



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

विषय : नवीकरणीय ऊर्जा उत्पादन रिपोर्ट माह जनवरी 2020 के संबंध में ।

Please find herewith Renewable Energy generation Report for the month of January 2020 for kind reference.

28.2.2020

विजय मेंघानी/Vijay Menghani)

मुख्य अभियंता/Chief Engineer

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दिनांक: 28.02.2020

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Renewable Energy Project Monitoring Division/नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग

1. SUMMARY-ALL INDIA

AN OVERVIEW

Category	Jan-20				April 2019-January 2020		
	Installed Capacity (MW)	Actual(MU)	Actual(MU) Same Month	% Of Last Year (2/3)	Actual(MU)	Actual(MU) Same Period	% Of Last Year (5/6)
			2018-19			2018-19	
	1	2	3	4	5	6	7
Wind	37607.7	3319.95	2851.89	116.41	57721.89	55975.98	103.12
Solar	34035.66	4612.72	3534.81	130.49	39407.14	31329.74	125.78
Biomass	9861.31	273.21	230.98	118.29	2347.05	2266.79	103.54
Bagasse		1906.91	2351.84	81.08	7741.14	9803.03	78.97
Small Hydro	4676.56	562.16	428.57	131.17	8255.16	7839.06	105.31
Others	139.8	23.95	35.11	68.22	300.26	353.69	84.89
Total	86321.03	10698.91	9433.21	113.42	115772.65	107568.28	107.63

Detailed Renewable Energy Generation report for the month of Jan'2020 with trend analysis will be published shortly.

Renewable Energy Generation Data (State Wise) for the month of January,2020

Name of State/UT	Actual Generation (MU) during January		Cumulative Generation (MU) for FY 2019-20 and 2018-19	
	January,2020	January,2019	April to January 2020	April to January 2019
Chandigarh	0.18	0.23	10.22	11.79
Delhi #	26.72	21.74	362.62	242.99
Haryana	71.36	48.32	606.45	532.86
HP	79.77	63.51	1907.04	2137.76
J & K	13.17	15.95	389.79	276.84
Ladakh	0.00	0.00	0.00	0.00
Punjab	225.98	216.57	2232.84	1972.09
Rajasthan	1141.87	792.60	11684.91	9976.94
Uttar Pradesh	718.74	783.90	3703.20	4173.96
Uttarakhand	84.17	82.51	993.97	915.60
Northern Region	2361.96	2025.33	21891.03	20240.84
Chhattisgarh	79.68	59.59	880.14	803.97
Gujarat	1484.81	1025.57	14850.84	11852.52
Madhya Pradesh	625.34	565.69	6845.09	6925.90
Maharashtra	1125.42	1318.08	11743.66	12504.47
Dadra and Nagar Haveli	0.56	0.57	4.93	4.45
Daman & Diu	2.01	1.76	17.60	14.86
Goa	0.14	0.00	0.54	0.00
Western Region	3317.95	2971.25	34342.80	32106.16
Andhra Pradesh	779.00	839.74	11890.19	12524.12
Telangana	593.25	633.40	5468.77	5689.86
Karnataka	2302.64	1887.16	21382.97	18367.05
Kerala	49.84	45.72	701.02	664.57
Tamil Nadu	1071.45	763.38	17603.59	15468.68
Lakshadweep	0.06	0.08	0.53	1.02
Puducherry *	0.37	0.23	3.40	2.11
Southern Region	4796.61	4169.71	57050.47	52717.42
Andaman Nicobar	1.64	2.56	14.99	24.59
Bihar *	45.56	56.66	263.45	303.09
Jharkhand	1.31	1.56	13.53	15.48
Orissa	54.85	53.95	663.05	539.63
Sikkim *	6.92	1.41	57.88	26.04
West Bengal	92.27	130.57	1222.61	1339.81
DVC	1.28	0.81	1.60	2.62
Eastern Region	203.83	247.53	2237.10	2251.26
Arunachal Pradesh	0.20	0.18	1.80	1.46
Assam	1.52	1.69	54.26	18.26
Manipur	0.60	0.16	3.57	1.05
Meghalaya	5.36	3.57	56.01	43.98
Mizoram	3.10	4.10	43.76	31.84
Nagaland	5.05	3.22	69.62	82.08
Tripura *	2.73	6.46	22.23	73.94
North Eastern Region	18.56	19.39	251.25	252.61
All India Total	10698.91	9433.21	115772.65	107568.28

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 December 2019.

Solar power generation as of RE generation report of December 2019 .



Name of State/UT	RE generation data (Source wise) for the month of January 2020													(All fig. in MU)	
	Wind		Solar		Biomass		Bagasse		Small Hydro		Others				
	Current Year (January,2020)	Previous Year (January,2019)	Current Year (January,2020)	Previous Year (January,2019)	Current Year (January,2020)	Previous Year (January,2019)	Current Year (January,2020)	Previous Year (January,2019)	Current Year (January,2020)	Previous Year (January,2019)	Current Year (January,2020)	Previous Year (January,2019)	Current Year (January,2020)	Previous Year (January,2019)	
Chandigarh	0.00	0.00	0.18	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.23	
Delhi #	0.00	0.00	7.09	0.48	0.00	0.00	0.00	0.00	0.00	0.00	19.63	21.26	26.72	21.74	
Haryana	0.00	0.00	15.85	5.04	15.65	17.55	14.83	8.51	25.04	17.22	0.00	0.00	71.36	48.32	
HP	0.00	0.00	1.92	0.00	0.00	0.00	0.00	0.00	77.85	63.51	0.00	0.00	79.77	63.51	
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.17	15.95	0.00	0.00	13.17	15.95	
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Punjab	0.00	0.00	82.46	94.35	41.76	32.25	46.23	45.95	55.50	44.02	0.03	0.00	225.98	216.57	
Rajasthan	399.49	312.56	701.08	448.47	39.86	31.43	0.00	0.00	1.44	0.14	0.00	0.00	1141.87	792.60	
Uttar Pradesh	0.00	0.00	118.16	96.61	18.97	8.19	576.90	676.66	4.71	2.43	0.00	0.00	718.74	783.90	
Uttarakhand	0.00	0.00	18.94	23.08	0.00	0.00	23.65	24.32	41.58	35.11	0.00	0.00	84.17	82.51	
Northern Region	399.49	312.56	945.68	668.27	116.23	89.41	661.61	755.45	219.28	178.38	19.66	21.26	2361.96	2025.33	
Chhattisgarh	0.00	0.00	30.38	29.55	43.01	26.48	0.00	0.00	6.28	3.57	0.00	0.00	79.68	59.59	
Gujarat	1093.84	779.91	356.69	233.43	14.33	5.50	2.28	0.00	17.67	6.73	0.00	0.00	1484.81	1025.57	
Madhya Pradesh	260.92	229.07	309.67	293.73	0.12	0.14	24.17	24.32	27.25	14.95	3.22	3.47	625.34	565.69	
Maharashtra	269.85	224.15	205.42	207.47	43.40	37.60	546.90	781.95	59.80	66.79	0.05	0.11	1125.42	1318.08	
Dadra and Nagar Haveli	0.00	0.00	0.56	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.57	
Daman & Diu	0.00	0.00	2.01	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	1.76	
Goa	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	
Western Region	1624.61	1233.13	904.87	766.50	100.86	69.72	573.34	806.28	111.00	92.04	3.27	3.58	3317.95	2971.25	
Andhra Pradesh	217.35	367.77	506.42	394.84	13.28	15.43	6.57	37.87	34.65	23.15	0.74	0.68	779.00	839.74	
Telangana	19.20	18.31	530.77	560.67	11.37	13.21	28.59	30.09	3.03	1.53	0.29	9.59	593.25	633.40	
Karnataka	478.48	529.87	1221.55	759.16	13.79	15.77	496.02	531.69	92.81	50.68	0.00	0.00	2302.64	1887.16	
Kerala	7.95	6.70	13.99	11.98	0.00	0.00	0.00	0.00	27.90	27.03	0.00	0.00	49.84	45.72	
Tamil Nadu	572.88	373.64	439.66	326.80	7.69	15.59	22.16	26.77	29.06	20.58	0.00	0.00	1071.45	763.38	
Lakshadweep	0.00	0.00	0.06	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.08	
Puducherry *	0.00	0.00	0.37	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.23	
Southern Region	1295.85	1296.29	2712.82	2053.77	46.13	60.00	553.34	626.42	187.45	122.97	1.02	10.26	4796.61	4169.71	
Andaman Nicobar	0.00	0.00	0.90	1.44	0.00	0.00	0.00	0.00	0.74	1.12	0.00	0.00	1.64	2.56	
Bihar *	0.00	0.00	10.79	15.41	2.09	3.81	31.99	36.30	0.69	1.15	0.00	0.00	45.56	56.66	
Jharkhand	0.00	0.00	1.31	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	1.56	
Orissa	0.00	9.91	30.32	23.28	7.90	8.03	0.00	0.00	16.64	12.73	0.00	0.00	54.85	53.95	
Sikkim *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.92	1.41	0.00	0.00	6.92	1.41	
West Bengal	0.00	0.00	5.04	2.96	0.00	0.00	85.36	126.59	1.88	1.02	0.00	0.00	92.27	130.57	
DVC	0.00	0.00	0.005	0.01	0.00	0.00	1.28	0.81	0.00	0.00	0.00	0.00	1.28	0.81	
Eastern Region	0.00	9.91	48.35	44.65	9.99	11.84	118.62	163.70	26.86	17.42	0.00	0.00	203.83	247.53	
Arunachal Pradesh	0.00	0.00	0.16	0.12	0.00	0.00	0.00	0.00	0.04	0.06	0.00	0.00	0.20	0.18	
Assam	0.00	0.00	0.48	0.66	0.00	0.00	0.00	0.00	1.03	1.04	0.00	0.00	1.52	1.69	
Manipur	0.00	0.00	0.32	0.16	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.60	0.16	
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.36	3.57	0.00	0.00	5.36	3.57	
Mizoram	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	3.07	4.10	0.00	0.00	3.10	4.10	
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	3.22	0.00	0.00	5.05	3.22	
Tripura *	0.00	0.00	0.01	0.69	0.00	0.00	0.00	0.00	2.72	5.77	0.00	0.00	2.73	6.46	
North Eastern Region	0.00	0.00	1.00	1.63	0.00	0.00	0.00	0.00	17.57	17.76	0.00	0.00	18.56	19.39	
All India Total	3319.95	2851.89	4612.72	3534.81	273.21	230.98	1906.91	2351.84	562.16	428.57	23.95	35.11	10698.91	9433.21	

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 December 2019.

Solar power generation as of RE generation report of December 2019.

Monthly RE generation from Inter state Generating Station (ISGS) for January, 2020							
Station	State/ Region	Sector (Central/State/ Private)	Owner	Type	Installed Capacity	Actual Generation	Monthly CUF
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.41	11%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.58	14%
UNCHAHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	0.73	10%
MAHOBHA 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 LTD	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	47.04	25%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	53.12	29%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	52.85	24%
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	500	15.94	4%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	65.99	35%
Western Region **					2300	346.62	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	46.78	25%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	33.73	23%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	25.77	19%
BETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	50.2	7.04	19%
Southern Region **					687.2	113.32	
Total					4747.2	734.51	

* Data from REA Report of RLDCs

** Data From Daily RE Report of CEA

Renewable Energy Generation Data (CPSU Wise) for the month of January,2020

(All fig. in MU)

Name of CPSU	Name of State	Installed Capacity (MW)	Source	Actual Generation (MU) during December		Cumulative Generation (MU) for FY 2019-20 and 2018-19	
				January,2020	January,2019	April to January 2020	April to Janaury 2019
NTPC							
NTPC Faridabad _Solar	Haryana	5	Solar	0.45	0.49	5.30	5.88
NTPC Bhadla	Rajasthan	260	Solar	34.18	33.11	358.83	407.90
NTPC Dadri _Solar	Uttar Pradesh	5	Solar	0.43	0.50	5.10	5.82
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	0.91	0.00	11.42	12.47
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	1.60	1.76	16.54	19.78
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	1.00	0.00	8.60	10.11
NTPC Rojmal	Gujarat	50	Wind	5.00	5.38	91.57	85.22
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	6.16	7.19	60.37	70.35
NTPC Mandsaur	Madhya Pradesh	250	Solar	31.87	36.11	302.74	315.95
NTPC Anantapuram	Andhra Pradesh	250	Solar	36.48	39.61	321.40	376.00
NTPC Ramagundam	Telangana	10	Solar	1.21	1.33	11.49	13.35
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.46	0.61	3.85	5.04
NTPC Talchar _Solar	Orissa	10	Solar	1.09	1.12	11.18	12.55
Total NTPC		928		120.84	127.21	1208.40	1340.41
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	0.00		84.57	
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	21.25		138.20	
Total THDC		113		21.25		222.77	
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	4.07		29.93	
NHPC Solar Power Project	Tamilnadu	50	Solar	8.60		45.10	
Total NHPC		100		12.67		75.025	
ONGC*							
ONGC Wind, Bhuj	Gujarat	51	Wind	7.36		22.21	
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	6.72		25.64	
ONGC Solar, Goa	Goa	1	Solar	0.14		0.55	
ONGC Solar, Hazia	Gujarat	10	Solar	1.21		4.85	
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.54		2.20	
ONGC Solar,Rajahmundry	Andhra Pradesh	1	Solar	0.10		0.42	
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.35		1.50	
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.13		0.58	
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.236	Solar	0.11		0.43	
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.01		0.05	
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.01		0.03	
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		16.69		58.47	
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.6	Wind	1.28	0.00	50.81	
Sadla Wind Power	Gujarat	50	Solar	2.37	0.00	67.21	
Charanka Solar Power	Gujarat	5.6	Solar	0.71	0.00	5.05	
Total SJVN		103.2		4.35	0.00	123.06	
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	1.88	1.85	18.29	20.89
Oil India Ltd	Rajasthan	67.6	Wind	3.53	4.36	56.75	74.37
Oil India Ltd	Gujarat	43.3	Wind	8.28	6.81	89.13	89.83
Oil India Ltd	Madhya Pradesh	63.2	Wind	7.48	7.20	105.91	116.15
Total Oil India Ltd		188.1		21.17	20.22	270.09	301.23
NEEPCO							
NEEPCO	Tripura	5	Solar	0.52	0.69	9.40	34.40
All India Total		1615.21		197.49	148.12	1967.21	

Generation of CPSU owned RE generating stations is shown in respective state in sheet No.2 according to physical location so their generation should not be considered additional generation.

* Data has been provisionally as of RE generation report of December 2019.