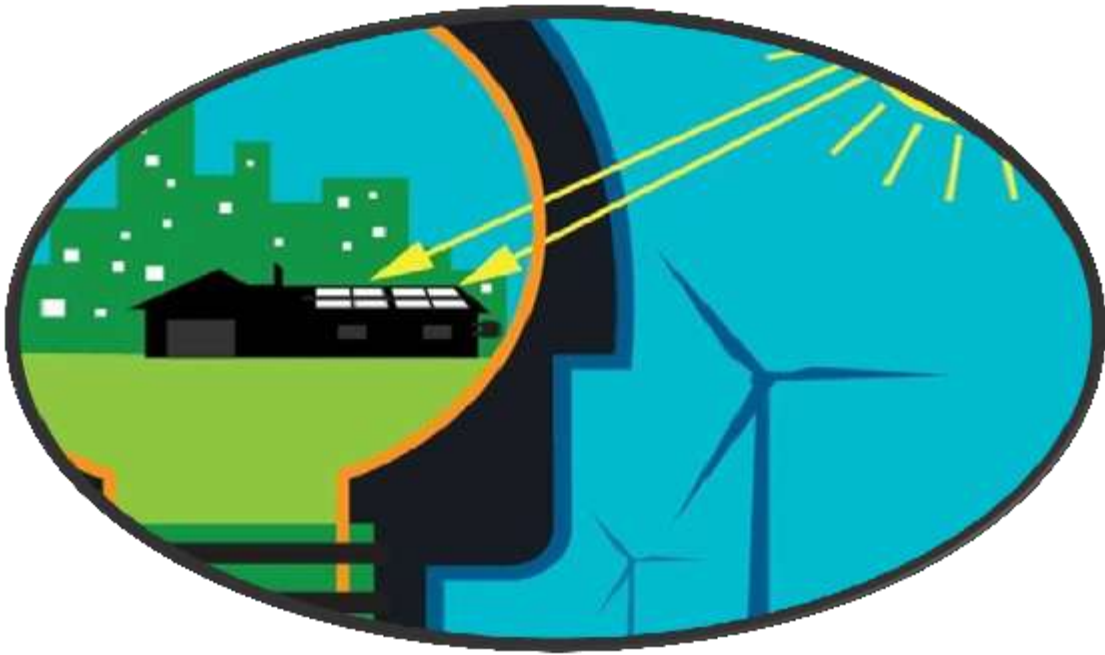




भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

मासिक नवीकरणीय ऊर्जा उत्पादन रिपोर्ट

Monthly Renewable Energy Generation Report



December 2021

दिसंबर 2021

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Summary of All India Renewable Energy Generation

Source	Installed Capacity (MW) (As on 31 .12.2021)	RE Generation (MU) December '2021	RE Generation (MU) December '2020	% of same period Last Year	RE Generation (MU) April'2021-December '2021	RE Generation (MU) April'2020-December '2020	% of same period Last Year
Wind	40082.70	3577.01	3815.71	93.74	58127.26	50182.97	115.83
Solar	49346.71	5858.03	4748.55	123.36	51250.34	43346.79	118.23
Biomass	10175.61	296.19	323.65	91.52	2546.24	2537.65	100.34
Bagasse		2183.59	1986.96	109.90	6467.72	5960.38	108.51
Small Hydro	4839.40	630.04	698.28	90.23	8727.98	8768.55	99.54
Others	434.11	209.53	167.19	125.33	1661.14	1121.39	148.13
Total	104878.53	12754.40	11740.33	108.64	128780.68	111917.72	115.07

State wise Renewable Energy Generation

Name of State/UT	RE Generation(MU) December'2021	RE Generation(MU) December'2020	RE Generation(MU) April'2021- December'2021	RE Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	1.68	0.29	11.22	6.57
Delhi #	39.11	26.72	343.70	329.90
Haryana	110.14	73.44	767.42	529.75
Himachal Pradesh	52.14	57.40	1787.99	1981.56
J & K	11.95	18.13	340.05	373.28
Ladakh	0.00	0.00	0.00	0.00
Punjab	262.72	242.22	2553.41	2177.96
Rajasthan	1627.69	1281.19	16704.26	12652.29
Uttar Pradesh	885.05	746.61	3859.28	3388.06
Uttarakhand*	71.67	109.85	645.03	1027.35
Northern Region Total	3062.14	2555.86	27012.35	22466.72
Western Region				
Chhattisgarh	161.62	143.48	1425.35	1131.96
Gujarat	2075.84	1535.21	19039.87	13526.60
Madhya Pradesh	621.05	590.85	6630.00	6465.47
Maharashtra	1314.53	1398.24	11396.16	9971.78
Dadra and Nagar Haveli	3.84	0.38	34.10	3.99
Daman & Diu	5.34	3.80	35.20	26.55
Goa	1.35	0.14	2.20	1.06
Western Region Total	4183.57	3672.09	38562.88	31127.42
Southern Region				
Andhra Pradesh	1007.90	1016.13	12184.33	10626.31
Telangana	617.16	652.79	5266.18	5004.51
Karnataka	2295.04	2530.05	21771.42	21316.37
Kerala	116.80	84.54	1244.24	892.87
Tamil Nadu	1183.19	970.70	20106.42	18238.43
Lakshadweep	0.01	0.03	0.26	0.36
Puducherry *	1.02	0.37	9.18	3.33
Southern Region Total	5221.11	5254.61	60582.04	56082.18

Name of State/UT	RE Generation(MU) December'2021	RE Generation(MU) December'2020	RE Generation(MU) April'2021- December'2021	RE Generation(MU) April'2020- December'2020
Eastern Region				
Andaman Nicobar	3.34	2.95	26.53	30.63
Bihar	24.08	13.69	147.93	185.54
Jharkhand	3.96	3.95	18.48	20.56
Orissa	73.38	61.75	830.31	668.33
Sikkim *	1.03	5.41	9.27	44.12
West Bengal	158.92	148.23	1387.63	1113.55
Eastern Region Total	264.71	235.98	2420.15	2062.73
North Eastern Region				
Arunachal Pradesh*	0.17	0.17	1.54	1.53
Assam	10.61	5.23	85.06	31.85
Manipur	0.52	0.97	4.93	5.86
Meghalaya	4.06	6.51	33.69	41.26
Mizoram	3.23	0.60	18.80	30.76
Nagaland	3.70	6.18	53.33	57.89
Tripura *	0.57	2.15	5.91	9.52
North Eastern Region Total	22.87	21.80	203.27	178.67
All India Total	12754.40	11740.33	128780.68	111917.72

1. Data as received from SLDCs / electricity department.

2. Figure given above indicates RE 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 November 2021.

Generation from other sources has been received .However solar power generation considered as on November 2021.

State wise Wind Power Generation

Name of State/UT	Wind Power Generation(MU) December'2021	Wind Power Generation(MU) December'2020	Wind Power Generation(MU) April'2021- December'2021	Wind Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	0.00	0.00
Rajasthan	299.13	446.23	5439.60	4606.50
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	299.13	446.23	5439.60	4606.50
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1456.49	1100.66	14209.40	10099.92
Madhya Pradesh	281.17	214.60	3559.20	3115.38
Maharashtra	257.16	357.38	6195.18	5560.05
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 Total	1994.82	1672.64	23963.78	18775.35
Southern Region				
Andhra Pradesh	296.49	390.83	6075.00	5389.21
Telangana	18.19	17.67	217.78	174.81
Karnataka	468.37	801.90	8102.33	7949.53
Kerala	7.20	8.03	112.53	110.78
Tamil Nadu	492.82	478.42	14216.25	13175.79
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	1283.07	1696.85	28723.88	26800.12

Name of State/UT	Wind Power Generation(MU) December'2021	Wind Power Generation(MU) December'2020	Wind Power Generation(MU) April'2021- December'2021	Wind Power Generation(MU) April'2020- December'2020
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region Total	0.00	0.00	0.00	0.00
North Eastern Region				
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	1.00
Tripura	0.00	0.00	0.00	0.00
North Eastern Region Total	0.00	0.00	0.00	1.00
All India Total	3577.01	3815.71	58127.26	50182.97

1. Data as received from SLDC of the respective states or from the electricity department.

2. Figure given above indicates RE generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

State wise Solar Power Generation

Name of State/UT	Solar Power Generation(MU) December'2021	Solar Power Generation(MU) December'2020	Solar Power Generation(MU) April'2021- December'2021	Solar Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	1.68	0.29	11.22	6.57
Delhi	20.04	12.22	165.72	150.88
Haryana	57.37	9.34	392.77	65.71
Himachal Pradesh	4.08	3.06	33.78	27.76
J & K	0.00	1.23	1.71	5.37
Ladakh	0.00	0.00	0.00	0.00
Punjab	108.59	81.52	1140.01	1050.93
Rajasthan	1294.77	797.88	10979.64	7728.53
Uttar Pradesh	202.55	128.05	2083.29	1250.53
Uttarakhand	24.63	25.63	221.67	263.28
Northern Region Total	1713.71	1059.22	15029.81	10549.54
Western Region				
Chhattisgarh	37.22	33.28	307.01	267.81
Gujarat	594.80	408.32	4692.18	3207.52
Madhya Pradesh	293.65	322.23	2848.54	3074.14
Maharashtra	222.97	224.35	2303.14	1849.72
Dadra and Nagar Haveli	3.84	0.38	34.10	3.99
Daman & Diu	4.32	2.58	26.29	19.32
Goa	1.34	0.14	2.19	1.06
Western Region Total	1158.14	991.28	10213.45	8423.56
Southern Region				
Andhra Pradesh	631.85	555.55	5644.64	4835.82
Telangana	538.87	585.99	4679.70	4586.03
Karnataka	1102.02	1060.68	9431.84	9771.25
Kerala	40.30	24.99	344.13	194.24
Tamil Nadu	596.74	403.76	5188.64	4436.47
Lakshadweep	0.01	0.03	0.26	0.36
Puducherry	1.02	0.37	9.18	3.33
Southern Region Total	2910.82	2631.37	25298.39	23827.50

Name of State/UT	Solar Power Generation(MU) December'2021	Solar Power Generation(MU) December'2020	Solar Power Generation(MU) April'2021- December'2021	Solar Power Generation(MU) April'2020- December'2020
Eastern Region				
Andaman Nicobar	2.14	1.97	15.61	17.99
Bihar	11.92	11.55	118.77	125.98
Jharkhand	1.40	1.36	13.10	12.36
Orissa	44.96	44.27	425.25	326.04
Sikkim	0.00	0.00	0.00	0.00
West Bengal	6.46	5.08	70.57	47.80
Eastern Region Total	66.88	64.23	643.30	530.17
North Eastern Region				
Arunachal Pradesh	0.13	0.12	1.27	1.13
Assam	7.19	0.57	52.84	4.18
Manipur	0.52	0.97	4.93	5.86
Meghalaya	0.00	0.00	0.47	0.00
Mizoram	0.09	0.18	1.42	0.36
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.57	0.61	4.47	4.50
North Eastern Region Total	8.49	2.45	65.40	16.02
All India Total	5858.03	4748.55	51250.34	43346.78

1. Data as received from SLDC of the respective states or from the electricity department.
2. Figure given above indicates RE generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

State wise Biomass Power Generation

Name of State/UT	Biomass Power Generation(MU) December'2021	Biomass Power Generation(MU) December'2020	Biomass Power Generation(MU) April'2021- December'2021	Biomass Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	11.64	16.08	121.64	132.94
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	58.23	55.52	426.57	436.98
Rajasthan	31.61	35.14	281.94	311.74
Uttar Pradesh	1.91	24.56	55.65	92.45
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	103.38	131.30	885.80	974.11
Western Region				
Chhattisgarh	114.32	100.58	948.71	733.99
Gujarat	0.00	0.00	0.00	43.14
Madhya Pradesh	1.00	0.03	3.62	0.32
Maharashtra	26.19	28.31	236.27	248.56
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	1.02	1.21	8.91	7.24
Goa	0.00	0.00	0.00	0.00
Western Region Total	142.53	130.14	1197.51	1033.24
Southern Region				
Andhra Pradesh	6.89	11.80	79.62	100.13
Telangana	8.61	14.76	84.73	122.80
Karnataka	12.41	20.42	139.39	159.26
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	13.47	13.09	82.63	109.12

Name of State/UT	Biomass Power Generation(MU) December'2021	Biomass Power Generation(MU) December'2020	Biomass Power Generation(MU) April'2021- December'2021	Biomass Power Generation(MU) April'2020- December'2020
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	41.38	60.07	386.37	491.31
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	2.14	2.14	14.88
Jharkhand	0.00	0.00	0.00	0.00
Orissa	8.90	0.00	74.42	24.10
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region Total	8.90	2.14	76.56	38.98
North Eastern Region				
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 Total	0.00	0.00	0.00	0.00
All India Total	296.19	323.65	2546.24	2537.65

1. Data as received from SLDC of the respective states or from the electricity department.

2. Figure given above indicates RE generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

State wise Bagasse Power Generation

Name of State/UT	Bagasse Power Generation(MU) December'2021	Bagasse Power Generation(MU) December'2020	Bagasse Power Generation(MU) April'2021- December'2021	Bagasse Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	19.94	22.76	34.69	78.72
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	43.19	45.78	80.39	92.22
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	664.61	577.54	1593.45	1936.70
Uttarakhand	20.26	0.00	182.34	29.23
Northern Region Total	748.00	646.08	1890.87	2136.86
Western Region				
Chhattisgarh	2.33	3.44	2.33	8.52
Gujarat	4.76	3.63	12.08	11.30
Madhya Pradesh	17.09	19.73	23.00	25.74
Maharashtra	780.53	734.56	2095.26	1725.89
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 Total	804.71	761.35	2132.67	1771.45
Southern Region				
Andhra Pradesh	10.09	9.94	36.12	34.55
Telangana	30.59	22.61	38.21	23.83
Karnataka	522.12	502.61	1929.39	1475.17

Name of State/UT	Bagasse Power Generation(MU) December'2021	Bagasse Power Generation(MU) December'2020	Bagasse Power Generation(MU) April'2021- December'2021	Bagasse Power Generation(MU) April'2020- December'2020
Kerala	4.28	4.02	36.65	34.54
Tamil Nadu	51.89	40.35	381.30	333.77
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	618.96	579.53	2421.66	1901.86
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	11.92	0.00	22.51	1.48
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	148.73
Eastern Region Total	11.92	0.00	22.51	150.21
North Eastern Region				
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 Total	0.00	0.00	0.00	0.00
All India Total	2183.59	1986.96	6467.72	5960.38

1. Data as received from SLDC of the respective states or from the electricity department.

2. Figure given above indicates RE generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

State wise Small Hydro Power(up to 25 MW Installed Capacity) Generation

Name of State/UT	small Hydro Power Generation(MU) December'2021	small Hydro Power Generation(MU) December'2020	small Hydro Power Generation(MU) April'2021- December'2021	small Hydro Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	16.29	25.26	205.07	252.38
Himachal Pradesh	48.06	54.34	1754.21	1953.80
J & K	11.95	16.90	338.34	367.91
Ladakh	0.00	0.00	0.00	0.00
Punjab	52.71	59.36	906.21	597.76
Rajasthan	2.18	1.95	3.08	5.52
Uttar Pradesh	9.73	16.46	114.40	108.38
Uttarakhand	26.78	84.22	241.02	734.84
Northern Region Total	167.69	258.49	3562.32	4020.60
Western Region				
Chhattisgarh	7.75	6.18	167.31	121.64
Gujarat	19.79	22.60	126.21	154.12
Madhya Pradesh	25.00	30.70	172.21	223.26
Maharashtra	27.68	53.64	566.26	587.50
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 Total	80.22	113.11	1031.99	1086.52
Southern Region				
Andhra Pradesh	48.10	41.60	270.77	230.24
Telangana	6.32	7.42	70.35	47.66
Karnataka	190.13	144.44	2168.48	1961.17
Kerala	65.01	47.50	750.94	553.31
Tamil Nadu	28.27	35.08	237.60	183.27

Name of State/UT	small Hydro Power Generation(MU) December'2021	small Hydro Power Generation(MU) December'2020	small Hydro Power Generation(MU) April'2021-December'2021	small Hydro Power Generation(MU) April'2020-December'2020
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	337.84	276.04	3498.13	2975.65
Eastern Region				
Andaman Nicobar	1.21	0.99	10.92	12.65
Bihar	0.24	0.00	4.51	43.20
Jharkhand	2.56	2.59	5.38	8.18
Orissa	19.51	17.48	330.64	318.19
Sikkim	1.03	5.41	9.27	44.12
West Bengal	5.37	4.83	136.96	97.79
Eastern Region Total	29.92	31.29	497.68	524.12
North Eastern Region				
Arunachal Pradesh	0.04	0.05	0.27	0.41
Assam	3.43	4.66	32.22	27.67
Manipur	0.00	0.00	0.00	0.00
Meghalaya	4.06	6.51	33.22	41.26
Mizoram	3.15	0.42	17.38	30.40
Nagaland	3.70	6.18	53.33	56.89
Tripura	0.00	1.54	1.44	5.02
North Eastern Region Total	14.38	19.35	137.87	161.66
All India Total	630.04	698.28	8727.98	8768.55

1. Data as received from SLDC of the respective states or from the electricity department.
2. Figure given above indicates RE generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

State wise Others* Power Generation

Name of State/UT	Others Power Generation(MU) December'2021	Others Power Generation(MU) December'2020	Others Power Generation(MU) April'2021- December'2021	Others Power Generation(MU) April'2020- December'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	19.07	14.51	177.98	179.02
Haryana	4.90	0.00	13.25	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
J & K	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00
Punjab	0.01	0.04	0.23	0.08
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	6.25	0.00	12.50	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	30.22	14.55	203.95	179.10
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	10.61
Madhya Pradesh	3.15	3.56	23.43	26.64
Maharashtra	0.00	0.00	0.05	0.05
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Goa	0.01	0.00	0.01	0.00
Western Region Total	3.15	3.56	23.48	37.30
Southern Region				
Andhra Pradesh	14.48	6.41	78.18	36.36
Telangana	14.58	4.35	175.42	49.38
Karnataka	0.00	0.00	0.00	0.00
Kerala	0.00	0.00	0.00	0.01
Tamil Nadu	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00

Name of State/UT	Others Power Generation(MU) December'2021	Others Power Generation(MU) December'2020	Others Power Generation(MU) April'2021- December'2021	Others Power Generation(MU) April'2020- December'2020
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	29.06	10.76	253.60	85.74
Eastern Region				
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	147.09	138.32	1180.11	819.25
Eastern Region Total	147.09	138.32	1180.11	819.25
North Eastern Region				
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 Total	0.00	0.00	0.00	0.00
All India Total	209.53	167.19	1661.14	1121.39

1. Data as received from SLDC of the respective states or from the electricity department.

2. Figure given above indicates RE generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

*Others include electricity generation from waste (Municipal solid Waste) to heat.

Renewable Energy Generation from ISGS Plants for December 2021

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

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Unchahar Solar	Uttar Pradesh	Central	NTPC	Solar	10	0.80	10.75
Dadri Solar	Uttar Pradesh	Central	NTPC	Solar	5	0.41	11.02
Singrauli Solar	Uttar Pradesh	Central	NTPC	Solar	15	1.37	12.28
Auraiya	Uttar Pradesh	Central	NTPC	Solar	20	1.80	12.10
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	300	51.15	22.92
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	IPP	Solar	250	50.85	27.34
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	300	75.44	33.80
Adani Renewable Energy Four Pvt Ltd	Rajasthan	Private	IPP	Solar	300	7.84	3.51
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	250	44.29	23.81
Mahoba Solar (Up) Private Ltd	Rajasthan	Private	IPP	Solar	200	32.70	21.98
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	300	38.58	17.28
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	200	28.36	19.06
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	300	8.32	3.73
Azure Power Forty One Private Limited	Rajasthan	Central	IPP	Solar	175	16.21	12.45
Mahindra Renewable Private Limited	Rajasthan	Central	IPP	Solar	250	42.38	22.78
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	IPP	Solar	300	44.97	20.15
SB Energy Four Pvt Ltd	Rajasthan	Central	IPP	Solar	150	29.57	26.50
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	250	36.42	19.58

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Private	IPP	Solar	200	45.59	30.64
Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	300	8.08	3.62
SB Energy Six Private Ltd.	Rajasthan	Central	IPP	Solar	350	50.77	19.50
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	150	10.22	9.16
Azure Power Thirty Four Private Ltd	Rajasthan	Central	IPP	Solar	300	22.22	9.96
Renew Sun Waves Private Limited	Rajasthan	Central	IPP	Solar	300	47.62	21.34
Adani Hybrid Energy Jaisalmer One Limited	Rajasthan	Central	IPP	Solar	300	70.93	31.78
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Central	IPP	Solar	100	21.92	29.46
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Central	IPP	Solar	100	20.45	27.49
Northern Region					5325	753.73	
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	250	35.25	18.95
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	250	35.07	18.85
Mahindra Solar (Badwar)	Madhya Pradesh	Private	IPP	Wind	300	34.42	15.42
ESPL RSP Solar	Gujarat	Private	IPP	Solar	200	37.51	25.21
TPREL RSP Solar	Gujarat	Private	IPP	Solar	100	18.99	25.53
GIPCL RSP Solar	Gujarat	Private	IPP	Solar	100	19.98	26.85
Renew Solar (Bhuvad)	Gujarat	Private	IPP	Solar	250	57.59	30.96
Alfnar Wind	Gujarat	Private	IPP	Wind	400	38.67	12.99
Adani Green Energy Mp Ltd(Dayapar)	Gujarat	Private	IPP	Wind	250	84.01	45.17

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	300	53.04	23.76
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	500	49.32	13.26
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	250	27.11	14.58
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	250	58.98	31.71
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	300	79.58	35.65
Western Region **					3700	629.52	
Beetam(Tuticorin)**	Tamil Nadu	Private	IPP	Wind	300	32.97	14.77
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	250	18.42	9.90
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	250	18.49	9.94
Mytra	Tamil Nadu	Private	IPP	Wind	200	20.43	13.73
Orange	Tamil Nadu	Private	IPP	Wind	84	32.59	52.15
Green Infra	Tamil Nadu	Private	IPP	Wind	279	44.87	21.62
Biwadi	Andhra Pradesh	Private	IPP	Solar	50	8.64	23.23
Hisar	Andhra Pradesh	Private	IPP	Solar	50	8.70	23.37
Karnal	Andhra Pradesh	Private	IPP	Solar	50	8.48	22.79
Ayana	Andhra Pradesh	Private	IPP	Solar	250	43.06	23.15
Azure	Andhra Pradesh	Private	IPP	Solar	50	7.15	19.22
FRV2	Andhra Pradesh	Private	IPP	Solar	50	8.23	22.11
FRV	Andhra Pradesh	Private	IPP	Solar	50	7.69	20.66
NTPC	Andhra Pradesh	Private	IPP	Solar	250	29.23	15.71

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
SBG	Andhra Pradesh	Private	IPP	Solar	250	41.30	22.21
Sprng Agnitra	Andhra Pradesh	Private	IPP	Solar	100	43.56	58.55
Tata	Andhra Pradesh	Private	IPP	Solar	250	14.32	7.70
Adyah10	Karnataka	Private	IPP	Solar	50	9.37	25.20
Adyah13	Karnataka	Private	IPP	Solar	50	9.43	25.35
Adyah1	Karnataka	Private	IPP	Solar	350	9.57	3.68
Adyah2	Karnataka	Private	IPP	Solar	50	9.64	25.92
Adyah3	Karnataka	Private	IPP	Solar	50	9.63	25.88
Adyah6	Karnataka	Private	IPP	Solar	50	9.76	26.25
Amplus	Karnataka	Private	IPP	Solar	50	8.12	21.83
Avaada	Karnataka	Private	IPP	Solar	100	26.50	35.62
Avaada Solarise	Karnataka	Private	IPP	Solar	150	26.41	23.66
Azure Power	Karnataka	Private	IPP	Solar	150	18.94	16.97
Fortum Finsurya	Karnataka	Private	IPP	Solar	100	16.07	21.60
Fortum	Karnataka	Private	IPP	Solar	200	44.23	29.73
Kredl	Karnataka	Private	IPP	Solar	250	8.03	4.32
Parampujya	Karnataka	Private	IPP	Solar	150	26.84	24.05
Renew	Karnataka	Private	IPP	Solar	150	7.95	7.13
SBG	Karnataka	Private	IPP	Solar	150	36.30	32.53
Tata	Karnataka	Private	IPP	Solar	300	69.99	31.36
Yarrow	Karnataka	Private	IPP	Solar	400	9.07	3.05

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Southern Region					5513	743.99	
All India Total					14538	2127.25	

*Generation including self-consumption and Injection into grid.

** As per Block wise generation from ISGS Projects received from RPCs.

Renewable Energy Generation from CPSU Plants

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2 021	RE Generation (MU) April'2020-December '2020
NTPC							
NTPC Faridabad_Solar	Haryana	5.00	Solar	0.44	0.49	5.10	5.16
NTPC Bhadla	Rajasthan	260.00	Solar	29.88	34.18	329.02	332.23
NTPC Jetsar	Rajasthan	80.00	Solar	8.39	0.00	20.74	0.00
NTPC Fatehgarh	Rajasthan	50.00	Solar	0.48	0.00	0.48	
NTPC Dadri_Solar *	Uttar Pradesh	5.00	Solar	0.42	0.49	4.88	5.13
NTPC Unchahar_Solar *	Uttar Pradesh	10.00	Solar	0.83	1.00	9.11	10.72
NTPC Singrauli_Solar *	Uttar Pradesh	15.00	Solar	1.39	1.04	14.55	15.10
NTPC Auraiya	Uttar Pradesh	20.00	Solar	1.83	1.29	24.09	1.85
NTPC Singrauli_SH	Uttar Pradesh	8.00	Small Hydro	0.00	0.00	13.72	13.71
NTPC Rojmal	Gujarat	50.00	Wind	9.86	7.40	79.27	62.81
NTPC Rajgarh_Solar	Madhya Pradesh	50.00	Solar	5.44	6.01	53.10	57.75
NTPC Mandsaur	Madhya Pradesh	250.00	Solar	27.23	32.41	274.28	294.84
NTPC Anantapuram	Andhra Pradesh	250.00	Solar	30.12	29.26	270.25	272.65
NTPC Ramagundam	Telangana	47.50	Solar	1.98	1.36	10.14	10.46
NTPC Andaman Nicobar	Andaman Nicobar	5.00	Solar	0.51	0.49	3.79	3.59
NTPC Talchar_Solar	Orissa	10.00	Solar	1.44	1.21	10.07	10.13
NTPC Solar_Bilhaur	Uttar Pradesh	225.00	Solar	31.75	0.00	343.17	0.00
Simhadri Floating Project	Andhra Pradesh	25.00	Solar	3.69	0.00	16.04	0.00
Total NTPC		1365.50		155.68	116.63	1481.80	1096.13

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2021	RE Generation (MU) April'2020-December '2020
THDC							
THDC Patan Wind Power Project	Gujarat	50.00	Wind	7.57	5.84	63.99	58.83
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63.00	Wind	15.35	13.66	124.48	105.97
THDC Solar Kasaragod	Kerala	50.00	Solar	9.38	0.03	61.11	0.34
THDCIL's premises at Rishikesh	Uttar Pradesh	0.50	Solar	0.03	7.97	0.28	52.00
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24.00	Small Hydro	5.74	0.00	40.61	0.00
Total THDC		187.50		38.07	27.50	290.47	217.14
NHPC							
NHPC Wind Power Project	Rajasthan	50.00	Wind	3.77	4.32	64.24	45.28
NHPC Solar Power Project	Tamilnadu	50.00	Solar	7.34	5.70	64.74	60.93
Total NHPC		100.00		11.11	10.02	128.98	106.20
ONGC**							
ONGC Wind, Bhuj	Gujarat	51.00	Wind	3.00	5.15	71.31	56.15
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	4.70	8.09	116.22	110.09
ONGC Solar, Goa	Goa	1.00	Solar	0.11	0.14	0.89	1.14
ONGC Solar, Hazira	Gujarat	10.00	Solar	1.19	1.23	9.34	11.23
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.68	0.52	4.40	5.52
ONGC Solar,Rajahmundry	Andhra Pradesh	1.00	Solar	0.06	0.10	0.71	1.10
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.13	0.11	0.89	1.20
ONGC Solar, SPP of Tati paka,	Andhra Pradesh	5.00	Solar	0.00	0.36	0.54	5.36

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2 021	RE Generation (MU) April'2020-December '2020
Rajahmundry							
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.37	0.36	3.56	4.59
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.15	0.14	1.13	1.78
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.13	0.11	0.96	1.35
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.02	0.19	0.27
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.01	0.29
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.01	0.06	0.02
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00	0.25
Total ONGC		184.05		10.55	16.34	210.21	200.34
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	0.67	1.93	42.44	54.94
Sadla Wind Power	Gujarat	50.00	Solar	8.54	6.26	80.63	59.94
Charanka Solar Power	Gujarat	5.60	Solar	0.67	0.64	6.21	4.25
Total SJVN		103.20		9.89	8.82	129.27	119.13
Oil India Ltd							
Oil India Ltd	Rajasthan	14.00	Solar	1.77	1.97	17.83	18.82
Oil India Ltd	Rajasthan	67.60	Wind	3.74	4.67	64.25	52.99
Oil India Ltd	Gujarat	43.30	Wind	10.47	8.19	73.64	70.09
Oil India Ltd	Madhya Pradesh	63.20	Wind	8.55	5.84	99.06	89.41

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) December' 2021	RE Generation (MU)' December 2020	RE Generation (MU) April'2021-December2021	RE Generation (MU) April'2020-December '2020
Total Oil India Ltd		188.10		24.52	20.67	254.77	231.31
NEEPCO							
NEEPCO	Tripura	5.00	Solar	0.53	0.29	4.13	3.08
DVC							0.00
DVC	West Bangal	0.08	Solar	0.01	0.01	2.97	0.02
DVC	Jharkhand	4.00	Small Hydro	2.89	2.59	15.12	6.09
Total DVC		4.08		2.90	2.59	18.10	6.12
All India Total		2137.43		253.24	202.87	2517.73	1979.44

Generation of CPSU owned RE generating stations is included in respective state in Renewable Energy Generation Sheet(Page no.4 & Page No.5) according to physical location so their generation should not be considered additional generation.

*Generation including self consumption and Injection into grid.

**Generation is taken from Monthly RE Generation report of November 21.



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