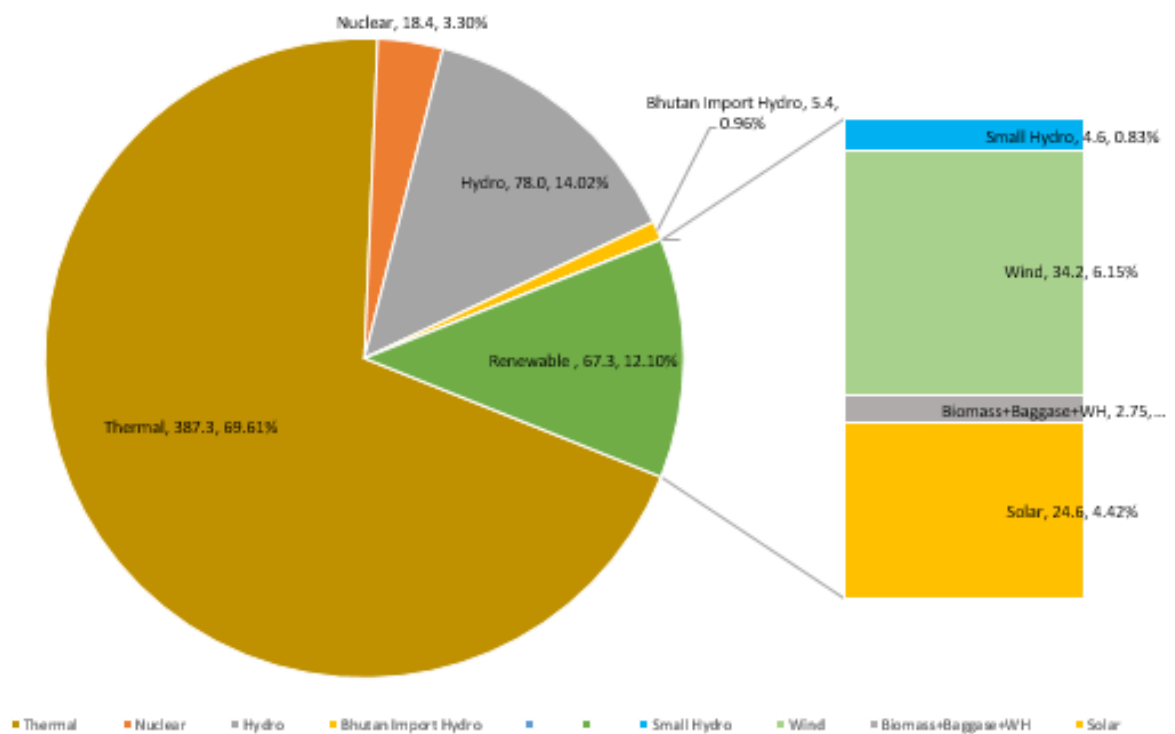


Figure 12 Cumulative Energy Generation In India and RE Share

Table 2 State Wise Renewable Energy Generation

Renewable Energy Generation (State Wise) for the month of September 2020				
State	Sep,2020	Sep,2019	April 2020 - Sep, 2020	April, 2019- Sep, 2019
Chandigarh	0.29	0.16	5.70	6.74
Delhi	33.12	37.85	233.41	231.87
Haryana	60.08	68.48	351.49	335.88
HP	290.01	276.81	1642.98	1401.57
J & K	42.42	29.54	312.25	311.70
Ladakh	0.00		0.00	
Punjab	237.39	227.49	1499.40	1493.40
Rajasthan	1153.20	998.30	9123.59	7466.79
Uttar Pradesh	184.91	103.95	1886.99	1679.10
Uttarakhand	109.85	113.88	697.80	654.41
Northern Region	2111.26	1856.46	15753.61	13581.45
Chhattisgarh	125.20	83.49	730.94	485.59
Gujarat	874.41	823.13	9537.17	9611.33
Madhya Pradesh	683.07	502.58	4711.11	4708.69
Maharashtra	665.11	1177.41	6699.65	8337.03
Dadra and Nagar Haveli	0.38	0.35	2.87	2.89
Daman & Diu	2.80	1.34	15.40	9.68
Goa	0.10		0.66	
Western Region	2351.07	2588.31	21697.79	23155.20
Andhra Pradesh	1127.91	1165.69	7805.82	9065.69
Telangana	480.62	461.11	3313.65	3349.07
Karnataka	2218.14	2348.04	14102.32	12998.55
Kerala	132.15	104.71	579.91	407.84
Tamil Nadu	2673.07	2043.42	14088.15	14034.07
Lakshadweep	0.03	0.05	0.24	0.33
Puducherry	0.37	0.37	2.22	1.91
Southern Region	6632.29	6123.39	39892.31	39857.46
Andaman Nicobar	12.42	0.65	21.38	7.69
Bihar	14.19	15.86	143.48	129.27
Jharkhand	1.28	1.04	7.60	8.59
Orissa	91.01	62.41	422.15	426.80
Sikkim	5.41	5.81	27.89	30.20
West Bengal	133.87	118.18	659.21	813.18
DVC	1.05	0.007	2.60	0.03
Eastern Region	259.21	203.96	1284.32	1415.77
Arunachal Pradesh	0.14	0.17	1.03	0.97
Assam	3.33	4.79	19.86	21.97
Manipur	0.48	0.23	3.45	1.00
Meghalaya	3.03	3.64	18.18	27.53
Mizoram	5.13	5.80	20.03	25.14
Nagaland	6.85	8.16	37.76	41.30
Tripura	0.49	1.77	4.99	12.40
North Eastern Region	19.45	24.55	105.29	130.31
All India Total	11373.28	10796.66	78733.31	78140.19

Table 3 State Wise wind Power Generation

Wind Energy Generation (State Wise) for the month of September,2020				
State	Sep 2020	Sep,2019	April 2020 - Sep 2020	April, 2019- Sep, 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	284.98	350.10	3633.22	3863.67
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	284.98	350.10	3633.22	3880.57
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	550.36	589.26	7324.22	7854.22
Madhya Pradesh	216.97	261.50	2474.77	2974.67
Maharashtra	364.36	880.95	4538.70	6168.00
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	1131.68	1731.71	14337.69	16996.89
Andhra Pradesh	592.27	716.62	4313.21	5955.10
Telangana	13.29	22.26	122.59	139.96
Karnataka	687.06	1075.14	5971.75	7174.50
Kerala	15.31	11.44	82.63	77.88
Tamil Nadu	2127.03	1570.67	10610.04	11338.34
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	3434.95	3396.13	21100.22	24685.77
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	0.50	0.00	1.00	0.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region	0.50	0.00	1.00	0.00
All India Total	4852.12	5477.93	39072.13	45617.89

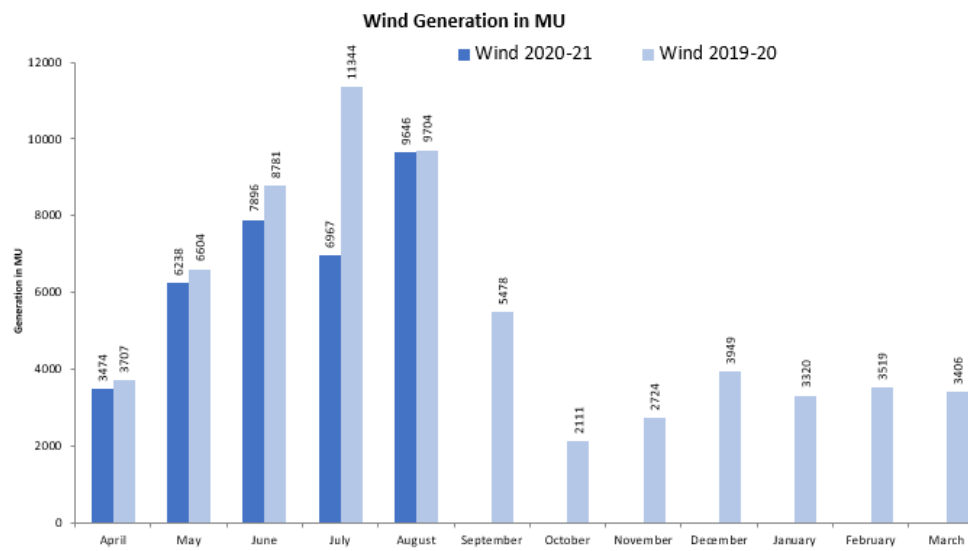


Figure 13 Month Wise Wind Power Generation

Table 4 State Wise Solar Power Generation

Solar Energy Generation (State Wise) for the month of September,2020				
State	Sep,2020	Sep,2019	April 2020 - Sep, 2020	April, 2019- Sep, 2019
Chandigarh	0.29	0.16	5.70	6.74
Delhi	17.16	12.74	104.02	81.12
Haryana	7.49	17.48	40.05	50.53
HP	2.30	0.00	17.89	0.00
J & K	1.02	0.00	2.94	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	119.15	115.72	769.02	797.54
Rajasthan	835.37	617.03	5281.53	3418.95
Uttar Pradesh	134.65	93.17	839.73	708.49
Uttarakhand	25.63	29.20	186.39	183.35
Northern Region	1143.04	885.50	7247.27	5246.72
Chhattisgarh	29.23	20.65	171.71	146.53
Gujarat	303.51	205.55	2069.01	1615.30
Madhya Pradesh	421.31	201.33	2085.19	1613.68
Maharashtra	185.18	155.96	1216.73	1148.36
Dadra and Nagar Haveli	0.38	0.35	2.87	2.89
Daman & Diu	1.95	1.34	11.77	9.68
Goa	0.10	0.00	0.66	0.00
Western Region	941.66	585.18	5557.94	4536.44
Andhra Pradesh	479.37	403.74	3291.91	2938.39
Telangana	441.57	420.10	3046.68	3111.23
Karnataka	1002.65	820.98	6469.05	4504.34
Kerala	23.28	12.60	109.77	62.78
Tamil Nadu	455.70	396.85	3047.96	2334.66
Lakshadweep	0.03	0.05	0.24	0.33
Puducherry	0.37	0.37	2.22	1.92
Southern Region	2402.97	2054.69	15967.84	12953.65
Andaman Nicobar	7.61	0.58	13.20	6.81
Bihar	12.53	13.78	89.38	79.94
Jharkhand	1.28	1.04	7.60	8.59
Orissa	35.56	18.42	205.23	175.90
Sikkim	0.00	0.00	0.00	0.00
West Bengal	4.51	5.01	31.58	31.81
DVC	0.004	0.005	0.01	0.03
Eastern Region	61.50	38.84	347.00	303.08
Arunachal Pradesh	0.10	0.12	0.76	0.61
Assam	0.44	0.47	2.46	2.72
Manipur	0.48	0.23	3.45	1.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.02	0.11	0.14	0.28
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.49	0.00	3.05	2.32
North Eastern Region	1.53	0.93	9.85	6.92
All India Total	4550.70	3565.14	29129.90	23046.80

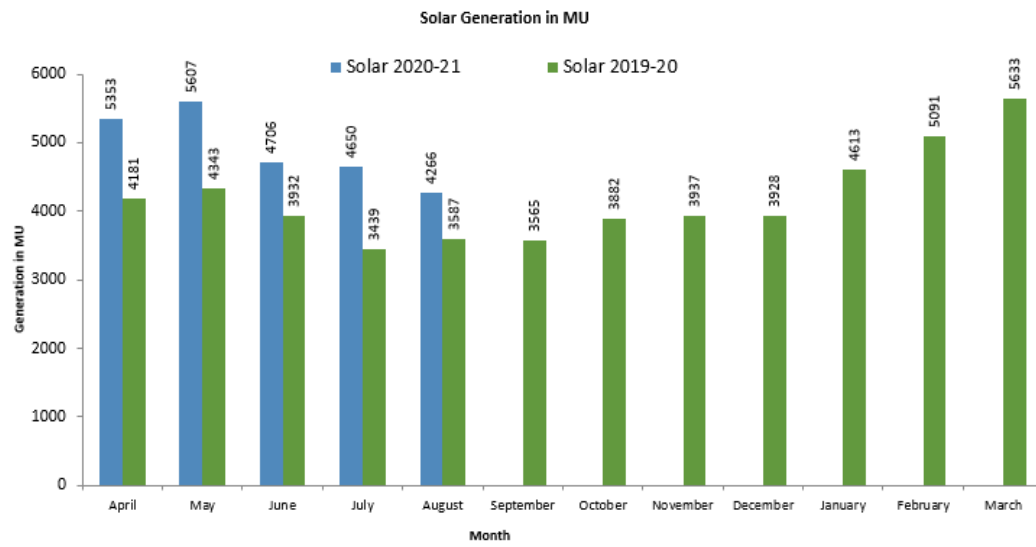


Figure 14 Month wise Solar Power Generation

Table 5 State Wise Biomass Power Generation

Biomass Energy Generation (State Wise) for the month of September ,2020				
State	Sep ,2020	Sep,2019	April 2020 – Sep 2020	April, 2019- Sep, 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	15.10	16.79	83.68	99.27
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	45.31	25.86	272.01	172.40
Rajasthan	32.48	31.10	207.65	183.71
Uttar Pradesh	0.00	0.74	51.52	44.14
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region	92.88	74.49	614.87	499.52
Chhattisgarh	69.25	44.62	469.13	299.59
Gujarat	0.00	3.76	43.13	44.24
Madhya Pradesh	0.10	0.16	0.15	0.99
Maharashtra	28.01	30.08	161.65	200.27
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.85	0.00	3.64	0.00
Goa	0.00	0.00	0.00	0.00
Western Region	98.21	78.62	677.69	545.10
Andhra Pradesh	12.72	11.39	66.33	79.76
Telangana	12.49	9.95	83.21	62.94
Karnataka	17.51	11.18	99.89	85.33
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	14.10	8.94	68.30	60.19
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	56.82	41.45	317.74	288.21
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	1.66	1.22	9.42	8.48
Jharkhand	0.00	0.00	0.00	0.00
Orissa	1.74	6.45	24.10	36.62
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	3.40	7.67	33.52	45.10
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	251.31	202.23	1643.82	1377.93

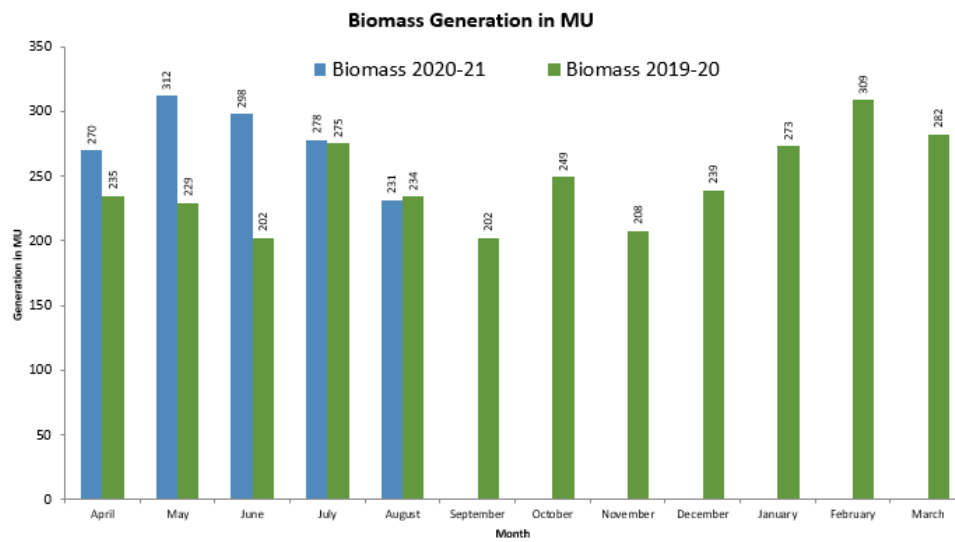


Figure 15 Month Wise Biomass Power Generation

Table 6 State Wise bagasse Power Generation

Bagasse Energy Generation (State Wise) for the month of September 2020				
State	Sep,2020	Sep 2019	April 2020 - Sep 2020	April, 2019- Sep, 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	4.04	0.00	46.74	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	0.00	0.86	31.82	94.26
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	27.93	8.32	935.59	908.77
Uttarakhand	0.00	0.00	29.23	13.88
Northern Region	31.97	9.19	1043.37	1032.97
Chhattisgarh	0.00	0.00	5.08	0.00
Gujarat	0.00	0.00	2.39	3.19
Madhya Pradesh	0.00	0.00	0.00	10.68
Maharashtra	3.75	7.13	362.51	506.64
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	3.75	7.13	369.98	520.52
Andhra Pradesh	1.89	0.00	13.63	19.26
Telangana	0.00	1.73	0.10	14.93
Karnataka	111.44	91.48	372.24	310.41
Kerala	3.93	4.12	22.36	4.12
Tamil Nadu	48.71	25.96	271.39	217.65
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	165.96	123.29	679.72	566.37
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	1.48	31.09
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	94.55	148.73	713.64
DVC	0.00	0.00	0.00	0.00
Eastern Region	0.00	94.55	150.21	744.73
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	201.69	234.16	2243.28	2864.58

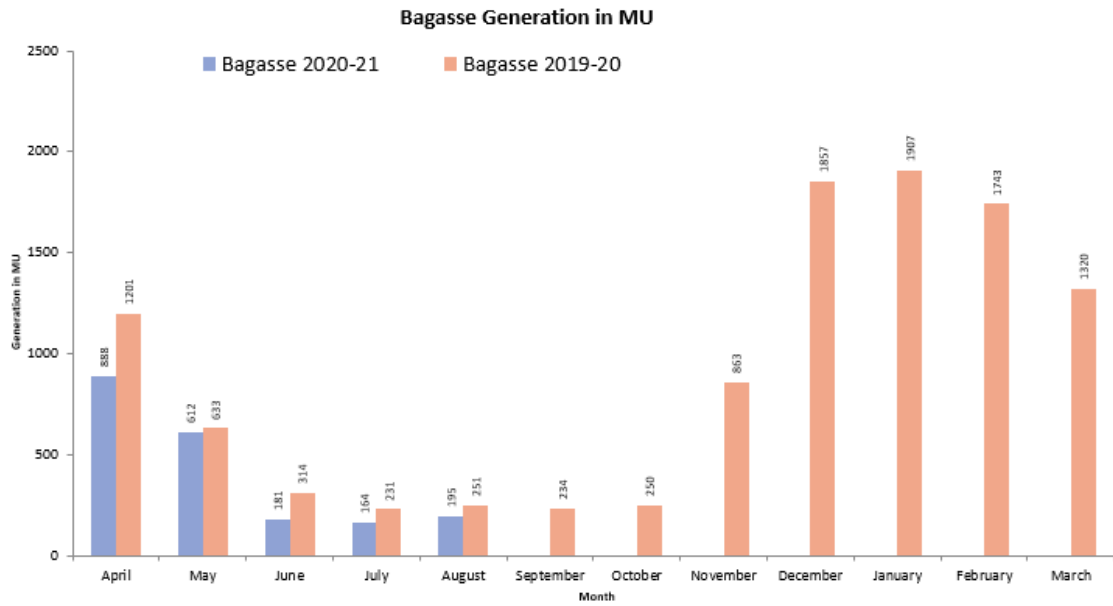


Figure 16 Month wise bagasse Power Generation

Table 7 State Wise Small Hydro Generation

Small Hydro Energy Generation (State Wise) for the month of September ,2020				
State	Sep,2020	Sep,2019	April 2020 - Sep, 2020	April, 2019- Sep 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	33.45	34.22	181.02	170.01
HP	287.71	276.81	1625.09	1401.57
J & K	41.40	29.54	309.31	311.69
Ladakh	0.00	0.00	0.00	0.00
Punjab	72.93	85.01	426.54	412.17
Rajasthan	0.37	0.08	1.19	0.47
Uttar Pradesh	22.33	1.71	60.15	17.72
Uttarakhand	84.22	84.68	482.18	457.18
Northern Region	542.42	512.05	3085.47	2770.81
Chhattisgarh	26.72	18.22	85.02	39.46
Gujarat	20.54	24.56	87.81	78.29
Madhya Pradesh	42.41	38.13	134.79	96.51
Maharashtra	83.80	103.23	420.02	313.24
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	173.47	184.14	727.63	527.51
Andhra Pradesh	34.03	33.78	104.49	69.89
Telangana	7.43	7.07	23.39	15.58
Karnataka	399.49	349.27	1189.38	923.96
Kerala	89.64	76.54	365.15	263.07
Tamil Nadu	27.53	41.00	90.46	83.23
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region	558.11	507.67	1772.87	1355.73
Andaman Nicobar	4.81	0.07	8.18	0.88
Bihar	0.00	0.85	43.20	9.76
Jharkhand	0.00	0.00	0.00	0.00
Orissa	53.70	37.54	192.82	159.63
Sikkim	5.41	5.81	27.89	30.20
West Bengal	20.63	18.61	57.96	67.73
DVC	1.04	0.00	2.60	0.00
Eastern Region	85.59	62.89	332.65	268.21
Arunachal Pradesh	0.04	0.05	0.26	0.37
Assam	2.89	4.32	17.40	19.26
Manipur	0.00	0.00	0.00	0.00
Meghalaya	3.03	3.64	18.18	27.53
Mizoram	5.11	5.68	19.90	24.86
Nagaland	6.35	8.16	36.76	41.31
Tripura	0.00	1.77	1.94	10.07
North Eastern Region	17.42	23.61	94.44	123.39
All India Total	1377.01	1290.36	6013.07	5045.65

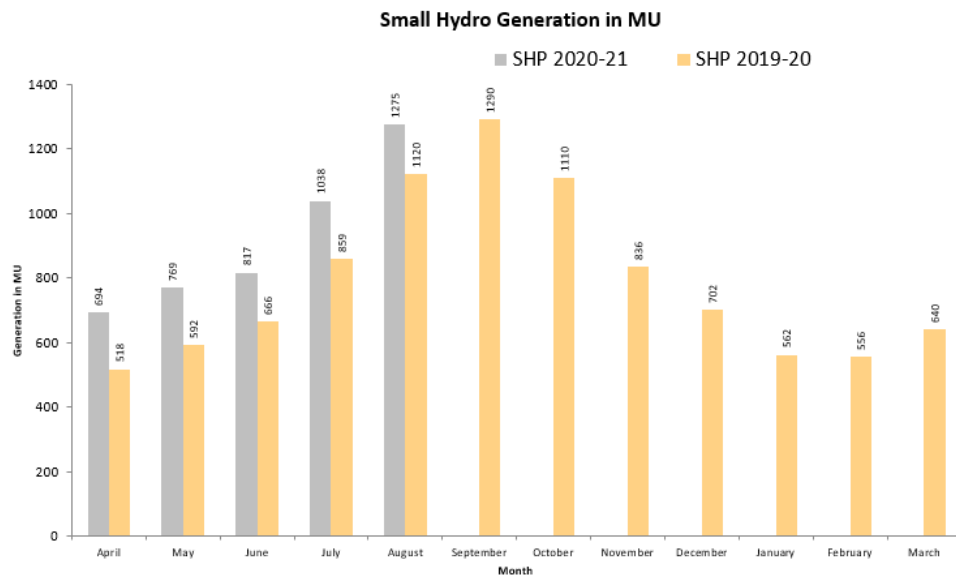


Figure 17 Month wise Small Hydro Power Generation

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

Other Energy Generation (State Wise) for the month of September ,2020				
State	Sep,2020	Sep,2019	April 2020 - Sep 2020	April, 2019- Sep 2019
Chandigarh	0.00	0.00	0.00	0.00
Delhi	15.96	25.11	129.39	150.77
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	0.03	0.01	0.12
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	15.96	25.14	129.40	150.88
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	10.61	16.07
Madhya Pradesh	2.28	1.47	16.21	12.14
Maharashtra	0.00	0.06	0.04	0.51
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	2.29	1.53	26.86	28.73
Andhra Pradesh	7.63	0.16	16.25	3.29
Telangana	5.84	0.00	37.68	4.43
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	13.47	0.16	53.93	7.72
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	108.73	0.00	420.94	0.00
DVC	0.00	0.00	0.00	0.00
Eastern Region	108.73	0.00	420.94	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	140.45	26.83	631.12	187.33

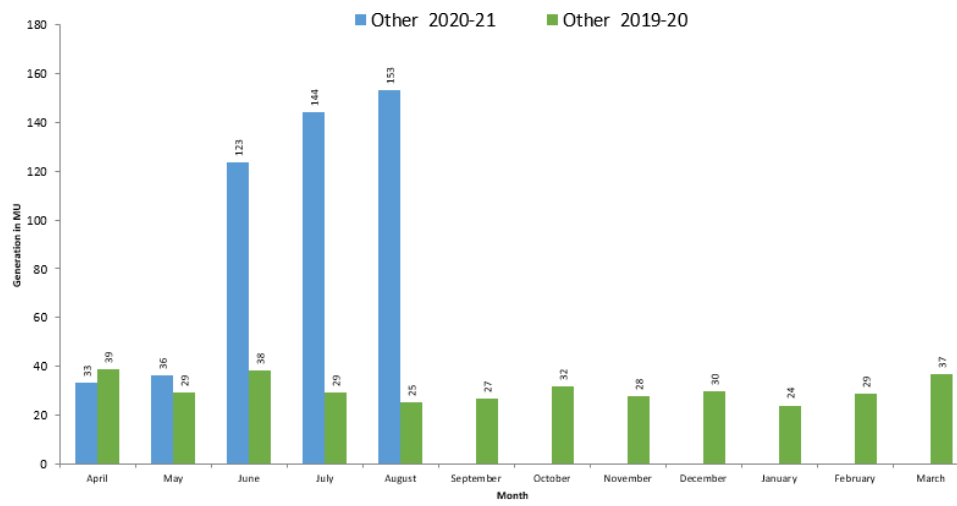


Figure 18 Month Other RE (Waste Heat etc) Power Generation

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter State Generating Station (ISGS) for September, 2020							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.58	16%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.70	16%
UNCHAHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	1.12	16%
ADANI GREEN ENERGY NINETEEN LTD	Rajasthan	Private	IPP	Solar	50	9.03	25%
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	9.75	27%
MAHOBA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	41.07	29%
ACME CHITTORGARH ENERGY PVT LTD	Rajasthan	Private	IPP	Solar	250	40.61	23%
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	36.53	25%
AZURE POWER THIRTY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	130	26.94	29%
CLEAN SOLAR POWER (BHADLA) PVT LDT	Rajasthan	Private	IPP	Solar	300	61.86	29%
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	10.19	28%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	48.65	27%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	39.96	28%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	31.45	29%
Northern Region					1860	359.44	27%
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	35.01	19%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	34.72	19%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	39.52	22%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	23.59	13%
ALFANAR WIND	Gujarat	Private	IPP	Wind	300	26.35	12%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	32.37	18%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	33.79	16%
ADANI GREEN ENERGY MP LTD(DAYAPAR)	Gujarat	Private	IPP	Wind	176.6	24.86	20%

IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	250	17.30	10%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	31.99	18%
Western Region					2526.6	299.50	16%
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	86.43	48%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	68.34	47%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	71.02	53%
BEETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	50.2	35.98	100%
Southern Region					687.2	261.77	
Total					5073.8	920.71	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise) for September 2020						
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)	Monthly CUF (%)
				September,2020	April 2020 to September 2020	
NTPC						
NTPC Faridabad _Solar	Haryana	5	Solar	0.60	3.67	
NTPC Bhadla	Rajasthan	260	Solar	35.75	229.50	
NTPC Dadri _Solar	Uttar Pradesh	5	Solar	0.58	3.57	
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	1.12	7.34	
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	1.70	10.64	
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	0.00	13.70	
NTPC Rojmal	Gujarat	50	Wind	3.73	43.55	
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	6.59	38.91	
NTPC Mandsaur	Madhya Pradesh	250	Solar	31.01	194.89	
NTPC Anantapuram	Andhra Pradesh	250	Solar	27.52	189.49	
NTPC Ramagundam	Telangana	10	Solar	0.88	6.75	
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.47	2.33	
NTPC Talchar _Solar	Orissa	10	Solar	1.05	6.61	
Total NTPC		928		111.00	750.96	
THDC						
THDC Patan Wind Power Project	Gujarat	24.33	Wind	2.34	44.00	
THDC Devbhumi Dwarka Wind Power Project	Gujarat	42.28	Wind	5.06	73.37	
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	22.16	Small Hydro	12.21	23.85	
Total THDC		39.05		19.61	117.37	
NHPC						
NHPC Wind Power Project	Rajasthan	20.25	Wind	3.43	39.47	
NHPC Solar Power Project	Tamil Nadu	21.20	Solar	6.37	47.06	
Total NHPC		20.73		9.80	86.54	
ONGC						
ONGC Wind, Bhuj	Gujarat	30.65	Wind	2.90	43.09	
ONGC Wind, Jaisalmer	Rajasthan	18.68	Wind	5.67	82.33	
ONGC Solar, Goa	Goa	12.86	Solar	0.10	0.66	
ONGC Solar, Hazira	Gujarat	10.64	Solar	1.05	7.18	
ONGC Solar, Ankleshwar	Gujarat	13.45	Solar	0.62	3.34	
ONGC Solar,Rajahmundry	Andhra Pradesh	10.86	Solar	0.08	0.58	
ONGS Solar, SPP of Assam	Assam	13.20	Solar	0.10	0.20	

ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	0.56	Solar	0.34	0.36	
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	8.78	Solar	0.49	2.34	
ONGC Solar, Assam (RTS)	Assam	11.57	Solar	0.13	0.88	
ONGC Solar, Uttarakhand (RTS)	Uttarkhand	11.12	Solar	0.12	0.62	
ONGC Solar, Agartala asset	Tripura	13.30	Solar	0.02	0.13	
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.73	Solar	0.002	0.01	
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	80.12	Solar	0.0067	0.02	
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.00	Solar	0.00	0.00	
Total ONGC		20.42		11.62	141.74	
SJVN Limited						
Khirvire Wind Power	Maharashtra	40.27	Wind	13.80	51.37	
Sadla Wind Power	Gujarat	30.97	Solar	11.15	50.41	
Charanka Solar Power	Gujarat	7.47	Solar	0.30	3.61	
Total SJVN		33.98		25.25	105.39	
Oil India Ltd						
Oil India Ltd	Rajasthan	19.68	Solar	1.94	12.73	
Oil India Ltd	Rajasthan	13.99	Wind	4.47	43.10	
Oil India Ltd	Gujarat	33.41	Wind	3.72	41.88	
Oil India Ltd	Madhya Pradesh	32.20	Wind	5.99	72.34	
Total Oil India Ltd		25.00		16.12	170.05	
NEEPCO	Tripura	5	Solar	0.49	2.76	
All India		1621.30		193.89	1374.81	
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 SEPTEMBER,2020,

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

Table 11 RE Curtailment Data as available from SLDCs

Renewable Energy Curtailment for the month of September -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/mpsldc/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
05-08-2020	54	13:24:00	300	300	1332	Curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
05-08-2020	54	13:24:00	100	100	1332	Curtailed to maintain grid security as per IEGC regulation (At Mylavaram SS)
05-08-2020	54	13:24:00	100	100	1332	Curtailed to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
05-08-2020	58	14:29:00	-300	0	733	Released to maintain grid security as per IEGC regulation (At Ghani SS)
05-08-2020	58	14:29:00	-100	0	733	Released to maintain grid security as per IEGC regulation (At Mylavaram SS)
05-08-2020	58	14:29:00	-100	0	733	Released to maintain grid security as per IEGC regulation (At Talaricheruvu SS)
06-08-2020	45	11:11:00	100	100	1641	Curtailed to maintain grid security or safety as per IEGC regulation (At Distributed Solar in percentage)
06-08-2020	47	11:39:00	-100	0	1132	Released to maintain grid security or safety as per IEGC regulation (at Distributed Solar in percentage)
11-08-2020	59	14:40:00	300	300	1407	Curtailed to maintain grid security as per IEGC regulation (At Ghani SS)
11-08-2020	62	15:18:00	-300	0	724	Released 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
01-08-2020	80	19:57:00	40	40	833	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-08-2020	80	19:57:00	100	100	234	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-08-2020	81	20:06:00	40	80	844	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
01-08-2020	82	20:16:00	-40	40	454	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
01-08-2020	82	20:21:00	-40	0	467	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
01-08-2020	82	20:21:00	-100	0	182	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	12	02:45:00	100	100	378	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	12	02:45:00	20	20	1126	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	13	03:05:00	20	40	1006	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	14	03:16:00	-20	20	849	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	15	03:38:00	-20	0	984	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	15	03:38:00	-100	0	263	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	29	07:02:00	100	100	367	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	29	07:02:00	20	20	1054	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	33	08:01:00	20	40	1014	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	34	08:16:00	50	90	894	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	50	12:16:00	-20	70	500	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
						percentage)
02-08-2020	51	12:42:00	-20	50	613	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	59	14:34:00	-20	30	940	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	65	16:12:00	20	50	1109	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	75	18:35:00	-20	30	1169	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	76	18:46:00	-30	0	1381	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	77	19:03:00	40	40	1869	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	83	20:31:00	-10	30	1436	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	85	21:05:00	-10	20	1553	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	89	22:10:00	-10	10	1642	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	92	22:48:00	-10	0	1620	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
02-08-2020	92	22:48:00	-100	0	570	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	8	01:52:00	100	100	583	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	8	01:52:00	30	30	1627	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	13	03:12:00	-10	20	1156	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	16	03:49:00	-20	0	1200	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	16	03:49:00	-100	0	392	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	35	08:32:00	100	100	417	Wind generators with temporary 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
03-08-2020	35	08:32:00	20	20	1675	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	36	08:47:00	30	50	1514	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	43	10:42:00	20	70	1271	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	48	11:53:00	-20	50	1071	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	66	16:28:00	-10	40	1406	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	69	17:04:00	20	60	1461	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	74	18:22:00	-20	40	1164	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	75	18:35:00	-10	30	1334	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	75	18:44:00	-10	20	1480	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	76	18:53:00	-10	10	1601	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	76	18:59:00	-10	0	1667	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	76	18:59:00	-100	0	507	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	92	22:55:00	30	30	1928	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	92	22:55:00	100	100	512	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	94	23:19:00	-20	10	1613	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
03-08-2020	96	23:51:00	20	30	1777	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	1	00:07:00	20	50	1612	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	4	00:52:00	20	70	1369	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)
04-08-2020	42	10:16:00	20	90	1186	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	50	12:20:00	-10	80	847	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	52	12:56:00	10	90	989	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	59	14:36:00	-10	80	917	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	59	14:42:00	-10	70	979	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	73	18:11:00	-10	60	1198	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	74	18:28:00	-20	40	1283	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	75	18:42:00	-30	10	1472	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	77	19:09:00	-10	0	1950	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	77	19:09:00	-100	0	620	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	87	21:41:00	100	100	636	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	87	21:41:00	20	20	2155	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
04-08-2020	93	23:12:00	30	50	1976	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	5	01:12:00	20	70	1572	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	25	06:14:00	-10	60	1184	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	32	07:51:00	-20	40	1286	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	40	09:51:00	10	50	1588	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)
05-08-2020	41	10:05:00	20	70	1518	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	43	10:30:00	20	90	1221	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	62	15:26:00	-20	70	858	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	71	17:33:00	-10	60	1132	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	73	18:11:00	-20	40	1286	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	75	18:37:00	-30	10	1629	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	78	19:21:00	-10	0	2016	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	78	19:21:00	-100	0	648	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	90	22:23:00	100	100	567	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
05-08-2020	90	22:23:00	20	20	2149	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	1	00:04:00	20	40	1807	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	2	00:29:00	20	60	1555	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	18	04:25:00	-10	50	1217	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	19	04:45:00	-20	30	1316	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	22	05:16:00	-20	10	1550	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	24	05:58:00	-10	0	1676	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	30	07:21:00	20	20	1746	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
06-08-2020	34	08:24:00	-10	10	1517	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	38	09:19:00	20	30	1825	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	40	09:45:00	-10	20	1677	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	41	10:02:00	20	40	1783	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	44	10:50:00	20	60	1500	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	45	11:01:00	10	70	1353	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	45	11:07:00	20	90	1185	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	47	11:36:00	-20	70	938	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	49	12:07:00	-10	60	1167	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	50	12:26:00	-20	40	1259	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	51	12:39:00	-20	20	1393	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	53	13:05:00	30	50	1601	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	55	13:44:00	20	70	1350	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	58	14:26:00	-20	50	1139	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	64	15:51:00	-20	30	1322	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	74	18:22:00	-100	0	605	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
06-08-2020	74	18:22:00	-30	0	1578	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	36	08:49:00	100	100	482	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)
07-08-2020	36	08:49:00	20	20	1777	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	42	10:15:00	-10	10	1748	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	46	11:27:00	-10	0	1961	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	46	11:27:00	-100	0	698	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	50	12:18:00	100	100	693	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	50	12:18:00	20	20	2065	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	53	13:10:00	-10	10	1772	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	55	13:41:00	-10	0	1924	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
07-08-2020	55	13:41:00	-100	0	656	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	39	09:37:00	100	100	618	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	39	09:37:00	40	40	1786	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	41	10:02:00	20	60	1398	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	43	10:31:00	20	80	1153	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	50	12:23:00	-30	50	865	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	51	12:41:00	-20	30	1212	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	54	13:23:00	-20	10	1507	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
08-08-2020	56	13:45:00	-10	0	1737	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
						percentage)
08-08-2020	56	13:45:00	-100	0	604	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	72	17:47:00	100	100	417	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	72	17:47:00	20	20	1443	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	74	18:23:00	-20	0	1438	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	74	18:23:00	-100	0	487	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	79	19:34:00	100	100	597	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	79	19:34:00	20	20	1784	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	86	21:28:00	-20	0	1336	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
09-08-2020	86	21:28:00	-100	0	577	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	1	00:14:00	100	100	541	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	1	00:14:00	20	20	1827	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	12	02:58:00	-20	0	1572	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	12	02:58:00	-100	0	413	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	42	10:18:00	100	100	406	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	42	10:18:00	50	50	1493	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	49	12:04:00	-20	30	1152	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	74	18:26:00	-20	10	1488	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
10-08-2020	75	18:41:00	-10	0	1630	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
10-08-2020	75	18:41:00	-100	0	464	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	40	09:51:00	100	100	578	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	40	09:51:00	30	30	1523	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	44	10:55:00	20	50	1337	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	48	11:52:00	-20	30	1205	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	50	12:24:00	-20	10	1356	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	58	14:20:00	-10	0	1616	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
11-08-2020	58	14:20:00	-100	0	587	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	41	10:03:00	20	20	2047	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	41	10:03:00	100	100	638	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	43	10:34:00	20	40	1821	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	50	12:24:00	-10	30	1535	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	70	17:25:00	-10	20	1722	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	71	17:40:00	-10	10	1850	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	72	17:45:00	-10	0	1900	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
12-08-2020	72	17:45:00	-100	0	624	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	44	10:45:00	20	20	1923	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)
11-08-2020	58	14:20:00	-100	0	587	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	44	10:45:00	100	100	598	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	52	12:52:00	-10	10	1717	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	59	14:42:00	-10	0	1728	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	60	14:48:00	-100	0	554	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	41	10:02:00	100	100	590	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	41	10:02:00	20	20	1872	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	42	10:25:00	20	40	1686	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	48	11:47:00	-10	30	1474	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	58	14:27:00	-20	10	1505	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	61	15:01:00	-10	0	1727	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	61	15:01:00	-100	0	525	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	70	17:24:00	100	100	558	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	70	17:24:00	20	20	1674	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	72	17:47:00	-20	0	1470	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	72	17:47:00	-100	0	527	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	42	10:20:00	100	100	573	Wind generators with temporary 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)
15-08-2020	42	10:20:00	10	10	1708	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	44	10:45:00	100	100	598	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	52	12:52:00	-10	10	1717	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	59	14:42:00	-10	0	1728	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
13-08-2020	60	14:48:00	-100	0	554	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	41	10:02:00	100	100	590	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	41	10:02:00	20	20	1872	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	42	10:25:00	20	40	1686	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	48	11:47:00	-10	30	1474	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	58	14:27:00	-20	10	1505	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	61	15:01:00	-10	0	1727	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	61	15:01:00	-100	0	525	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	70	17:24:00	100	100	558	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	70	17:24:00	20	20	1674	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	72	17:47:00	-20	0	1470	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
14-08-2020	72	17:47:00	-100	0	527	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	42	10:20:00	100	100	573	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in

Date	Block No	Time	Wind curtailment (MW)	Total Wind Curtailment (MW)	Wind generation (MW)	Reasons for Backing down
						percentage)
15-08-2020	42	10:20:00	10	10	1708	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	43	10:39:00	20	30	1721	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	45	11:04:00	10	40	1502	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	52	12:49:00	10	50	1452	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	53	13:08:00	10	60	1282	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	58	14:29:00	-10	50	1104	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	72	17:55:00	-20	30	1211	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	74	18:27:00	-20	10	1342	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	75	18:38:00	-10	0	1351	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
15-08-2020	75	18:38:00	-100	0	366	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	6	01:25:00	100	100	403	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	6	01:25:00	10	10	1268	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	8	01:55:00	10	20	1192	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	14	03:27:00	-10	10	982	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	15	03:38:00	-100	0	352	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	15	03:38:00	-10	0	953	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	45	11:10:00	100	100	405	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	45	11:10:00	20	20	1547	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)
16-08-2020	47	11:37:00	20	40	1451	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	52	12:58:00	20	60	1309	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	57	14:05:00	20	80	1025	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	58	14:25:00	-10	70	791	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	60	14:50:00	-10	60	934	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	62	15:23:00	-10	50	1109	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	65	16:01:00	-20	30	1194	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	70	17:26:00	-10	20	1432	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	71	17:43:00	-10	10	1484	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	73	18:10:00	-10	0	1469	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	73	18:10:00	-100	0	446	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	93	23:05:00	100	100	491	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
16-08-2020	93	23:05:00	20	20	1679	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	2	00:23:00	20	40	1598	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	16	03:50:00	-20	20	1168	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	19	04:43:00	-20	0	1190	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	19	04:43:00	-100	0	395	Wind generators with temporary

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)
17-08-2020	53	13:05:00	100	100	503	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	53	13:05:00	20	20	1671	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	54	13:27:00	20	40	1527	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	62	15:28:00	-20	20	1201	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	74	18:15:00	-20	0	1348	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
17-08-2020	74	18:15:00	-100	0	433	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	36	08:50:00	100	100	469	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	36	08:50:00	30	30	1488	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	44	10:51:00	-10	20	1364	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	58	14:16:00	-20	0	1319	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	58	14:16:00	-100	0	429	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	65	16:04:00	100	100	526	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	65	16:04:00	20	20	1856	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	69	17:06:00	10	30	1547	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	73	18:15:00	-30	0	1438	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	73	18:15:00	-100	0	453	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	80	19:58:00	100	100	487	Wind generators with temporary 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)
18-08-2020	80	19:58:00	30	30	1600	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	81	20:12:00	20	50	1378	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	86	21:20:00	-30	20	1106	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	89	22:13:00	-20	0	1438	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	89	22:13:00	-100	0	401	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	95	23:40:00	100	100	450	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
18-08-2020	95	23:40:00	20	20	1591	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	22	05:18:00	-10	10	1123	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	23	05:40:00	-10	0	1116	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	23	05:40:00	-100	0	397	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	35	08:34:00	100	100	456	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	35	08:34:00	50	50	1400	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	41	10:05:00	20	70	1138	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	43	10:40:00	20	90	979	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	58	14:19:00	-20	70	652	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	59	14:35:00	-20	50	829	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	60	14:52:00	-20	30	1024	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	63	15:37:00	-20	10	1183	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)
19-08-2020	66	16:20:00	-10	0	1138	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	66	16:24:00	-100	0	350	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	82	20:20:00	100	100	378	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	82	20:20:00	30	30	1328	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	82	20:27:00	30	60	1408	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	85	21:01:00	-20	40	991	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	86	21:26:00	-20	20	1147	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	88	21:50:00	-20	0	1330	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	88	21:50:00	-100	0	424	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	96	23:55:00	100	100	514	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
19-08-2020	96	23:55:00	20	20	1773	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	5	01:11:00	10	30	1593	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	12	02:55:00	20	50	1499	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	18	04:17:00	-20	30	1078	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	19	04:33:00	-30	0	1105	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	19	04:33:00	-100	0	351	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	42	10:22:00	100	100	625	Wind generators with temporary 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)
20-08-2020	42	10:22:00	20	20	1994	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	49	12:05:00	20	40	1589	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	52	12:50:00	20	60	1445	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	58	14:23:00	-10	50	1131	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	59	14:35:00	-20	30	1219	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	60	14:50:00	-20	10	1354	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	61	15:03:00	-10	0	1388	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
20-08-2020	61	15:03:00	-100	0	429	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	39	09:31:00	100	100	395	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	39	09:31:00	20	20	1474	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	40	09:52:00	20	40	1397	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	50	12:17:00	-10	30	1253	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	54	13:29:00	20	50	1366	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	58	14:20:00	-10	40	1075	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	58	14:20:00	-20	20	1075	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	61	15:14:00	-10	10	1266	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	63	15:34:00	-100	0	358	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	63	15:34:00	-10	0	1329	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)
21-08-2020	72	17:50:00	10	10	1701	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	72	17:50:00	100	100	567	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	76	18:57:00	-100	0	412	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
21-08-2020	76	18:57:00	-10	0	1282	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	39	09:40:00	100	100	270	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	39	09:40:00	20	20	940	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	40	09:57:00	20	40	937	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	48	11:58:00	10	50	798	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	49	12:12:00	-20	30	736	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	52	12:53:00	-20	10	850	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	53	13:13:00	-10	0	925	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	53	13:13:00	-100	0	278	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	69	17:05:00	50	50	338	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	69	17:05:00	20	20	830	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	70	17:18:00	-10	10	668	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	70	17:28:00	-10	0	633	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
22-08-2020	70	17:28:00	-50	0	226	Wind generators with temporary 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
						percentage)
23-08-2020	45	11:02:00	50	50	313	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	45	11:02:00	20	20	1021	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	46	11:20:00	-10	10	877	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	46	11:29:00	-10	0	885	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	46	11:29:00	-50	0	293	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	54	13:15:00	20	20	1016	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	54	13:22:00	20	40	1014	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	54	13:15:00	50	50	431	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	54	13:22:00	50	100	426	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	55	13:33:00	-20	20	847	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	57	14:06:00	-20	0	894	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	57	14:06:00	-100	0	355	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	70	17:19:00	50	50	331	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	70	17:20:00	20	20	1141	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	72	17:55:00	-20	0	897	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
23-08-2020	72	17:55:00	-50	0	330	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	53	13:12:00	20	20	678	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	53	13:12:00	50	50	169	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)
24-08-2020	54	13:25:00	50	100	184	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	54	13:25:00	30	50	685	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	57	14:06:00	-20	30	563	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	58	14:17:00	-20	10	604	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	58	14:28:00	-10	0	621	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
24-08-2020	58	14:28:00	-100	0	219	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	18	04:26:00	50	50	350	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	18	04:26:00	20	20	1046	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	21	05:12:00	-20	0	909	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	21	05:12:00	-50	0	297	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	38	09:18:00	50	50	268	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	38	09:18:00	30	30	602	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	40	09:46:00	-20	10	450	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	41	10:10:00	-10	0	508	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
25-08-2020	41	10:10:00	-50	0	230	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	31	07:45:00	70	70	667	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	31	07:45:00	70	70	149	Wind generators with temporary 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)
30-08-2020	35	08:37:00	-50	20	511	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	40	09:50:00	20	40	745	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	42	10:17:00	-20	20	622	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	43	10:34:00	-20	0	657	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	43	10:34:00	-70	0	230	Wind generators with temporary connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	66	16:20:00	50	50	263	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	66	16:20:00	20	20	729	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	70	17:25:00	30	50	780	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	72	17:51:00	20	70	658	Wind generators with permanent connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	72	17:51:00	20	70	223	Wind generators with temporary connectivity are curtailed to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	74	18:23:00	-20	50	544	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	75	18:31:00	-50	0	617	Wind generators with permanent connectivity are released to maintain grid security as per IEGC regulation (in percentage)
30-08-2020	75	18:31:00	-70	0	238	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 September 2020				
Station	Source	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region				
ACME CHITTORGARH ENERGY PVT LTD	Solar	37.92	37.27	-0.65
ADANI GREEN ENERGY NINETEEN LTD	Solar	4.57	4.93	0.36
AZURE SOLAR	Solar	32.97	33.59	0.62
AZURE SOLAR THIRTY FOUR	Solar	24.71	24.91	0.2
CLEAN SOLAR POWER(BHADLA) PVT LTD.	Solar	60.87	60.1	-0.77
DADRI SOLAR	Solar	0.64	0.5	-0.14
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Solar	8.90	9.82	0.92
MAHOBA SOLAR	Solar	38.03	38.12	0.09
RENEW SOLAR	Solar	10.00	9.64	-0.36
RENEW SOLAR POWER LTD PVT BIKANER	Solar	45.99	46.66	0.67
SB ENERGY	Solar	37.31	38.2	0.89
SINGRAULI SOLAR	Solar	1.53	1.56	0.03
TATA POWER RENEWABLE	Solar	27.56	28.35	0.79
UNCHAHAHAR SOLAR	Solar	1.26	1.16	-0.1
Western Region				
ACME SOLAR (RAMNAGAR)	Solar	33.11	32.78	-0.33
ADANI GREEN ENERGY MP,LTD	Wind	54.88	53.13	-1.75
ALFANAR WIND	Wind	42.59	41.15	-1.44
ARINSUN SOLAR (BARSITADESH)	Solar	32.27	31.77	-0.49
GREEN INFRA WIND ENERGY LIMITED SECI 2	Wind	73.65	70.29	-3.36
GREEN INFRA WIND ENERGY LIMITED SECI 3	Wind	65.01	58.65	-6.35
INOX WIND	Wind	44.19	40.53	-3.66
MAHINDRA SOLAR (BADWAR)	Solar	35.35	33.92	-1.43
OSTRO -KUTCH	Wind	74.15	70.72	-3.42
RENEW POWER	Solar	60.83	60.06	-0.77
Southern Region				
BEETAM	Wind	19.10	21.73	2.63
GIREL	Wind	102.61	100.01	-2.59
MYTRAH	Wind	80.10	73.83	-6.27
ORANGE	Wind	80.13	81.90	1.76

+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 September ,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	0.28	0.28	100.00
Delhi	0.00	414.83	0.00	0.00	41.97	456.80	9.19
Haryana	354.76	101.19	0.00	0.00	46.52	502.47	9.26
HP	0.00	0.00	0.00	5899.80	284.83	6184.63	100.00
J & K	0.00	0.00	0.00	2082.88	46.97	2129.85	100.00
Ladakh	0.00	0.00	0.00	58.20	0.00	58.20	100.00
Punjab	2615.90	0.00	0.00	505.06	252.91	3373.87	22.47
Rajasthan	3222.85	335.09	518.98	33.27	1420.37	5530.56	35.67
Uttar Pradesh	10579.25	278.05	301.41	194.97	153.47	11507.15	5.65
Uttarakhand	0.00	0.00	0.00	1800.59	109.85	1910.44	100.00
Northern Region	16772.76	1129.16	820.39	10574.77	2357.17	31654.25	43.45
Chhattisgarh	11197.40	0.00	0.00	87.74	58.80	11343.94	1.29
Gujarat	4848.61	1515.19	304.02	299.46	1911.44	8878.72	28.33
Madhya Pradesh	10083.81	0.00	0.00	499.93	799.55	11383.29	11.42
Maharashtra	5718.72	474.40	810.42	457.67	1744.60	9205.81	32.73
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.28	0.28	100.00
Daman & Diu	0.00	0.00	0.00	0.00	2.77	2.77	100.00
Goa	0.00	0.00	0.00	0.00	0.09	0.09	100.00
Western Region	31848.54	1989.59	1114.44	1344.80	4517.55	40814.92	17.09
Andhra Pradesh	3441.43	259.23	0.00	355.46	1711.18	5767.30	35.83
Telangana	3534.98	0.00	0.00	762.58	457.98	4755.54	25.67
Karnataka	318.92	0.00	680.39	1060.59	3173.38	5233.28	93.91
Kerala	0.00	0.00	0.00	561.84	127.32	689.16	100.00
Tamil Nadu	3451.64	178.68	975.51	694.30	3164.55	8464.68	57.11
Lakshadweep	0.00	0.00	0.00	0.00	0.04	0.04	100.00
Puducherry	0.00	18.35	0.00	0.00	0.37	18.72	1.98
Southern Region	10746.97	456.26	1655.90	3434.77	8634.81	24928.71	55.06
Andaman Nicobar	11.16	0.00	0.00	0.00	3.01	14.17	21.24
Bihar	2350.76	0.00	0.00	0.00	14.19	2364.95	0.60
Jharkhand	2454.62	0.00	0.00	65.37	0.96	2520.95	2.63
Orissa	4514.29	0.00	0.00	732.26	75.20	5321.75	15.17
Sikkim	0.00	0.00	0.00	1590.71	5.41	1596.12	100.00
West Bengal	5797.83	0.00	0.00	415.74	135.64	6349.21	8.68
DVC	0.00	0.00	0.00	0.00	1.05	1.05	0.00
Eastern Region	15128.66	0.00	0.00	2804.08	235.44	18168.18	16.73
Arunachal Pradesh	0.00	0.00	0.00	471.84	0.14	471.98	100.00
Assam	201.29	165.30	0.00	35.57	5.18	407.34	10.01
Manipur	0.00	0.00	0.00	78.63	0.48	79.11	100.00

Meghalaya	0.00	0.00	0.00	154.29	3.03	157.32	100.00
Mizoram	0.00	0.00	0.00	14.26	3.74	18.00	100.00
Nagaland	0.00	0.00	0.00	36.93	7.86	44.79	100.00
Tripura	0.00	595.17	0.00	0.00	0.50	595.67	0.08
North Eastern Region	201.29	760.47	0.00	791.52	20.93	1774.21	45.79
All India Total	74698.22	4335.48	3590.73	18949.94	15765.90	117340.27	32.65

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 September,2020							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	0.28	0.28	100.00
Delhi	0.00	414.83	0.00	0.00	41.97	456.80	9.19
Haryana	354.76	101.19	0.00	0.00	46.52	502.47	9.26
HP	0.00	0.00	0.00	5899.80	284.83	6184.63	4.61
J & K	0.00	0.00	0.00	2082.88	46.97	2129.85	2.21
Ladakh	0.00	0.00	0.00	58.20	0.00	58.20	0.00
Punjab	2615.90	0.00	0.00	505.06	252.91	3373.87	7.50
Rajasthan	3222.85	335.09	518.98	33.27	1420.37	5530.56	25.68
Uttar Pradesh	10579.25	278.05	301.41	194.97	153.47	11507.15	1.33
Uttarakhand	0.00	0.00	0.00	1800.59	109.85	1910.44	5.75
Northern Region	16772.76	1129.16	820.39	10574.77	2357.17	31654.25	7.45
Chhattisgarh	11197.40	0.00	0.00	87.74	58.80	11343.94	0.52
Gujarat	4848.61	1515.19	304.02	299.46	1911.44	8878.72	21.53
Madhya Pradesh	10083.81	0.00	0.00	499.93	799.55	11383.29	7.02
Maharashtra	5718.72	474.40	810.42	457.67	1744.60	9205.81	18.95
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.28	0.28	100.00
Daman & Diu	0.00	0.00	0.00	0.00	2.77	2.77	100.00
Goa	0.00	0.00	0.00	0.00	0.09	0.09	100.00
Western Region	31848.54	1989.59	1114.44	1344.80	4517.55	40814.92	11.07
Andhra Pradesh	3441.43	259.23	0.00	355.46	1711.18	5767.30	29.67
Telangana	3534.98	0.00	0.00	762.58	457.98	4755.54	9.63
Karnataka	318.92	0.00	680.39	1060.59	3173.38	5233.28	60.64
Kerala	0.00	0.00	0.00	561.84	127.32	689.16	18.47
Tamil Nadu	3451.64	178.68	975.51	694.30	3164.55	8464.68	37.39
Lakshadweep	0.00	0.00	0.00	0.00	0.04	0.04	100.00
Puducherry	0.00	18.35	0.00	0.00	0.37	18.72	1.98
Southern Region	10746.97	456.26	1655.90	3434.77	8634.81	24928.71	34.64
Andaman Nicobar	11.16	0.00	0.00	0.00	3.01	14.17	21.24
Bihar	2350.76	0.00	0.00	0.00	14.19	2364.95	0.60
Jharkhand	2454.62	0.00	0.00	65.37	0.96	2520.95	0.04
Orissa	4514.29	0.00	0.00	732.26	75.20	5321.75	1.41
Sikkim	0.00	0.00	0.00	1590.71	5.41	1596.12	0.34
West Bengal	5797.83	0.00	0.00	415.74	135.64	6349.21	2.14
DVC	0.00	0.00	0.00	0.00	1.05	1.05	100.00
Eastern Region	15128.66	0.00	0.00	2804.08	235.44	18168.18	1.30
Arunachal Pradesh	0.00	0.00	0.00	471.84	0.14	471.98	0.03
Assam	201.29	165.30	0.00	35.57	5.18	407.34	1.27

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Manipur	0.00	0.00	0.00	78.63	0.48	79.11	0.61
Meghalaya	0.00	0.00	0.00	154.29	3.03	157.32	1.93
Mizoram	0.00	0.00	0.00	14.26	3.74	18.00	20.77
Nagaland	0.00	0.00	0.00	36.93	7.86	44.79	17.55
Tripura	0.00	595.17	0.00	0.00	0.50	595.67	0.08
North Eastern Region	201.29	760.47	0.00	791.52	20.93	1774.21	1.18
All India Total	74698.22	4335.48	3590.73	18949.94	15765.90	117340.27	13.44

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

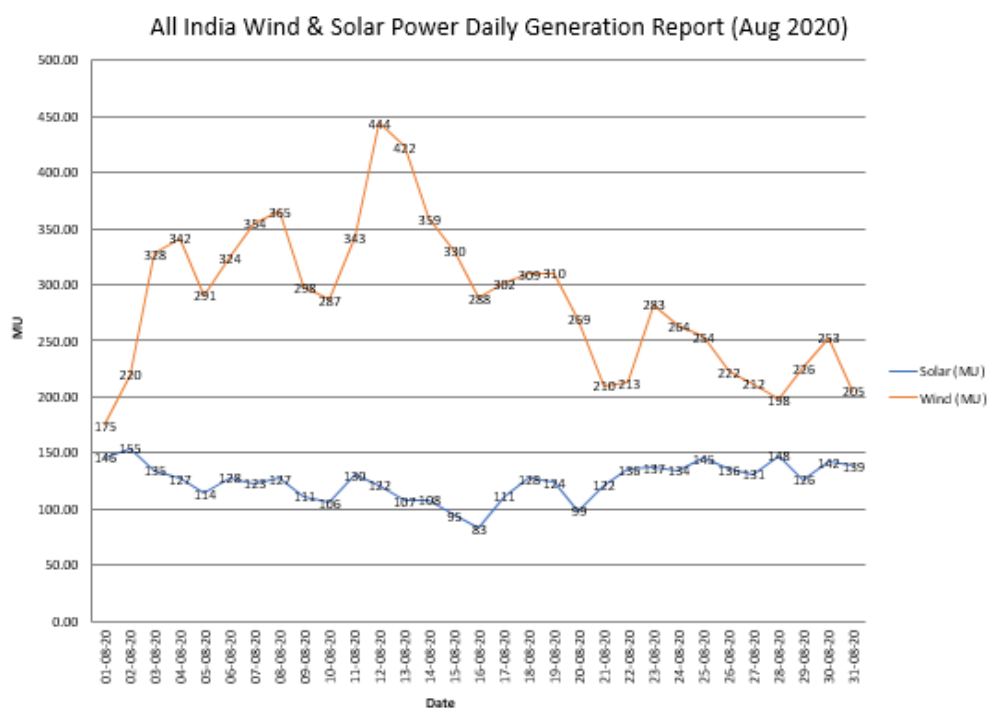


Figure 19 Daily Solar and wind Power Generation trend



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