



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



नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division





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SUMMARY OF REPORT FOR THE MONTH OF FEBRUARY 2020

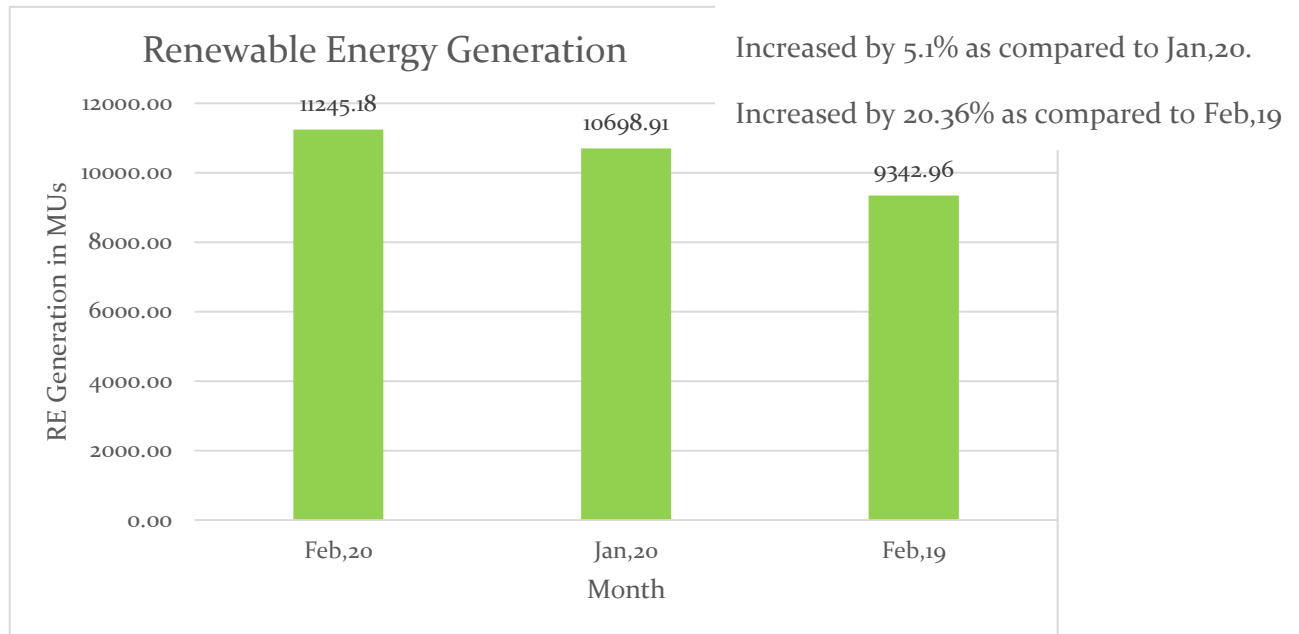


Figure 1 Renewable Energy Generation

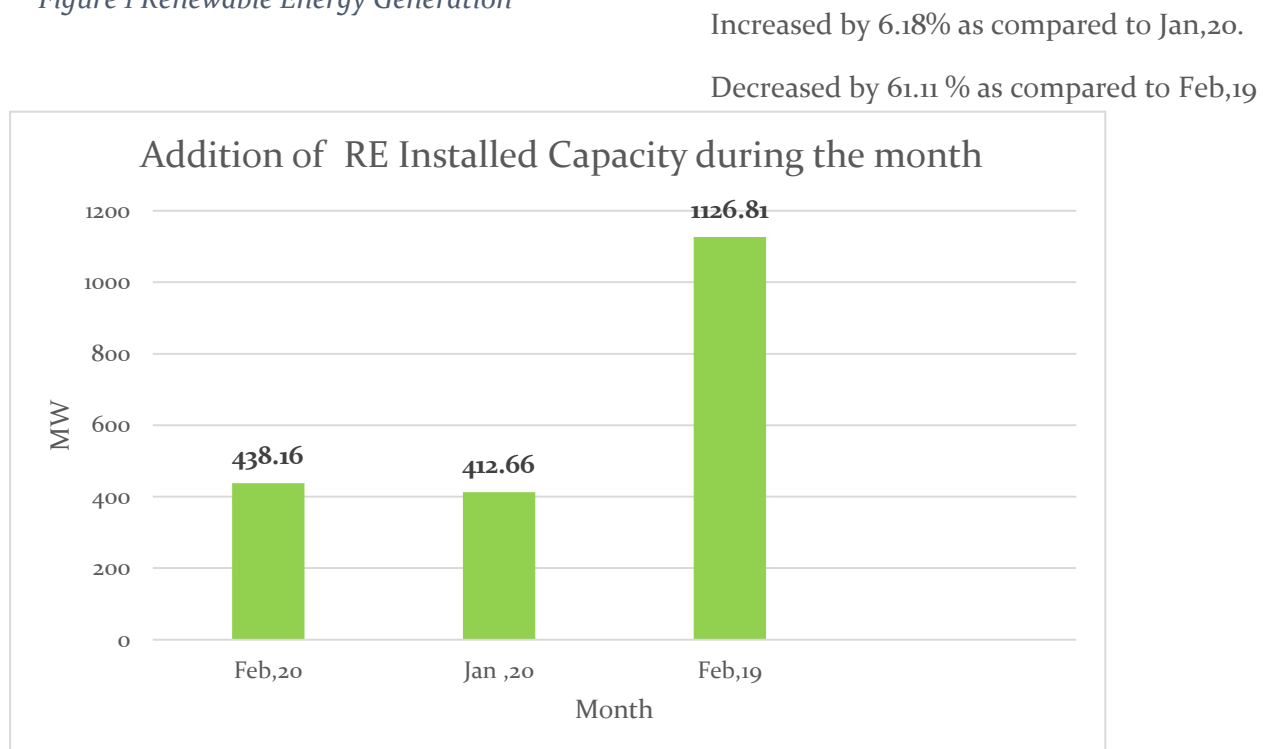


Figure 2 RE capacity added during the Month

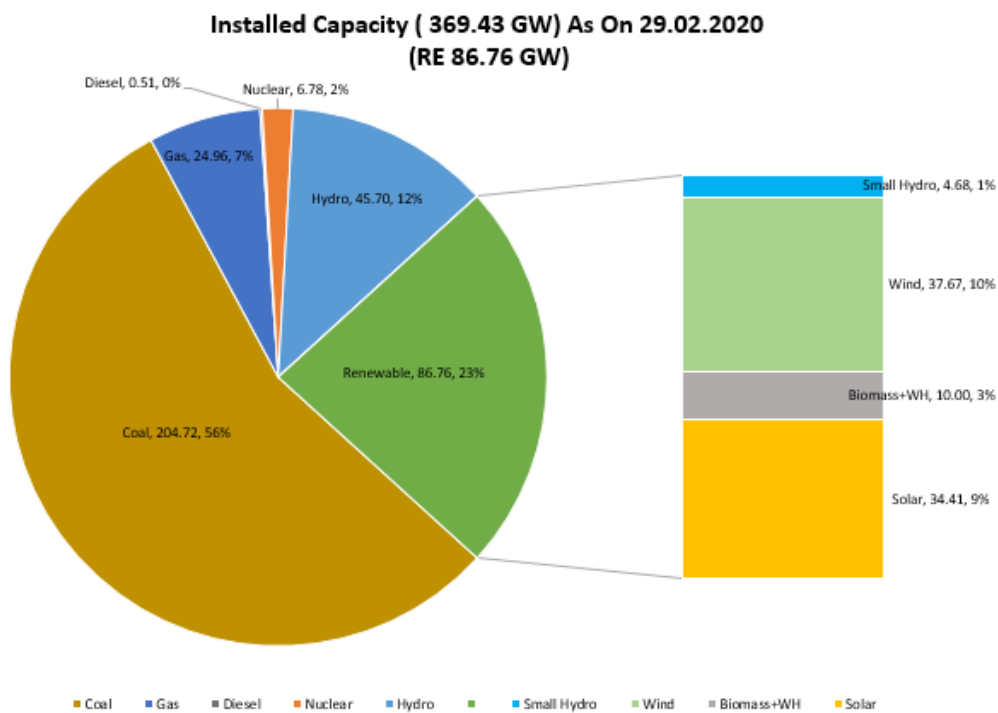


Figure 3 Installed Capacity in India as on 29.02.2020

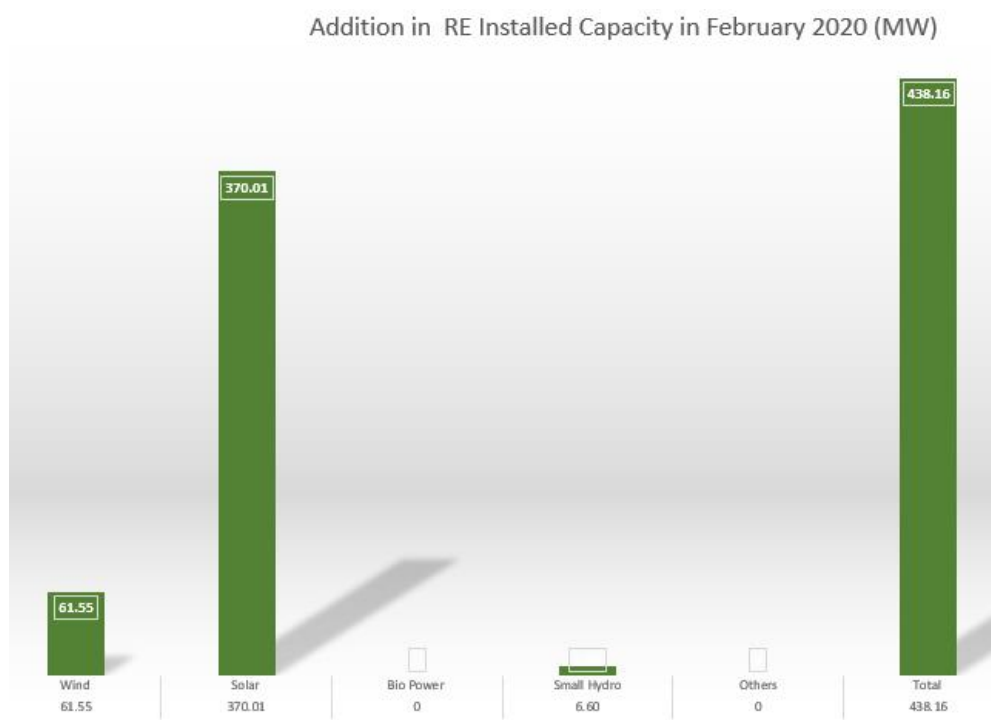


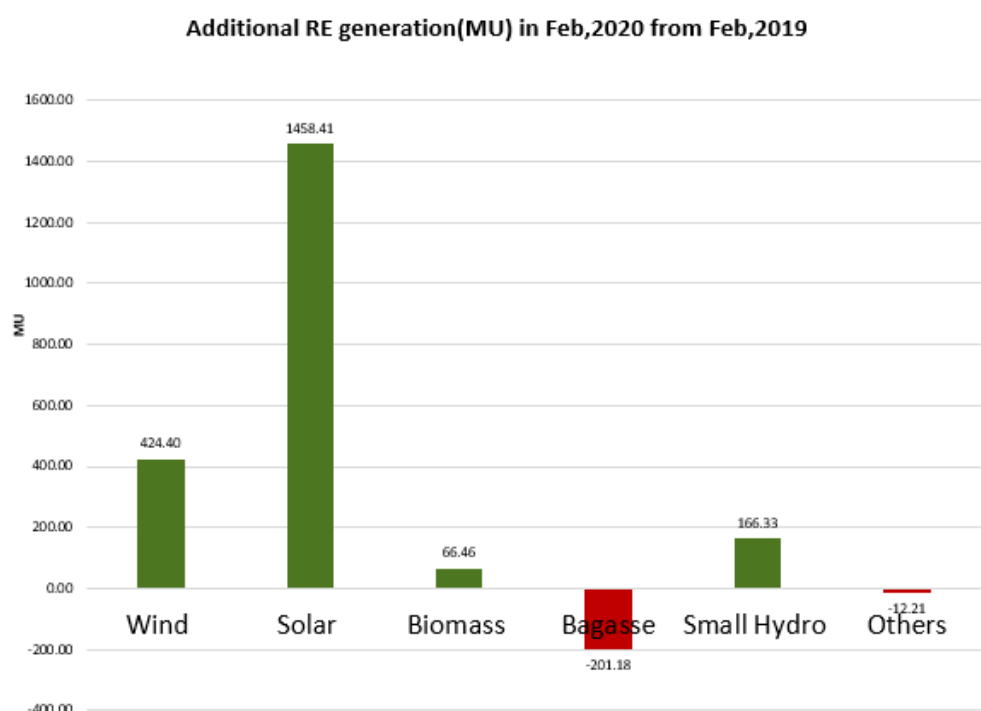
Figure 4: Addition in RE Installed Capacity

HIGHLIGHTS OF RE GENERATION DURING FEBRUARY, 2020

1. RE generation grew by 20.36 in February, 2020 as compared to February, 2019.
2. Wind Power generation during the month of February, 2020 increased in Rajasthan, Gujarat, Maharashtra and Tamil Nadu and decreased in Andhra Pradesh, Karnataka and Madhya Pradesh as compared to February, 2019.
3. Daily wind generation increased by 13.30 % as compared to January, 2020 and increase by 13.71 % as compared to February, 2019.
4. Solar Power generation during the month of February 2020 increased in Punjab, Rajasthan, Gujarat, Karnataka, Andhra Pradesh and Tamil Nadu and decreased in Telangana and Madhya Pradesh as compared to February, 2019.
5. Daily solar generation increased by 17.93% as compared to January 2020 and increased by 40.17 % as compared to February 2019.
6. Generation from Bagasse is not at the past year levels and still lower than February, 2019 in Uttar Pradesh, Maharashtra and Telangana and increase in West Bengal as compared to February 2019.
7. Daily report of CEA is now capturing 94.34 % of wind and 90.65% of solar energy.
8. RE to Transport report giving details of energy schedule to Delhi Metro through Delhi Discom is included.

Category	Feb -20				April 2019-February, 2020		
	Installed Capacity (MW)	Actual(MU)	Actual (MU)	% Of Last Year (2/3)	Actual (MU)	Actual(MU)	% Of Last Year (5/6)
			Same Month			Same Period	
			2018-19			2018-19	
	1	2	3	4	5	6	7
Wind	37669.25	3518.87	3094.47	113.71	61240.75	59070.44	103.67
Solar	34405.64	5088.89	3630.48	140.17	44496.03	34960.21	127.28
Biomass	9861.31	308.18	241.71	127.50	2655.23	2508.50	105.85
Bagasse		1743.61	1944.78	89.66	9484.76	11747.81	80.74
Small Hydro	4683.16	556.96	390.63	142.58	8812.12	8229.69	107.08
Others	139.8	28.68	40.88	70.14	328.94	394.58	83.36
Total	86759.16	11245.18	9342.96	120.36	127017.83	116911.24	108.64

Table 1 All India Summary of Renewable Energy Generation



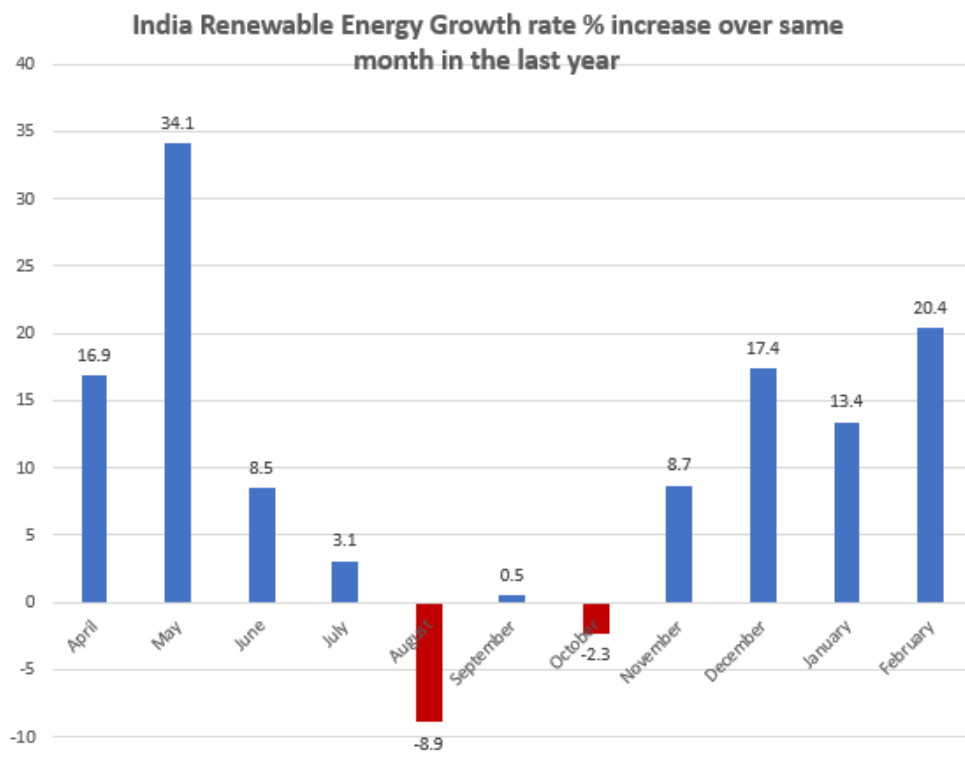


Figure 5 Month Wise Growth of RE Generation

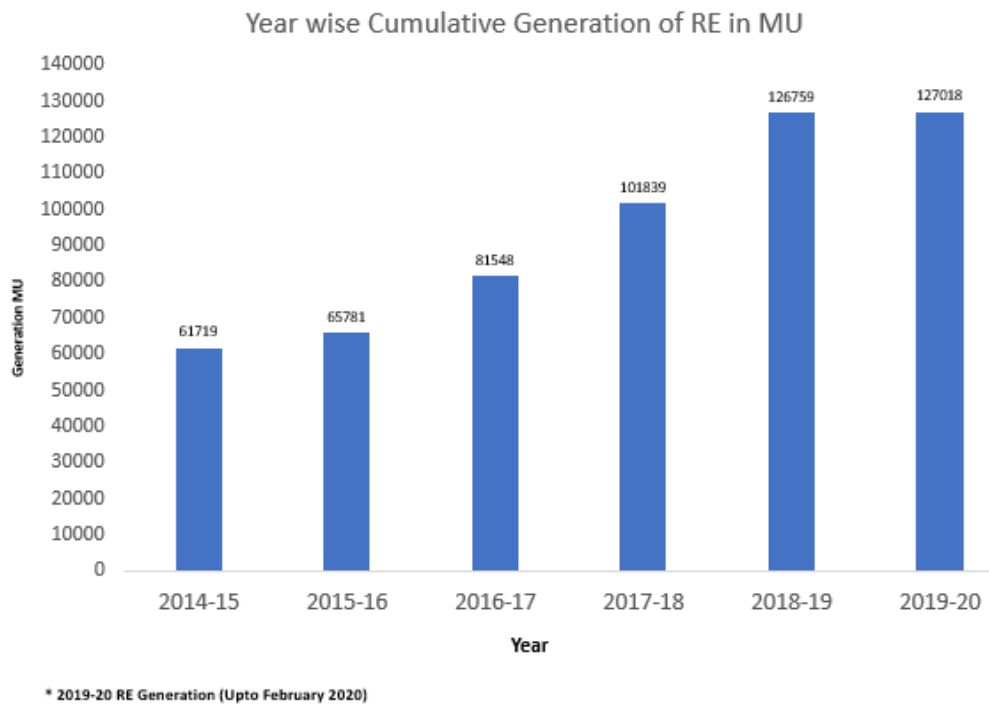


Figure 6 Year Wise RE Generation

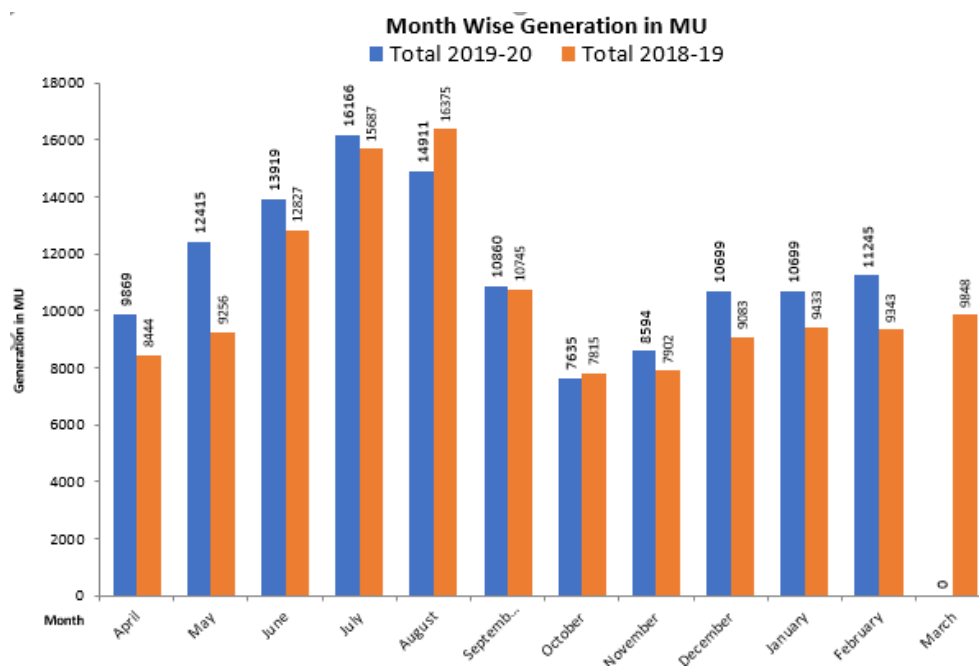


Figure 7 Month Wise RE Generation

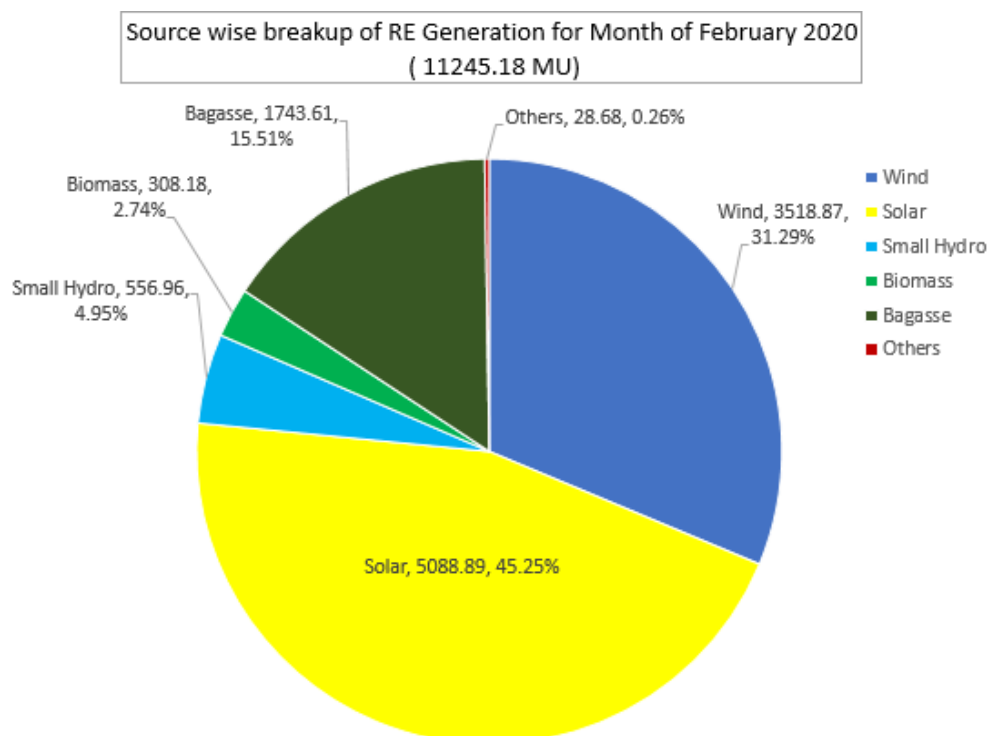
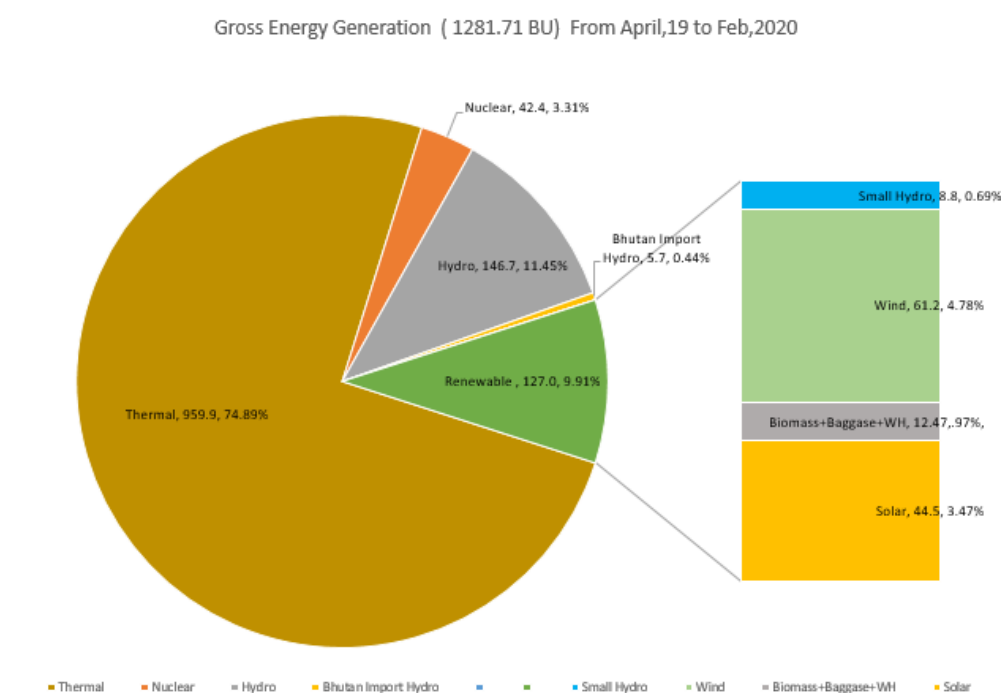


Figure 8 Source wise breakup of RE Generation



RE Generation data based on the Monthly report published for February 2020 .

Figure 10 Gross Energy Generation In India and RE Share

Table 2 State Wise Renewable Energy Generation

Renewable Energy Generation (State Wise) for the month of February ,2020				
State/UT	Actual Generation (MU)		Cumulative Generation (MU)	
	Feb,2020	Feb,2019	April 2019 - Feb, 2020	April 2018 -Feb, 2019
Chandigarh	1.56	1.46	11.78	13.25
Delhi #	26.72	21.10	389.34	264.09
Haryana *	73.94	59.21	680.39	592.07
HP	83.51	62.21	1990.55	2199.98
J & K	16.98	14.29	406.77	291.13
Ladakh	0.00	0.00	0.00	0.00
Punjab	279.49	195.12	2512.32	2167.21
Rajasthan	1270.41	912.52	12955.32	10889.47
Uttar Pradesh	733.15	719.28	4436.35	4893.24
Uttarakhand	84.17	79.07	1078.14	994.67
Northern Region	2569.92	2064.27	24460.95	22305.11
Chhattisgarh	117.28	67.11	997.42	871.09
Gujarat	1358.51	1003.09	16209.34	12855.61
Madhya Pradesh	677.48	633.52	7522.56	7559.42
Maharashtra	1120.98	1245.48	12864.64	13749.95
Dadra and Nagar Haveli	0.58	0.59	5.51	5.04
Daman & Diu	2.11	1.84	19.72	16.70
Goa	0.12	0.00	0.66	0.00
Western Region	3277.05	2951.65	37619.85	35057.81
Andhra Pradesh	1007.89	959.75	12898.08	13483.88
Telangana	631.26	648.95	6100.02	6338.81
Karnataka	2239.75	1777.26	23622.72	20144.31
Kerala	46.51	46.58	747.52	711.15
Tamil Nadu	1224.65	753.87	18828.24	16222.55
Lakshadweep	0.06	0.00	0.59	1.02
Puducherry *	0.37	0.23	3.77	2.35
Southern Region	5150.48	4186.66	62200.95	56904.08

Renewable Energy Generation (State Wise) for the month of February ,2020				
State/UT	Actual Generation (MU)		Cumulative Generation (MU)	
	Feb,2020	Feb,2019	April 2019 - Feb, 2020	April 2018 -Feb, 2019
Andaman Nicobar	1.16	2.71	16.14	27.30
Bihar *	45.56	55.93	309.01	359.02
Jharkhand *	1.16	1.58	14.69	17.07
Orissa	54.85	54.73	717.90	594.36
Sikkim *	6.92	1.01	64.80	27.05
West Bengal	121.40	7.78	1344.01	1347.59
DVC	2.58	0.01	4.18	2.62
Eastern Region	233.64	123.75	2470.74	2375.01
Arunachal Pradesh	0.22	0.15	2.02	1.61
Assam	2.18	1.21	56.44	19.48
Manipur	0.32	0.66	3.89	1.71
Meghalaya	2.70	3.56	58.71	47.54
Mizoram	2.47	3.95	46.22	35.79
Nagaland	3.48	2.43	73.11	84.51
Tripura *	2.73	4.65	24.96	78.59
North Eastern Region	14.10	16.62	265.35	269.23
All India Total	11245.18	9342.96	127017.83	116911.24
1) Data as received from SLDC of the respective states or from the electricity department				
2) Figure given above indicate gross generation of all power stations (Central , State & Private Sector) located geographically in the respective State/UT.				
* Data has been taken provisionally as of RE generation report of January 2020.				
# Solar power generation as of RE generation report of January 2020.				

Table 3 State Wise wind Power Generation

State Wise -Source Wise RE Generation_ Wind _February, 2020		
	Wind Energy generation (MU)	
State/UT	Feb'20	Feb'19
Chandigarh	0.00	0.00
Delhi #	0.00	0.00
Haryana *	0.00	0.00
HP	0.00	0.00
J & K	0.00	0.00
Ladakh	0.00	0.00
Punjab	0.00	0.00
Rajasthan	398.82	385.01
Uttar Pradesh	0.00	0.00
Uttarakhand	0.00	0.00
Northern Region	398.82	385.01
Chhattisgarh	0.00	0.00
Gujarat	959.47	752.51
Madhya Pradesh	264.81	299.97
Maharashtra	292.79	260.66
Dadra and Nagar Haveli	0.00	0.00
Daman & Diu	0.00	0.00
Goa	0.00	0.00
Western Region	1517.07	1313.14
Andhra Pradesh	367.73	478.49
Telangana	20.25	19.71
Karnataka	524.71	543.97
Kerala	8.16	5.70
Tamil Nadu	682.14	336.20
Lakshadweep	0.00	0.00
Puducherry *	0.00	0.00
Southern Region	1602.99	1384.07
Andaman Nicobar	0.00	0.00
Bihar *	0.00	0.00

State Wise -Source Wise RE Generation_ Wind _February, 2020		
Jharkhand *	0.00	0.00
Orissa	0.00	12.25
Sikkim *	0.00	0.00
West Bengal	0.00	0.00
DVC	0.00	0.00
Eastern Region	0.00	12.25
Arunachal Pradesh	0.00	0.00
Assam	0.00	0.00
Manipur	0.00	0.00
Meghalaya	0.00	0.00
Mizoram	0.00	0.00
Nagaland	0.00	0.00
Tripura *	0.00	0.00
North Eastern Region	0.00	0.00
All India Total	3518.87	3094.47
1) Data as received from SLDC of the respective states or from the electricity department		
2) Figure given above indicate gross generation of all power stations (Central , State & Private Sector) located geographically in the respective State/UT.		

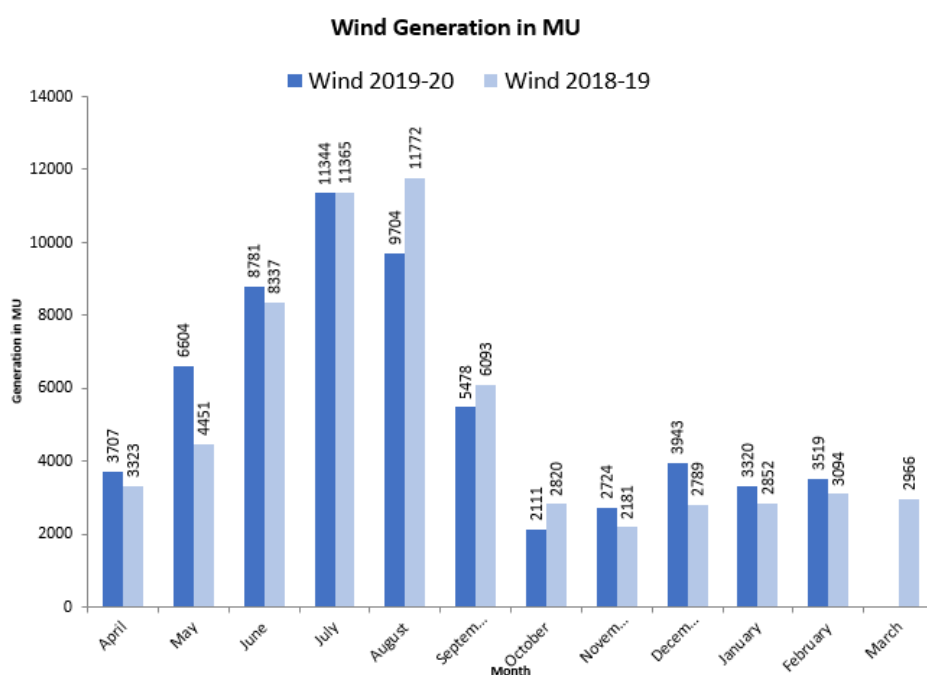


Figure 11 Month Wise Wind Power Generation

Table 4 State Wise Solar Power Generation

State wise_Source Wise RE Generation_Solar_February, 2020		
	Solar Power Generation (MU)	
State/UT	Feb'20	Feb'19
Chandigarh	1.56	1.46
Delhi #	7.09	0.40
Haryana *	15.85	5.09
HP	1.98	0.00
J & K	0.00	0.00
Ladakh	0.00	0.00
Punjab	114.06	104.34
Rajasthan	839.22	493.06
Uttar Pradesh	152.90	103.44
Uttarakhand	18.94	20.30
Northern Region	1153.76	728.09
Chhattisgarh	29.42	31.17
Gujarat	366.42	236.82
Madhya Pradesh	362.42	289.41
Maharashtra	218.02	205.27
Dadra and Nagar Haveli	0.58	0.59
Daman & Diu	2.11	1.84
Goa	0.12	0.00
Western Region	979.09	765.11

Andhra Pradesh	579.23	431.49
Telangana	570.24	575.61
Karnataka	1259.99	745.46
Kerala	14.04	11.40
Tamil Nadu	482.24	322.43
Lakshadweep	0.06	0.00
Puducherry *	0.37	0.23
Southern Region	2906.16	2086.62
Andaman Nicobar	0.86	1.72
Bihar *	10.79	16.29
Jharkhand *	1.16	1.58
Orissa	30.32	23.81
Sikkim *	0.00	0.00
West Bengal	5.71	5.34
DVC	0.005	0.01
Eastern Region	48.85	48.74
Arunachal Pradesh	0.17	0.10
Assam	0.50	0.51
Manipur	0.32	0.66
Meghalaya	0.00	0.00
Mizoram	0.03	0.04
Nagaland	0.00	0.00
Tripura *	0.01	0.60
North Eastern Region	1.03	1.91
All India Total	5088.89	3630.48

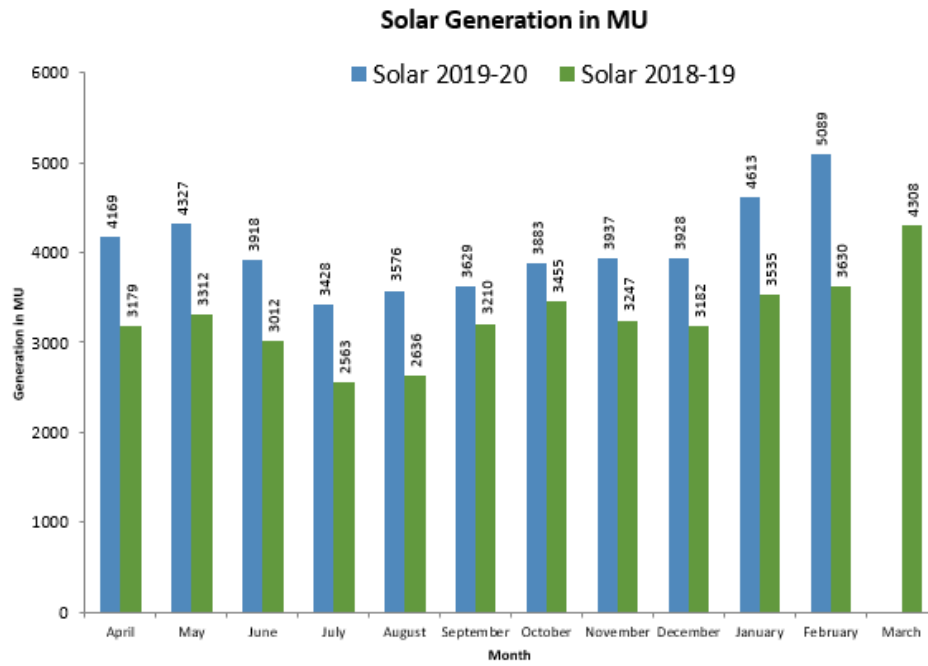


Figure 12 Month wise Solar Power Generation

Table 5 State Wise Biomass Power Generation

State Wise_Source Wise RE Generation_Biomass_February, 2020		
	Biomass Power Generation (MU)	
State/UT	Feb'20	Feb'19
Chandigarh	0.00	0.00
Delhi #	0.00	0.00
Haryana *	15.65	14.34
HP	0.00	0.00
J & K	0.00	0.00
Ladakh	0.00	0.00
Punjab	51.20	30.58
Rajasthan	31.48	32.41
Uttar Pradesh	22.18	10.15
Uttarakhand	0.00	0.00
Northern Region	116.50	87.48
Chhattisgarh	81.45	33.71
Gujarat	11.61	7.81
Madhya Pradesh	0.16	0.19
Maharashtra	36.77	42.12
Dadra and Nagar Haveli	0.00	0.00
Daman & Diu	0.00	0.00
Goa	0.00	0.00
Western Region	129.98	83.83
Andhra Pradesh	14.58	16.14
Telangana	13.83	13.76
Karnataka	12.11	15.27
Kerala	0.00	0.00
Tamil Nadu	11.19	15.58
Lakshadweep	0.00	0.00
Puducherry *	0.00	0.00
Southern Region	51.71	60.75
Andaman Nicobar	0.00	0.00
Bihar *	2.09	2.28
Jharkhand *	0.00	0.00
Orissa	7.90	7.37
Sikkim *	0.00	0.00
West Bengal	0.00	0.00
DVC	0.00	0.00

Eastern Region	9.99	9.66
Arunachal Pradesh	0.00	0.00
Assam	0.00	0.00
Manipur	0.00	0.00
Meghalaya	0.00	0.00
Mizoram	0.00	0.00
Nagaland	0.00	0.00
Tripura *	0.00	0.00
North Eastern Region	0.00	0.00
All India Total	308.18	241.71

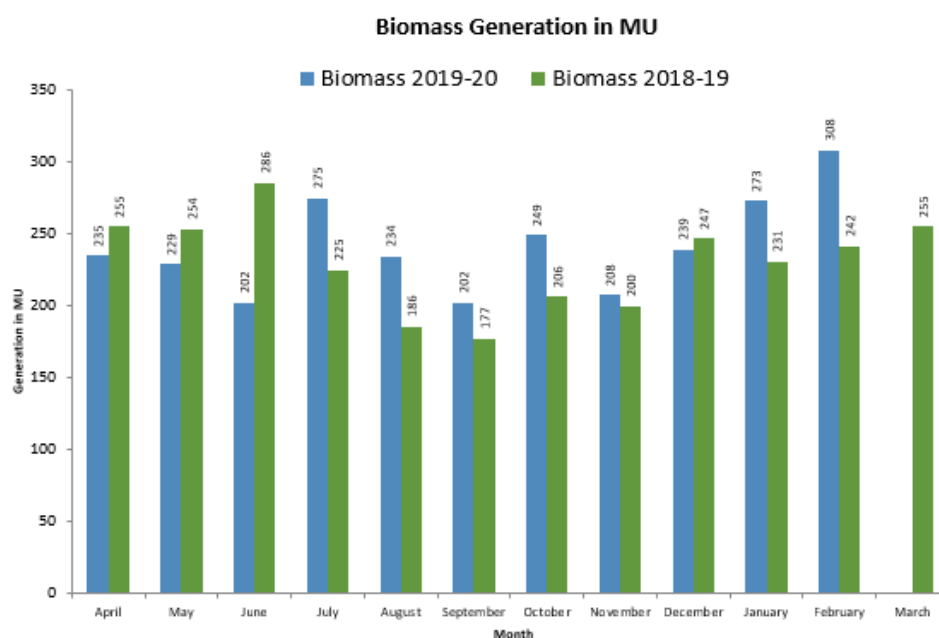


Figure 13 Month Wise Biomass Power Generation

Table 6 State Wise bagasse Power Generation

SOURCE WISE _BAGASSE _RE GENERATION _FEBRUARY ,2020		
	BAGASSE POWER GENERATION(MUS)	
STATE/UT	FEB'20	FEB'19
CHANDIGARH	0.00	0.00
DELHI #	0.00	0.00
HARYANA *	14.83	18.37
HP	0.00	0.00
J & K	0.00	0.00
LADAKH	0.00	0.00
PUNJAB	45.28	41.17
RAJASTHAN	0.00	0.00
UTTAR PRADESH	552.98	603.58
UTTARAKHAND	23.65	22.48
NORTHERN REGION	645.20	685.59
CHHATTISGARH	0.00	0.00
GUJARAT	3.62	0.00
MADHYA PRADESH	22.27	21.16
MAHARASHTRA	492.52	678.87
DADRA AND NAGAR HAVELI	0.00	0.00
DAMAN & DIU	0.00	0.00
GOA	0.00	0.00
WESTERN REGION	518.41	700.03
ANDHRA PRADESH	7.73	19.17
TELANGANA	20.34	29.60
KARNATAKA	375.42	431.00
KERALA	0.00	0.00
TAMIL NADU	31.30	44.02
LAKSHADWEEP	0.00	0.00
PUDUCHERRY *	0.00	0.00
SOUTHERN REGION	434.79	523.79
ANDAMAN NICOBAR	0.00	0.00
BIHAR *	31.99	35.37
JHARKHAND *	0.00	0.00
ORISSA	0.00	0.00
SIKKIM *	113.21	0.00

WEST BENGAL	0.00	0.00
DVC	145.20	35.37
EASTERN REGION	0.00	0.00
ARUNACHAL PRADESH	0.00	0.00
ASSAM	0.00	0.00
MANIPUR	0.00	0.00
MEGHALAYA	0.00	0.00
MIZORAM	0.00	0.00
NAGALAND	0.00	0.00
TRIPURA *	0.00	0.00
NORTH EASTERN REGION	0.00	0.00
ALL INDIA TOTAL	1743.61	1944.78

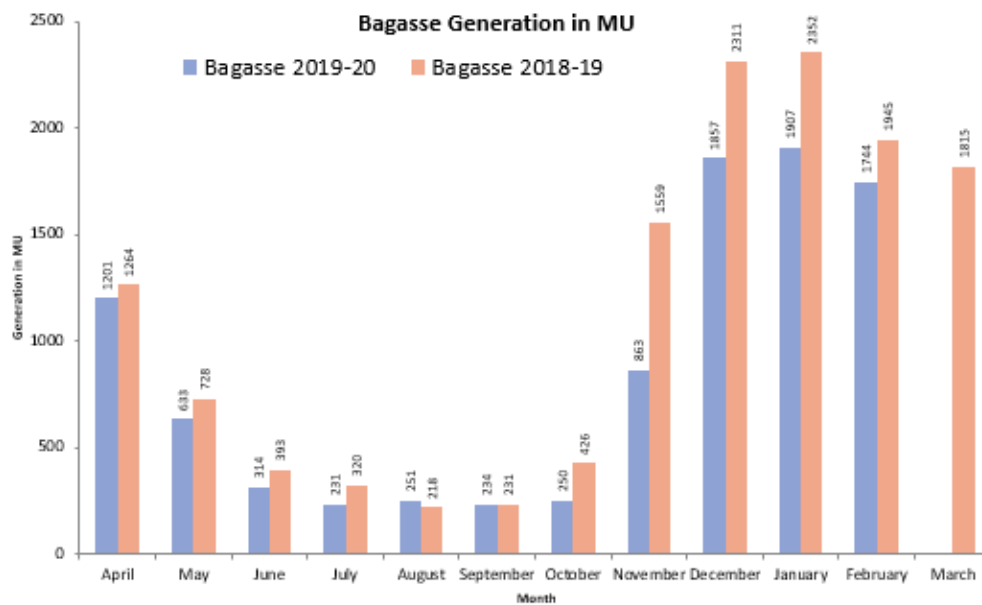


Figure 14 Month wise bagasse Power Generation

Table 7 State Wise Small Hydro Generation

STATE WISE_SOURCE WISE RE GENERATION_SMALL HYDRO_FEBRUARY, 2020		
	Small Hydro Power Generation (MU)	
STATE/UT	FEB'20	FEB'19
CHANDIGARH	0.00	0.00
DELHI #	0.00	0.00
HARYANA *	25.04	21.41
HP	81.53	62.21
J & K	16.98	14.29
LADAKH	0.00	0.00
PUNJAB	68.89	19.03
RAJASTHAN	0.90	2.05
UTTAR PRADESH	5.08	2.12
UTTARAKHAND	41.58	36.29
NORTHERN REGION	235.96	157.41
CHHATTISGARH	6.41	2.24
GUJARAT	17.40	5.95
MADHYA PRADESH	23.53	11.30
MAHARASHTRA	80.85	58.46
DADRA AND NAGAR HAVELI	0.00	0.00
DAMAN & DIU	0.00	0.00
GOA	0.00	0.00
WESTERN REGION	128.18	77.94
ANDHRA PRADESH	37.98	13.77
TELANGANA	2.57	2.40
KARNATAKA	67.52	41.56
KERALA	24.31	29.48
TAMIL NADU	17.78	35.64
LAKSHADWEEP	0.00	0.00
PUDUCHERRY *	0.00	0.00
SOUTHERN REGION	150.16	122.84
ANDAMAN NICOBAR	0.29	0.99
BIHAR *	0.69	1.99
JHARKHAND *	0.00	0.00
ORISSA	16.64	11.29
SIKKIM *	6.92	1.01
WEST BENGAL	2.48	2.45
DVC	2.58	0.00

EASTERN REGION	29.60	17.73
ARUNACHAL PRADESH	0.05	0.05
ASSAM	1.68	0.70
MANIPUR	0.00	0.00
MEGHALAYA	2.70	3.56
MIZORAM	2.44	3.92
NAGALAND	3.48	2.43
TRIPURA *	2.72	4.05
NORTH EASTERN REGION	13.06	14.71
ALL INDIA TOTAL	556.96	390.63

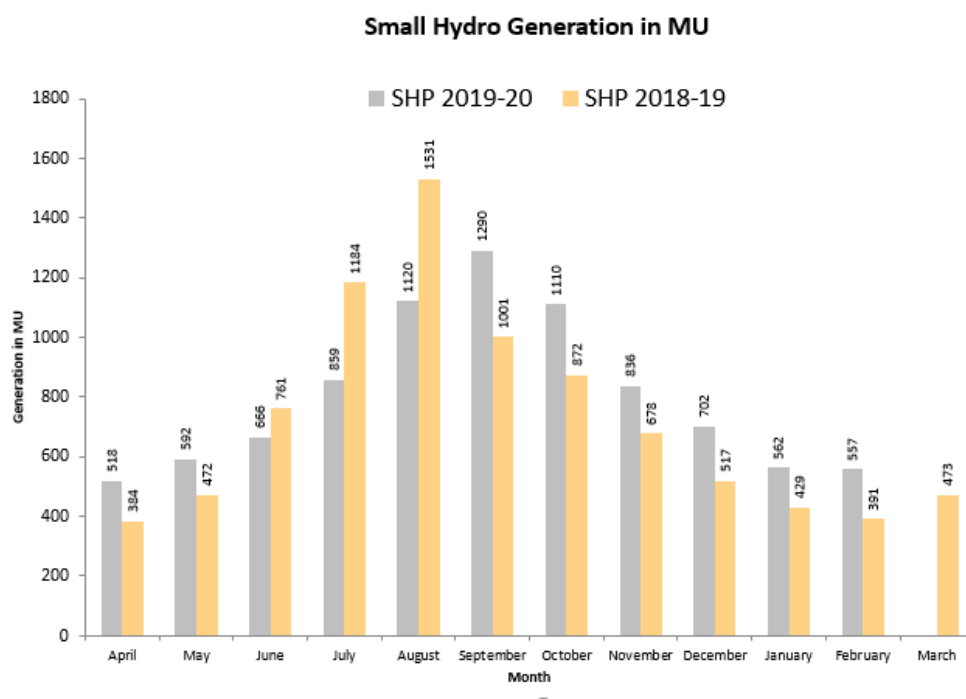


Figure 15 Month wise Small Hydro Power Generation

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

STATE WISE_SOURCE WISE RE GENERATION_OTHER (WASTE HEAT ETC.) FEBRUARY,2020		
	WASTE POWER GENERATION(MUS)	
STATE/UT	FEB'20	FEB'19
CHANDIGARH	0.00	0.00
DELHI #	19.63	20.69
HARYANA *	0.00	0.00
HP	0.00	0.00
J & K	0.00	0.00
LADAKH	0.00	0.00
PUNJAB	0.05	0.00
RAJASTHAN	0.00	0.00
UTTAR PRADESH	0.00	0.00
UTTARAKHAND	0.00	0.00
NORTHERN REGION	19.68	20.69
CHHATTISGARH	0.00	0.00
GUJARAT	0.00	0.00
MADHYA PRADESH	4.29	11.50
MAHARASHTRA	0.03	0.10
DADRA AND NAGAR HAVELI	0.00	0.00
DAMAN & DIU	0.00	0.00
GOA	0.00	0.00
WESTERN REGION	4.32	11.60
ANDHRA PRADESH	0.64	0.70
TELANGANA	4.04	7.88
KARNATAKA	0.00	0.00
KERALA	0.00	0.00
TAMIL NADU	0.00	0.00
LAKSHADWEEP	0.00	0.00
PUDUCHERRY *	0.00	0.00
SOUTHERN REGION	4.67	8.59
ANDAMAN NICOBAR	0.00	0.00
BIHAR *	0.00	0.00
JHARKHAND *	0.00	0.00
ORISSA	0.00	0.00
SIKKIM *	0.00	0.00
WEST BENGAL	0.00	0.00
DVC	0.00	0.00

EASTERN REGION	0.00	0.00
ARUNACHAL PRADESH	0.00	0.00
ASSAM	0.00	0.00
MANIPUR	0.00	0.00
MEGHALAYA	0.00	0.00
MIZORAM	0.00	0.00
NAGALAND	0.00	0.00
TRIPURA *	0.00	0.00
NORTH EASTERN REGION	0.00	0.00
ALL INDIA TOTAL	28.68	40.88

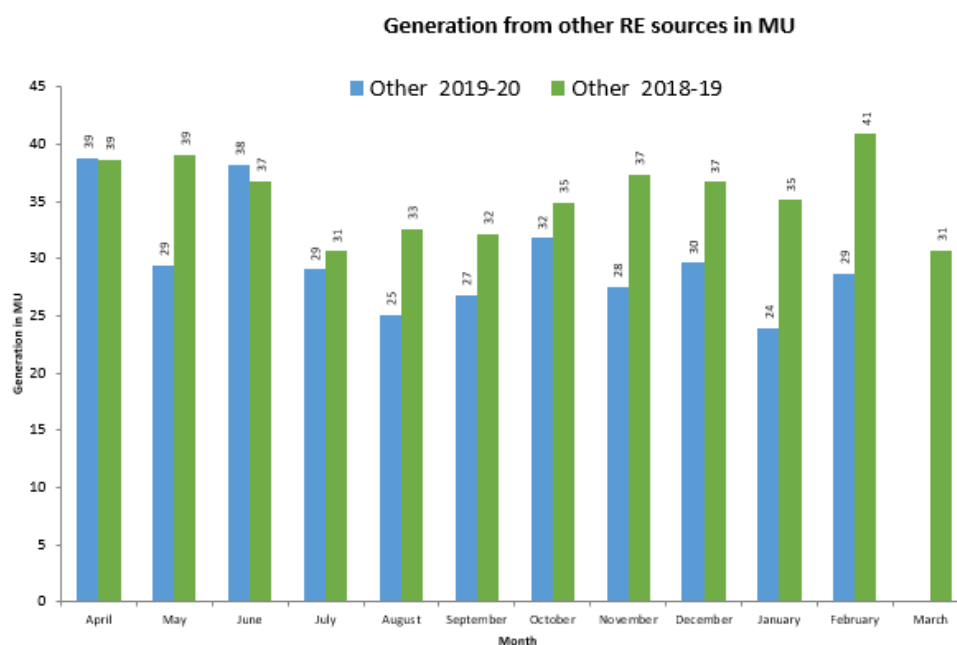


Figure 16 Month Other RE (Waste Heat etc) Power Generation

Table 9: Renewable Energy Generation by ISGS Stations

Monthly RE generation from Inter state Generating Station (ISGS) for February , 2020							
Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.41	11%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.58	14%
UNCHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	0.73	10%
MAHOBA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	37.06	25%
ACME CHITTORGARH ENERGY PVT LTD	Rajasthan	Private	IPP	Solar	250	34.41	19%
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	33.48	23%
AZURE POWER THIRTY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	130	24.32	25%
CLEAN SOLAR POWER (BHADLA) PVT LDT	Rajasthan	Private	IPP	Solar	300	29.79	13%
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	8.98	24%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	38.87	21%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	37.02	25%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	27.92	25%
Northern Region*					1760	274.57	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	38.95	21%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	35.44	19%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	37.29	20%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	49.38	27%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	54.51	29%

GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	53.71	24%
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	500	15.94	4%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	68.44	37%
Western Region					2300	353.66	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	47.44	26%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	36.85	25%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	27.70	20%
BEETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	50.2	7.04	19%
Southern Region					687.2	119.03	
Total					4747.2	747.26	

Table 10 Renewable Energy Generation by CPSU Owned stations

Renewable Energy Generation Data (CPSU Wise)					
CPSU	State	Installed Capacity (MW)	Source	Actual Generation (MU)	Cumulative Generation (MU)
				February, 2020	April 2019 to February, 2020
NTPC					
NTPC Faridabad_Solar	Haryana	5	Solar	0.53	5.83
NTPC Bhadla	Rajasthan	260	Solar	38.99	397.82
NTPC Dadri_Solar	Uttar Pradesh	5	Solar	0.58	5.68
NTPC Unchahar_Solar	Uttar Pradesh	10	Solar	1.29	12.71
NTPC Singrauli_Solar	Uttar Pradesh	15	Solar	1.81	18.35
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	1.82	10.42
NTPC Rojmal	Gujarat	50	Wind	6.07	97.64
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	1.29	61.66
NTPC Mandsaur	Madhya Pradesh	250	Solar	37.99	340.73
NTPC Anantapuram	Andhra Pradesh	250	Solar	38.71	360.11
NTPC Ramagundam	Telangana	10	Solar	1.22	12.72
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.44	4.29
NTPC Talchar_Solar	Orissa	10	Solar	1.22	12.40
Total NTPC		928		131.96	1340.35
THDC					
THDC Patan Wind Power Project	Gujarat	50	Wind	5.23	
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	13.37	
Total THDC		113		18.60	262.62
NHPC					
NHPC Wind Power Project	Rajasthan	50	Wind	4.07	29.93
NHPC Solar Power Project	Tamil Nadu	50	Solar	8.60	45.10
Total NHPC		100		12.67	75.025
ONGC					
ONGC Wind, Bhuj	Gujarat	51	Wind	NA	20.19

ONGC Wind, Jaisalmer	Rajasthan	102	Wind	8.18	115.47
ONGC Solar, Goa	Goa	1	Solar	0.12	1.05
ONGC Solar, Hazira	Gujarat	10	Solar	0.00	0.00
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.00	0.00
ONGC Solar, Rajahmundry	Andhra Pradesh	1	Solar	0.00	0.00
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.00	0.00
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.00	0.00
ONGC Solar, Uttarakhand (RTS)	Uttarakhand	1.236	Solar	0.00	0.00
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.00	0.00
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.00	0.00
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.015	Solar	0.00	0.00
ONGC Solar, DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00
Total ONGC		177.91		8.30	136.70
SJVN Limited					
Khirvire Wind Power	Maharashtra	47.6	Wind	1.28	50.81
Sadla Wind Power	Gujarat	50	Solar	2.37	67.21
Charanka Solar Power	Gujarat	5.6	Solar	0.71	5.05
Total SJVN		103.2		4.35	123.06
Oil India Ltd					
Oil India Ltd	Rajasthan	14	Solar	2.19	20.48
Oil India Ltd	Rajasthan	67.6	Wind	3.59	60.34
Oil India Ltd	Gujarat	43.3	Wind	6.67	95.81
Oil India Ltd	Madhya Pradesh	63.2	Wind	8.20	114.12
Total Oil India Ltd		188.1		20.66	290.75
NEEPCO	Tripura	5	Solar	0.52	9.40
All India		1615.21		197.03	2230.99
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.					

Table 11 Deviation Data for ISGS

Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of February, 2020			
Station	Schedule (MU)	Actual(MU)	Deviation (Actual-Schedule) in MU.
Northern Region			
ACME CHITTORGARH ENERGY PVT LTD	36.78	39.47	2.69
AZURE SOLAR	37.32	38.84	1.52
AZURE SOLAR THIRTY FOUR	25.92	27.48	1.56
CLEAN SOLAR POWER (Bhadla) Pvt Ltd.	44.68	48.64	3.96
DADRI SOLAR	0.59	0.58	-0.01
MAHOBBA SOLAR	40.63	42.02	1.38
RENEW Solar	10.28	10.47	0.19
RENEW SOLAR POWER LTD PVT BIKANER	46.90	48.42	1.52
SB ENERGY	41.48	42.41	0.93
SINGRAULI SOLAR	1.59	1.78	0.19
TATA POWER RENEWABLE	29.25	31.31	2.06
UNCHAHAAR SOLAR	1.50	1.27	-0.23
Western Region			
ACME Jaipur(RUMS)	43.60	38.95	-4.65
ARINSUN (RUMS)	42.58	35.44	-7.14
Mahindra Renewable (RUMS)	39.27	37.29	-1.98
Ostro -Kutch	54.20	68.44	14.24
Renew Power	44.22	49.38	5.16
Green Infra Wind Energy Limited SECI 2	50.65	54.51	3.86
Green Infra Wind Energy Limited SECI 3	49.26	53.71	4.45
Inox Wind	13.90	15.94	2.04
Southern Region			
GIREL	59.34	47.44	-11.90
MYTRAH	46.85	36.85	-10.00
ORANGE	35.99	27.70	-8.29
BEETAM	10.66	7.04	-3.62

+ve Deviation Means Actual generation is greater than Schedule Generation.

Table 12 Fossil and Non Fossil Generation

Fossil and Non Fossil (State Wise) Electricity Generation for the Month of February,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	1.56	1.56	100.00
Delhi	0.00	444.88	0.00	0.00	26.72	471.60	5.67
Haryana	1564.50	26.03	0.00	0.00	73.94	1664.47	4.44
HP	0.00	0.00	0.00	1415.45	83.51	1498.96	100.00
J & K	0.00	0.00	0.00	880.30	16.98	897.28	100.00
Ladakh	0.00	0.00	0.00	14.81	0.00	14.81	100.00
Punjab	951.07	0.00	0.00	391.44	279.49	1622.00	41.36
Rajasthan	4104.51	42.69	534.85	70.11	1270.41	6022.57	31.14
Uttar Pradesh	8611.88	235.42	309.49	127.41	733.15	10017.35	11.68
Uttarakhand	0.00	201.86	0.00	755.73	84.17	1041.76	80.62
Northern Region	15231.96	950.88	844.34	3655.25	2569.92	23252.35	30.40
Chhattisgarh	9930.17	0.00	0.00	14.16	117.28	10061.61	1.31
Gujarat	7340.69	955.81	305.31	528.25	1358.51	10488.57	20.90
Madhya Pradesh	10837.21	0.00	0.00	408.62	677.48	11923.31	9.11
Maharashtra	9794.47	617.68	805.53	394.20	1120.98	12732.86	18.23
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.58	0.58	100.00
Daman & Diu	0.00	0.00	0.00	0.00	2.11	2.11	100.00
Goa	0.00	0.00	0.00	0.00	0.12	0.12	100.00
Western Region	37902.54	1573.49	1110.84	1345.23	3277.05	45209.15	12.68
Andhra Pradesh	4801.86	278.22	0.00	293.97	1007.89	6381.94	20.40
Telangana	3875.72	0.00	0.00	190.10	631.26	4697.08	17.49
Karnataka	2668.13	0.00	527.30	1304.66	2239.75	6739.84	60.41
Kerala	0.00	0.00	0.00	384.35	46.51	430.86	100.00
Tamil Nadu	5884.78	271.26	690.42	291.15	1224.65	8362.26	26.38
Lakshadweep	0.00	0.00	0.00	0.00	0.06	0.06	100.00
Puducherry	0.00	21.17	0.00	0.00	0.37	21.54	1.72
Southern Region	17230.49	570.65	1217.72	2464.23	5150.48	26633.57	33.16
Andaman Nicobar	10.44	0.00	0.00	0.00	1.16	11.60	9.98
Bihar	2895.14	0.00	0.00	0.00	45.56	2940.70	1.55

Jharkhand	2166.40	0.00	0.00	7.36	1.16	2174.92	0.39
Orissa	3985.97	0.00	0.00	453.28	54.85	4494.10	11.31
Sikkim	0.00	0.00	0.00	250.03	6.92	256.95	100.00
West Bengal	5875.93	0.00	0.00	118.83	121.40	6116.16	3.93
DVC	0.00	0.00	0.00	0.00	2.58	2.58	100.00
Eastern Region	14933.88	0.00	0.00	829.50	233.64	15997.02	6.65
Arunachal Pradesh	0.00	0.00	0.00	70.36	0.22	70.58	100.00
Assam	334.35	223.82	0.00	13.08	2.18	573.43	2.66
Manipur	0.00	0.00	0.00	18.80	0.32	19.12	100.00
Meghalaya	0.00	0.00	0.00	25.91	2.70	28.61	100.00
Mizoram	0.00	0.00	0.00	7.00	2.47	9.47	100.00
Nagaland	0.00	0.00	0.00	6.50	3.48	9.98	100.00
Tripura	0.00	348.43	0.00	0.00	2.73	351.16	0.78
North Eastern Region	334.35	572.25	0.00	141.65	14.10	1062.35	14.66
All India Total	85633.22	3667.27	3172.90	8435.86	11245.18	112154.43	20.38

Table 13 Renewable Energy as % of Total Electricity Generated

Re Generation as proportion of Total Electricity generation -Physical location wise. (State Wise) for the Month of February,2020							
State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
Chandigarh	0.00	0.00	0.00	0.00	1.56	1.56	100.00
Delhi	0.00	444.88	0.00	0.00	26.72	471.60	5.67
Haryana	1564.50	26.03	0.00	0.00	73.94	1664.47	4.44
HP	0.00	0.00	0.00	1415.45	83.51	1498.96	5.57
J & K	0.00	0.00	0.00	880.30	16.98	897.28	1.89
Ladakh	0.00	0.00	0.00	14.81	0.00	14.81	0.00
Punjab	951.07	0.00	0.00	391.44	279.49	1622.00	17.23
Rajasthan	4104.51	42.69	534.85	70.11	1270.41	6022.57	21.09
Uttar Pradesh	8611.88	235.42	309.49	127.41	733.15	10017.35	7.32
Uttarakhand	0.00	201.86	0.00	755.73	84.17	1041.76	8.08
Northern Region	15231.96	950.88	844.34	3655.25	2569.92	23252.35	11.05
Chhattisgarh	9930.17	0.00	0.00	14.16	117.28	10061.61	1.17
Gujarat	7340.69	955.81	305.31	528.25	1358.51	10488.57	12.95
Madhya Pradesh	10837.21	0.00	0.00	408.62	677.48	11923.31	5.68
Maharashtra	9794.47	617.68	805.53	394.20	1120.98	12732.86	8.80
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.58	0.58	100.00
Daman & Diu	0.00	0.00	0.00	0.00	2.11	2.11	100.00
Goa	0.00	0.00	0.00	0.00	0.12	0.12	100.00
Western Region	37902.54	1573.49	1110.84	1345.23	3277.05	45209.15	7.25
Andhra Pradesh	4801.86	278.22	0.00	293.97	1007.89	6381.94	15.79
Telangana	3875.72	0.00	0.00	190.10	631.26	4697.08	13.44
Karnataka	2668.13	0.00	527.30	1304.66	2239.75	6739.84	33.23
Kerala	0.00	0.00	0.00	384.35	46.51	430.86	10.79
Tamil Nadu	5884.78	271.26	690.42	291.15	1224.65	8362.26	14.64
Lakshadweep	0.00	0.00	0.00	0.00	0.06	0.06	100.00
Puducherry	0.00	21.17	0.00	0.00	0.37	21.54	1.72
Southern Region	17230.49	570.65	1217.72	2464.23	5150.48	26633.57	19.34
Andaman Nicobar	10.44	0.00	0.00	0.00	1.16	11.60	9.98
Bihar	2895.14	0.00	0.00	0.00	45.56	2940.70	1.55
Jharkhand	2166.40	0.00	0.00	7.36	1.16	2174.92	0.05
Orissa	3985.97	0.00	0.00	453.28	54.85	4494.10	1.22
Sikkim	0.00	0.00	0.00	250.03	6.92	256.95	2.69
West Bengal	5875.93	0.00	0.00	118.83	121.40	6116.16	1.98

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

State/UT	Thermal	Gas	Nuclear	Hydro	Renewable Energy	Grand Total	RE as % of Total
DVC	0.00	0.00	0.00	0.00	2.58	2.58	100.00
Eastern Region	14933.88	0.00	0.00	829.50	233.64	15997.02	1.46
Arunachal Pradesh	0.00	0.00	0.00	70.36	0.22	70.58	0.31
Assam	334.35	223.82	0.00	13.08	2.18	573.43	0.38
Manipur	0.00	0.00	0.00	18.80	0.32	19.12	1.66
Meghalaya	0.00	0.00	0.00	25.91	2.70	28.61	9.44
Mizoram	0.00	0.00	0.00	7.00	2.47	9.47	26.05
Nagaland	0.00	0.00	0.00	6.50	3.48	9.98	34.90
Tripura	0.00	348.43	0.00	0.00	2.73	351.16	0.78
North Eastern Region	334.35	572.25	0.00	141.65	14.10	1062.35	1.33
All India Total	85633.22	3667.27	3172.90	8435.86	11245.18	112154.43	10.03

RENEWABLE ENERGY TO TRANSPORT SECTOR :

Table 14 REWA Solar To Delhi Metro

From Rewa Solar Park (MP) to DMRC				
	Delhi Discoms			
Month	BRPL	BYPL	TPDDL	Total (MUs)
April,19	3.59	3.8		7.39
May,19	15.79	9.03		24.82
June,19				0
July,19	15.72	8.7		24.42
August,19	15.85	8.78		24.63
September,19	15.3	8.52		23.82
October,19	15.15	8.49		23.64
November,19	13.95	7.82		21.77
December,19	13.05	7.17	6.1	26.32
January,2020	12.93	6.50	6.26	25.69
February,2020	12.56	6.18	5.70	24.44
* All figures at Delhi PP in MUs				
DMRC : Delhi Metro Rail Corporation				

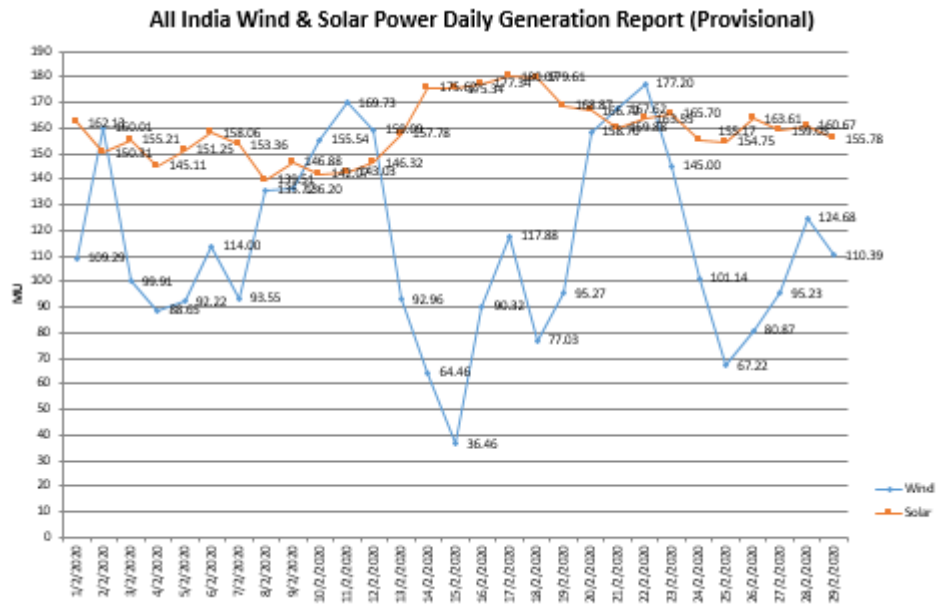


Figure 17 Daily Solar and wind Power Generation trend

A decorative graphic element consisting of a blue triangle with a gradient, pointing towards the right.

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