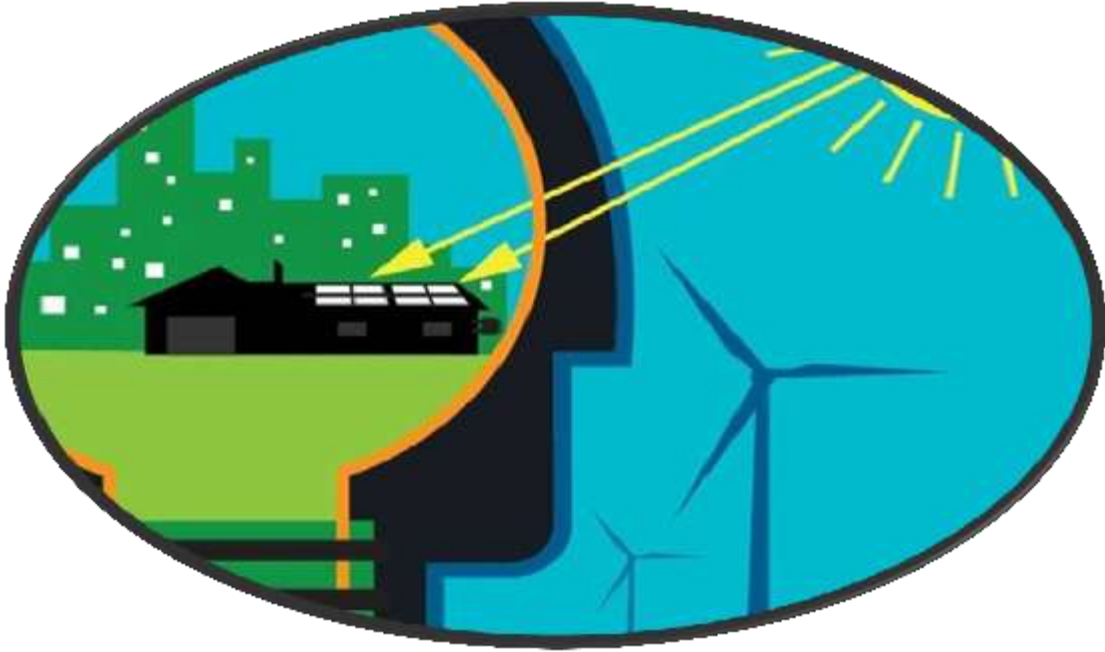




भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग
Renewable Energy Project Monitoring Division

मासिक नवीकरणीय ऊर्जा उत्पादन रिपोर्ट

Monthly Renewable Energy Generation Report



November 2021

नवम्बर 2021

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Summary of All India Renewable Energy Generation

Source	Installed Capacity (MW) (As on 30 .11.2021)	RE Generation (MU) November '2021	RE Generation (MU) November '2020	% of same period Last Year	RE Generation (MU) April'2021- November '2021	RE Generation (MU) April'2020- November '2020	% of same period Last Year
Wind	40033.6	3277.50	3305.21	99.16	54550.25	46367.26	117.65
Solar	48556.64	5014.74	4592.34	109.20	45392.32	38598.24	117.60
Biomass	10175.61	251.45	303.51	82.85	2250.04	2214.00	101.63
Bagasse		1524.82	1437.83	106.05	4284.13	3973.42	107.82
Small Hydro	4831.35	879.09	856.67	102.62	8097.94	8070.27	100.34
Others	434.11	210.65	161.70	130.27	1451.61	954.20	152.13
Total	104031.31	11158.26	10657.25	104.70	116026.28	100177.39	115.82

State wise Renewable Energy Generation

Name of State/UT	RE Generation(MU) November'2021	RE Generation(MU) November'2020	RE Generation(MU) April'2021- November'2021	RE Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.22	0.29	9.54	6.28
Delhi #	44.31	34.08	304.59	303.17
Haryana	90.71	50.16	657.28	456.31
Himachal Pradesh	181.60	94.53	1735.85	1924.16
J & K	15.59	18.40	328.10	355.15
Ladakh	0.00	0.00	0.00	0.00
Punjab *	209.21	196.34	2290.70	1935.75
Rajasthan	1669.23	1063.92	15076.58	11371.10
Uttar Pradesh	575.62	535.51	2974.23	2641.45
Uttarakhand*	71.67	109.85	573.36	917.50
Northern Region Total	2858.15	2103.07	23950.22	19910.86
Western Region				
Chhattisgarh	153.20	138.37	1263.73	988.47
Gujarat	1663.79	1473.31	16964.03	11991.39
Madhya Pradesh	512.18	574.86	6008.94	5874.62
Maharashtra	1346.74	1252.79	10081.63	8573.55
Dadra and Nagar Haveli	5.10	0.38	30.26	3.62
Daman & Diu	3.70	3.70	29.86	22.76
Goa	0.11	0.14	0.85	0.92
Western Region Total	3684.82	3443.54	34379.30	27455.33
Southern Region				
Andhra Pradesh	743.11	857.67	11176.43	9610.18
Telangana	486.06	557.45	4649.02	4351.71
Karnataka	2001.92	2475.43	19476.39	18786.33
Kerala	139.08	92.82	1127.44	808.33
Tamil Nadu	935.60	832.14	18923.23	17267.73
Lakshadweep	0.09	0.04	0.25	0.33
Puducherry *	1.02	0.37	8.16	2.96
Southern Region Total	4306.88	4815.93	55360.92	50827.57

Name of State/UT	REGeneration(MU) November'2021	RE Generation(MU) November'2020	RE Generation(MU) April'2021- November'2021	RE Generation(MU) April'2020- November'2020
Eastern Region				
Andaman Nicobar	3.34	3.15	23.19	27.68
Bihar	23.62	14.19	123.85	171.85
Jharkhand	4.04	3.60	14.52	16.61
Orissa	85.83	92.21	756.93	606.58
Sikkim *	1.03	5.41	8.24	38.71
West Bengal	165.56	151.71	1228.71	965.32
Eastern Region Total	283.42	270.27	2155.44	1826.75
North Eastern Region				
Arunachal Pradesh*	0.17	0.17	1.37	1.36
Assam*	10.53	3.58	74.44	26.62
Manipur	0.51	0.97	4.41	4.89
Meghalaya	3.62	5.90	29.63	34.75
Mizoram	3.23	5.06	15.57	30.16
Nagaland	6.37	6.73	49.63	51.72
Tripura *	0.57	2.04	5.34	7.37
North Eastern Region Total	25.00	24.44	180.40	156.87
All India Total	11158.26	10657.24	116026.28	100177.39

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 October 2021.

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

State wise Wind Power Generation

Name of State/UT	Wind Power Generation(MU) November'2021	Wind Power Generation(MU) November'2020	Wind Power Generation(MU) April'2021- November'2021	Wind Power Generation(MU) April'2020- November'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	265.21	262.89	5140.47	4160.28
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	265.21	262.89	5140.47	4160.28
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	1066.48	1074.57	12752.91	8999.26
Madhya Pradesh	273.69	210.74	3278.03	2900.78
Maharashtra	415.51	404.03	5938.02	5202.68
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	1755.67	1689.34	21968.96	17102.71
Southern Region				
Andhra Pradesh	273.20	314.91	5778.51	4998.38
Telangana	22.60	21.26	199.59	157.14
Karnataka	506.41	670.76	7633.96	7147.63
Kerala	5.22	6.40	105.32	102.75
Tamil Nadu	449.19	339.65	13723.43	12697.38
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	1256.62	1352.98	27440.82	25103.27

Name of State/UT	Wind Power Generation(MU) November'2021	Wind Power Generation(MU) November'2020	Wind Power Generation(MU) April'2021- November'2021	Wind Power Generation(MU) April'2020- November'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	3277.50	3305.21	54550.25	46367.26

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) November'2021	Solar Power Generation(MU) November'2020	Solar Power Generation(MU) April'2021- November'2021	Solar Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.22	0.29	9.54	6.28
Delhi	20.04	17.32	145.68	138.66
Haryana	49.26	7.43	335.40	56.37
Himachal Pradesh	4.10	3.66	29.70	24.70
J & K	0.00	1.20	1.71	4.14
Ladakh	0.00	0.00	0.00	0.00
Punjab	125.01	78.31	1031.42	969.41
Rajasthan	1375.56	762.65	9684.87	6930.65
Uttar Pradesh	215.16	134.61	1880.74	1122.48
Uttarakhand	24.63	25.63	197.04	237.65
Northern Region Total	1813.97	1031.11	13316.10	9490.33
Western Region				
Chhattisgarh	35.41	32.95	269.78	234.53
Gujarat	575.19	374.32	4097.38	2799.19
Madhya Pradesh	211.59	324.04	2554.90	2751.91
Maharashtra	229.25	214.00	2080.17	1625.37
Dadra and Nagar Haveli	5.10	0.38	30.26	3.62
Daman & Diu	2.63	2.55	21.97	16.73
Goa	0.11	0.14	0.85	0.92
Western Region Total	1059.28	948.37	9055.31	7432.28
Southern Region				
Andhra Pradesh	410.68	476.96	5012.79	4280.27
Telangana	429.20	511.79	4140.83	4000.04
Karnataka	785.91	1089.44	8329.83	8710.57
Kerala	35.46	27.87	303.82	169.25
Tamil Nadu	400.70	444.85	4591.90	4032.71
Lakshadweep	0.09	0.04	0.25	0.33
Puducherry	1.02	0.37	8.16	2.96
Southern Region Total	2063.05	2551.32	22387.58	21196.13

Name of State/UT	Solar Power Generation(MU) November'2021	Solar Power Generation(MU) November'2020	Solar Power Generation(MU) April'2021- November'2021	Solar Power Generation(MU) April'2020- November'2020
Eastern Region				
Andaman Nicobar	1.88	1.41	13.47	16.02
Bihar	12.92	12.53	106.85	114.43
Jharkhand	1.48	1.66	11.70	11.02
Orissa	45.45	38.27	380.29	281.78
Sikkim	0.00	0.00	0.00	0.00
West Bengal	7.51	5.48	64.11	42.70
Eastern Region Total	69.24	59.35	576.41	465.95
North Eastern Region				
Arunachal Pradesh	0.13	0.12	1.14	1.00
Assam	7.45	0.58	45.65	3.60
Manipur	0.51	0.97	4.41	4.89
Meghalaya	0.47	0.00	0.47	0.00
Mizoram	0.09	0.02	1.34	0.18
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.57	0.49	3.90	3.89
North Eastern Region Total	9.21	2.19	56.91	13.56
All India Total	5014.74	4592.34	45392.31	38598.24

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) November'2021	Biomass Power Generation(MU) November'2020	Biomass Power Generation(MU) April'2021- November'2021	Biomass Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	12.26	16.29	110.00	116.86
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	49.21	53.71	368.35	381.46
Rajasthan	28.01	36.18	250.33	276.60
Uttar Pradesh	1.64	16.30	53.74	67.89
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	91.11	122.48	782.41	842.82
Western Region				
Chhattisgarh	106.25	95.81	834.39	633.40
Gujarat	0.00	0.00	0.00	43.14
Madhya Pradesh	0.00	0.04	2.62	0.29
Maharashtra	20.63	28.34	210.08	220.25
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00
Daman & Diu	1.07	1.16	7.89	6.02
Goa	0.00	0.00	0.00	0.00
Western Region Total	127.95	125.35	1054.98	903.10
Southern Region				
Andhra Pradesh	5.60	10.79	72.73	88.33
Telangana	7.19	12.34	76.12	108.04
Karnataka	9.42	20.08	126.98	138.84
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	2.03	10.82	69.16	96.03

Name of State/UT	Biomass Power Generation(MU) November'2021	Biomass Power Generation(MU) November'2020	Biomass Power Generation(MU) April'2021- November'2021	Biomass Power Generation(MU) April'2020- November'2020
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	24.24	54.03	344.99	431.24
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	0.00	1.66	2.14	12.74
Jharkhand	0.00	0.00	0.00	0.00
Orissa	8.15	0.00	65.52	24.10
Sikkim	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Eastern Region Total	8.15	1.66	67.66	36.84
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	251.45	303.51	2250.05	2214.00

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) November'2021	Bagasse Power Generation(MU) November'2020	Bagasse Power Generation(MU) April'2021- November'2021	Bagasse Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	0.00	5.48	14.75	55.96
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	0.24	11.54	37.20	46.44
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	341.88	374.98	928.84	1359.16
Uttarakhand	20.26	0.00	162.08	29.23
Northern Region Total	362.38	391.99	1142.87	1490.78
Western Region				
Chhattisgarh	0.00	0.00	0.00	5.08
Gujarat	3.49	4.57	7.32	7.68
Madhya Pradesh	3.04	6.01	5.91	6.01
Maharashtra	645.37	562.74	1314.73	991.33
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	651.90	573.32	1327.96	1010.10
Southern Region				
Andhra Pradesh	3.99	6.87	26.03	24.61
Telangana	5.02	1.11	7.62	1.22
Karnataka	441.36	454.57	1407.27	972.56

Name of State/UT	Bagasse Power Generation(MU) November'2021	Bagasse Power Generation(MU) November'2020	Bagasse Power Generation(MU) April'2021- November'2021	Bagasse Power Generation(MU) April'2020- November'2020
Kerala	4.13	4.09	32.37	30.52
Tamil Nadu	45.45	5.87	329.41	293.42
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	499.95	472.52	1802.70	1322.33
Eastern Region				
Andaman Nicobar	0.00	0.00	0.00	0.00
Bihar	10.59	0.00	10.59	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	10.59	0.00	10.59	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	1524.82	1437.83	4284.13	3973.42

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) November'2021	small Hydro Power Generation(MU) November'2020	small Hydro Power Generation(MU) April'2021- November'2021	small Hydro Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	24.95	20.96	188.78	227.12
Himachal Pradesh	177.50	90.87	1706.15	1899.46
J & K	15.59	17.20	326.39	351.01
Ladakh	0.00	0.00	0.00	0.00
Punjab	34.75	52.76	853.51	538.40
Rajasthan	0.45	2.21	0.90	3.58
Uttar Pradesh	10.70	9.62	104.67	91.92
Uttarakhand	26.78	84.22	214.24	650.62
Northern Region Total	290.72	277.83	3394.63	3762.11
Western Region				
Chhattisgarh	11.54	9.61	159.56	115.46
Gujarat	18.63	19.85	106.42	131.52
Madhya Pradesh	21.71	30.47	147.21	192.56
Maharashtra	35.98	43.68	538.58	533.86
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	87.86	103.61	951.76	973.41
Southern Region				
Andhra Pradesh	34.58	41.52	222.67	188.64
Telangana	9.14	9.42	64.03	40.24
Karnataka	258.83	240.58	1978.35	1816.73
Kerala	94.28	54.46	685.93	505.81
Tamil Nadu	38.23	30.95	209.33	148.19

Name of State/UT	small Hydro Power Generation(MU) November'2021	small Hydro Power Generation(MU) November'2020	small Hydro Power Generation(MU) April'2021- November'2021	small Hydro Power Generation(MU) April'2020- November'2020
Lakshadweep	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	435.05	376.94	3160.30	2699.61
Eastern Region				
Andaman Nicobar	1.46	1.74	9.71	11.66
Bihar	0.11	0.00	4.27	43.20
Jharkhand	2.56	0.00	2.82	0.00
Orissa	32.23	53.94	311.13	300.70
Sikkim	1.03	5.41	8.24	38.71
West Bengal	12.28	14.96	131.59	100.51
Eastern Region Total	49.67	76.05	467.76	492.82
North Eastern Region				
Arunachal Pradesh	0.04	0.05	0.23	0.36
Assam	3.08	3.00	28.79	23.01
Manipur	0.00	0.00	0.00	0.00
Meghalaya	3.15	5.90	29.16	34.75
Mizoram	3.15	5.04	14.23	29.98
Nagaland	6.37	6.73	49.63	50.72
Tripura	0.00	1.54	1.44	3.48
North Eastern Region Total	15.79	22.25	123.49	142.31
All India Total	879.09	856.67	8097.94	8070.27

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) November'2021	Others Power Generation(MU) November'2020	Others Power Generation(MU) April'2021- November'2021	Others Power Generation(MU) April'2020- November'2020
Northern Region				
Chandigarh	0.00	0.00	0.00	0.00
Delhi	24.27	16.76	158.91	164.51
Haryana	4.24	0.00	8.35	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	0.02	0.22	0.03
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	6.25	0.00	6.25	0.00
Uttarakhand	0.00	0.00	0.00	0.00
Northern Region Total	34.76	16.78	173.73	164.54
Western Region				
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	10.61
Madhya Pradesh	2.16	3.55	20.28	23.08
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	0.00	0.00	0.00	0.00
Western Region Total	2.16	3.56	20.33	33.74
Southern Region				
Andhra Pradesh	15.06	6.62	63.70	29.95
Telangana	12.90	1.52	160.84	45.04
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

Name of State/UT	Others Power Generation(MU) November'2021	Others Power Generation(MU) November'2020	Others Power Generation(MU) April'2021- November'2021	Others Power Generation(MU) April'2020- November'2020
Puducherry	0.00	0.00	0.00	0.00
Southern Region Total	27.96	8.14	224.54	74.99
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	145.77	133.22	1033.01	680.93
Eastern Region Total	145.77	133.22	1033.01	680.93
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	210.65	161.70	1451.61	954.20

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 November 2021

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

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Unchahar Solar	Uttar Pradesh	Central	NTPC	Solar	10	0.88	12.23
Dadri Solar	Uttar Pradesh	Central	NTPC	Solar	5	0.46	12.67
Singrauli Solar	Uttar Pradesh	Central	NTPC	Solar	15	1.51	13.98
Auraiya	Uttar Pradesh	Central	NTPC	Solar	20	2.01	13.94
Eden Renewable Cite Private Limited	Rajasthan	Private	IPP	Solar	50	53.65	24.84
Clean Solar Power (Bhadla) Pvt Ltd	Rajasthan	Private	IPP	Solar	250	55.41	30.78
Azure Power Forty Three Private Ltd	Rajasthan	Private	IPP	Solar	200	85.52	39.59
Adani Renewable Energy Four Pvt Ltd	Rajasthan	Private	IPP	Solar	300	8.66	4.01
Tata Power Renewable Energy Ltd	Rajasthan	Private	IPP	Solar	250	48.91	27.17
Mahoba Solar (Up) Private Ltd	Rajasthan	Private	IPP	Solar	200	35.61	24.73
Acme Chittorgarh Energy Pvt Ltd.	Rajasthan	Private	IPP	Solar	130	44.56	47.61
Azure Power India Pvt Ltd	Rajasthan	Private	IPP	Solar	50	32.09	22.28
M/S Adani Solar Energy Jodhpur Two Ltd	Rajasthan	Private	IPP	Solar	300	9.2	4.26
Azure Power Forty One Private Limited	Rajasthan	Central	IPP	Solar	175	10.62	8.43
Mahindra Renewable Private Limited	Rajasthan	Central	IPP	Solar	150	47.62	26.46
Renew Solar Energy (Jharkhand Three) Pvt Ltd	Rajasthan	Private	IPP	Solar	50	44.64	20.67
SB Energy Four Pvt Ltd	Rajasthan	Central	IPP	Solar	150	36.55	33.84

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Renew Solar Power Pvt Ltd. Bikaner	Rajasthan	Private	IPP	Solar	250	43.62	24.23
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Private	IPP	Solar	200	0.67	0.47
Renew Solar Power Pvt Ltd	Rajasthan	Private	IPP	Solar	300	9.06	4.19
SB Energy Six Private Ltd.	Rajasthan	Central	IPP	Solar	50	56.71	22.50
SBSR Power Cleantech Eleven Private Limited	Rajasthan	Private	IPP	Solar	150	12.15	11.25
Azure Power Thirty Four Private Ltd	Rajasthan	Central	IPP	Solar	300	25.02	11.58
Renew Sun Waves Private Limited	Rajasthan	Central	IPP	Solar	100	51.24	23.72
Adani Hybrid Energy Jaisalmer One Limited Solar	Rajasthan	Central	IPP	Solar	100	71.07	32.90
Adani Hybrid Energy Jaisalmer Three Limited	Rajasthan	Central	IPP	Solar	100	18.13	25.18
Adani Hybrid Energy Jaisalmer Two Limited	Rajasthan	Central	IPP	Solar	100	17.72	24.61
Northern Region **					5505	823.28	
Arinsun Solar (Barsaitadesh)	Madhya Pradesh	Private	IPP	Solar	250	39.92	22.18
Acme Solar (Ramnagar)	Madhya Pradesh	Private	IPP	Solar	250	40.44	22.47
Mahindra Solar (Badwar)	Madhya Pradesh	Private	IPP	Wind	300	39.78	18.42
ESPL RSP Solar	Gujarat	Private	IPP	Solar	200	36.88	25.61
TPREL RSP Solar	Gujarat	Private	IPP	Solar	100	18.89	26.24
GIPCL RSP Solar	Gujarat	Private	IPP	Solar	100	19.47	27.04
Renew Solar (Bhuvad)	Gujarat	Private	IPP	Solar	250	33.21	18.45

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Alfnar Wind	Gujarat	Private	IPP	Wind	400	22.36	7.76
Adani Green Energy Mp Ltd(Dayapar)	Gujarat	Private	IPP	Wind	250	52.37	29.09
Giwel-II Wind (Vadva)	Gujarat	Private	IPP	Wind	300	36.22	16.77
Giwel-III Wind (Naranpar)	Gujarat	Private	IPP	Wind	500	25.56	7.10
IWISL Wind (Dayapar)	Gujarat	Private	IPP	Wind	250	16.82	9.34
Ostro Wind (Kutch)	Gujarat	Private	IPP	Wind	250	43.28	24.04
Renew Ap2 Wind(Ghadsisa)	Gujarat	Private	IPP	Wind	300	59.86	27.71
Western Region **					3700	485.06	
Beetam(Tuticorin)	Tamil Nadu	Private	IPP	Wind	300	23.89	11.06
Sprng Renewable Energy Pvt Ltd(Pugalur)	Tamil Nadu	Private	IPP	Wind	250	16.73	9.29
Hiritur Ostro	Tamil Nadu	Private	IPP	Wind	250	5.36	2.98
Mytra	Tamil Nadu	Private	IPP	Wind	200	15.71	10.91
Orange	Tamil Nadu	Private	IPP	Wind	84	19.72	32.61
Green Infra	Lakshadweep	Private	IPP	Wind	279	25.68	12.78
Acme (Biwadi)	Andhra Pradesh	Private	IPP	Solar	50	5.33	14.81
Azure	Andhra Pradesh	Private	IPP	Solar	50	4.64	12.89
Acme (Karnal)	Andhra Pradesh	Private	IPP	Solar	50	5.49	15.25
Ayana	Andhra Pradesh	Private	IPP	Solar	250	27.92	15.51
Acme (Hisar)	Andhra Pradesh	Private	IPP	Solar	50	5.36	14.89
FRV 1	Andhra Pradesh	Private	IPP	Solar	50	4.63	12.86
FRV 2	Andhra Pradesh	Private	IPP	Solar	50	5.45	15.14

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
NTPC	Andhra Pradesh	Private	IPP	Solar	250	18.32	10.18
SBG Energy	Andhra Pradesh	Private	IPP	Solar	250	27.63	15.35
Tata Power	Andhra Pradesh	Private	IPP	Solar	100	9	12.50
Spring Angitra	Andhra Pradesh	Private	IPP	Solar	250	28.85	16.03
Adyah Block 2	Karnataka	Private	IPP	Solar	50	6.22	17.28
Adyah Block 6	Karnataka	Private	IPP	Solar	50	6.27	17.42
Tata Renewables	Karnataka	Private	IPP	Solar	50	45.29	17.97
Acme (Riwari)	Karnataka	Private	IPP	Solar	50	5.66	15.72
Adyah Block 1	Karnataka	Private	IPP	Solar	50	6.12	17.00
Adyah Block 10	Karnataka	Private	IPP	Solar	50	5.9	16.39
Adyah Block 13	Karnataka	Private	IPP	Solar	50	6.01	16.69
Renew TN2	Karnataka	Private	IPP	Solar	50	4.9	13.61
Acme (Kurukshethra)	Karnataka	Private	IPP	Solar	150	5.6	5.19
Avaada Solar	Karnataka	Private	IPP	Solar	150	17.81	16.49
Avaada Solarise	Karnataka	Private	IPP	Solar	100	17.27	23.99
Azure Power Earth	Karnataka	Private	IPP	Solar	100	12.69	17.63
Fortum Fin Surya	Karnataka	Private	IPP	Solar	250	10.53	5.85
Fortum Solar	Karnataka	Private	IPP	Solar	50	29.53	27.34
Kredl	Karnataka	Private	IPP	Solar	150	5.31	4.92
Parampujya	Karnataka	Private	IPP	Solar	50	16.62	15.39
Adyah Block 3	Karnataka	Private	IPP	Solar	200	6.06	4.21
SBG Energy	Karnataka	Private	IPP	Solar	400	21.65	7.52

Station	State/ Region	Sector (Central /State /Private)	Owner	Type	Capacity (MW)	Generation (MU)	Monthly CUF (%)
Yarrow	Karnataka	Private	IPP	Solar	50	5.44	15.11
Southern Region **					5313	489.69	
Total					14518	1798.03	

*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) November'2021	RE Generation (MU)' November 2020	RE Generation (MU) April'2021-November 2021	RE Generation (MU) April'2020-November '2020
NTPC							
NTPC Faridabad_Solar	Haryana	5	Solar	0.46	0.45	4.66	4.68
NTPC Bhadla	Rajasthan	260	Solar	34.05	30.52	299.14	298.06
NTPC Dadri_Solar *	Uttar Pradesh	5	Solar	0.46	0.48	4.44	4.64
NTPC Unchahar_Solar *	Uttar Pradesh	10	Solar	0.88	1.08	8.19	10.48
NTPC Singrauli_Solar *	Uttar Pradesh	15	Solar	1.51	1.73	13.17	14.07
NTPC Auraiya	Uttar Pradesh	20	Solar	2.01	0.45	22.26	0.45
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	0.00	0.00	13.72	13.70
NTPC Rojmal	Gujarat	50	Wind	8.12	7.41	69.41	55.41
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	6.04	6.14	47.66	51.74
NTPC Mandsaur	Madhya Pradesh	250	Solar	30.99	33.23	247.05	262.43
NTPC Anantapuram	Andhra Pradesh	250	Solar	19.04	25.36	240.14	243.40
NTPC Ramagundam	Telangana	27.5	Solar	2.86	1.24	10.03	8.99
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.45	0.40	3.28	3.11
NTPC Talchar_Solar	Orissa	10	Solar	1.00	1.14	8.63	8.97
NTPC Solar_Bilhaur	Uttar Pradesh	225	Solar	33.25	0.00	311.41	0.00
Simhadri Floating Project	Andhra Pradesh	25	Solar	3.93	0.00	13.22	0.00
Total NTPC		1215.5		145.05	109.63	1316.41	980.14
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	3.53	6.00	56.42	52.99
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	12.72	12.92	109.13	92.31
THDC Solar Kasaragod	Kerala	50	Solar	6.73	0.03	51.73	0.27
THDCIL's premises at Rishikesh	Uttar Pradesh	0.5	Solar	4.88	9.09	5.10	44.03
THDC Dhukwan SHEP Jhansi,UP	Uttar Pradesh	24	Small Hydro	0.04	0.00	30.03	0.00

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) November'2021	RE Generation (MU)' November 2020	RE Generation (MU) April'2021-November 2021	RE Generation (MU) April'2020-November '2020
Total THDC		187.5		27.90	28.04	252.40	189.60
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	3.47	2.42	60.47	45.28
NHPC Solar Power Project	Tamilnadu	50	Solar	4.76	6.43	57.41	60.93
Total NHPC		100		8.23	8.85	117.87	106.20
ONGC*							
ONGC Wind, Bhuj	Gujarat	51.00	Wind	3.00	4.08	71.31	48.87
ONGC Wind, Jaisalmer	Rajasthan	102.00	Wind	4.70	3.79	116.22	91.10
ONGC Solar, Goa	Goa	1.00	Solar	0.11	0.14	0.89	0.92
ONGC Solar, Hazira	Gujarat	10.00	Solar	1.19	1.22	9.34	9.71
ONGC Solar, Ankleshwar	Gujarat	5.00	Solar	0.68	0.54	4.40	5.25
ONGC Solar, Rajahmundry	Andhra Pradesh	1.00	Solar	0.06	0.87	0.71	1.54
ONGS Solar, SPP of Assam	Assam	1.09	Solar	0.13	0.11	0.89	0.42
ONGC Solar, SPP of Tati paka, Rajahmundry	Andhra Pradesh	5.00	Solar	0.00	0.42	0.54	1.18
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.23	Solar	0.37	0.39	3.56	3.16
ONGC Solar, Assam (RTS)	Assam	1.65	Solar	0.15	1.34	1.13	2.35
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.24	Solar	0.13	0.11	0.96	0.98
ONGC Solar, Agartala asset	Tripura	0.25	Solar	0.02	0.03	0.19	0.18
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.29	Solar	0.00	0.00	0.01	0.02
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.07	Solar	0.01	0.01	0.06	0.05
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0	0.00	0.00	0.00
Total ONGC		184.05		10.55	13.04	210.21	165.74
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.60	Wind	2.10	1.93	48.88	54.94

Name of CPSU	Name of State	Installed Capacity (MW)	Source	RE Generation (MU) November'2021	RE Generation (MU)' November 2020	RE Generation (MU) April'2021- November 2021	RE Generation (MU) April'2020- November '2020
Sadla Wind Power	Gujarat	50.00	Solar	7.10	6.26	73.99	59.94
Charanka Solar Power	Gujarat	5.60	Solar	0.64	0.64	5.27	4.25
Total SJVN		103.2		9.84	8.82	128.14	119.13
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	2.88	1.93	17.16	16.85
Oil India Ltd	Rajasthan	67.6	Wind	1.79	2.68	59.41	49.00
Oil India Ltd	Gujarat	43.3	Wind	7.59	8.89	63.09	56.16
Oil India Ltd	Madhya Pradesh	63.2	Wind	8.20	6.61	90.51	85.84
Total Oil India Ltd		188.1		20.46	20.11	230.17	207.86
NEEPCO							
NEEPCO	Tripura	5	Solar	0.55	0.47	3.59	3.08
DVC							
DVC	West Bangal	0.08	Solar	0.01	0.01	2.97	0.02
DVC	Jharkhand	4	Small Hydro	2.56	1.95	12.23	3.50
Total DVC		4.08		2.57	1.96	15.20	3.52
All India Total		1987.43		225.14	190.92	2274.00	1775.27

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.



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