



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

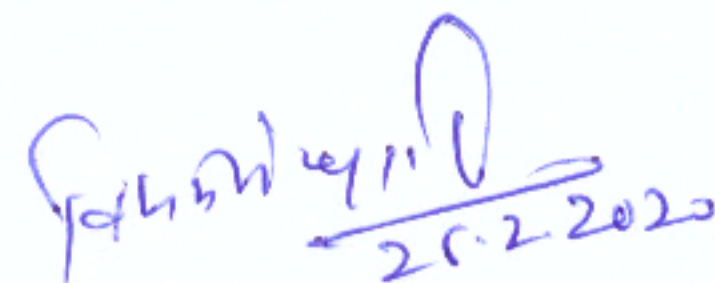
Central Electricity Authority

नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग

Renewable Energy Project Monitoring Division

विषय : संशोधित नवीकरणीय ऊर्जा उत्पादन रिपोर्ट माह दिसंबर 2019 के संबंध में ।

Please find herewith-Revised Renewable Energy generation Report for the month of December 2019 for kind reference.


26.2.2020

विजय मेंघानी/Vijay Menghani)

मुख्य अभियंता/Chief Engineer

सूची के अनुसार (As per attached list)

सं.के.वि.प्रा./योजना/आर.पी.एम-13/3/2020/1417

दिनांक: 26.02.2020



Revision-1 dated : 26/02/2020

Sub Report - 1

Period : December 2019

Central Electricity Authority / केन्द्रीय विद्युत प्राधिकरण
Renewable Energy Project Monitoring Division/नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग

1. SUMMARY-ALL INDIA

AN OVERVIEW

Category	Dec-19				April 2019-December 2019		
	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	37505.18	3948.74	2789.24	141.57	54401.94	53124.09	102.41
Solar	33730.56	3928.39	3182.12	123.45	34794.42	27794.92	125.18
Biomass	9861.31	239.09	247.01	96.79	2073.84	2035.81	101.87
Bagasse		1857.18	2311.49	80.35	5834.23	7451.18	78.30
Small Hydro	4671.557	701.69	516.72	135.80	7692.99	7410.48	103.81
Others	139.8	29.61	36.69	80.70	276.31	318.58	86.73
Total	85908.41	10704.71	9083.27	117.85	105073.73	98135.07	107.07

Reason for revision:-1) Actual generation data received late from the state of Haryana, Delhi and Bihar.Net impact of 51.65 MU .

2) Generation started from Betam Wind energy located at Tuticorin in Tamil Nadu .

Note : Net impact of 57.37 MU in Monthly RE generation of December 2019 .



Revision-1 dated : 26/02/2020

Renewable Energy Generation Data (State Wise) for the month of December, 2019

Name of State/UT	Actual Generation (MU) during December		Cumulative Generation (MU) for FY 2019-20 and 2018-19	
	December, 2019	December, 2018	April to December 2019	April to December 2018
Chandigarh	1.78	1.41	10.04	11.56
Delhi	29.28	22.82	335.90	221.25
Haryana	76.32	62.32	535.09	484.54
HP	86.53	84.99	1827.27	2074.25
J & K	18.23	18.86	376.62	260.89
Ladakh	0.00	0.00	0.00	0.00
Punjab	181.39	210.79	2006.86	1755.52
Rajasthan	1104.36	777.82	10543.04	9184.34
Uttar Pradesh	706.54	796.38	2984.46	3390.06
Uttarakhand	82.16	78.40	909.80	833.09
Northern Region	2286.59	2053.79	19529.07	18215.51
Chhattisgarh	85.49	69.81	800.46	744.38
Gujarat	1746.10	1007.54	13366.03	10826.95
Madhya Pradesh	621.76	556.00	6219.74	6360.21
Maharashtra	1062.26	1374.60	10618.24	11186.39
Dadra and Nagar Haveli	0.47	0.48	4.38	3.88
Daman & Diu	2.23	1.49	15.59	13.09
Goa	0.14	0.00	0.40	0.00
Western Region	3518.45	3009.92	31024.84	29134.91
Andhra Pradesh	683.54	811.52	11111.19	11684.38
Telangana	534.73	543.54	4875.52	5056.46
Karnataka	2348.83	1744.97	19080.32	16479.89
Kerala	67.14	47.18	651.18	618.85
Tamil Nadu	1027.32	631.36	16532.14	14705.30
Lakshadweep	0.05	0.11	0.47	0.94
Puducherry *	0.37	0.22	3.03	1.88
Southern Region	4661.98	3778.91	52253.85	48547.71
Andaman Nicobar	1.80	2.76	13.35	22.03
Bihar	45.56	48.18	217.89	246.42
Jharkhand	1.22	1.40	12.22	13.92
Orissa	53.11	53.76	608.20	485.68
Sikkim *	6.92	2.30	50.96	24.62
West Bengal	86.47	115.87	1130.34	1209.23
DVC	0.01	0.00	0.32	1.81
Eastern Region	195.08	224.26	2033.27	2003.73
Arunachal Pradesh	0.22	0.16	1.60	1.28
Assam	18.49	2.23	52.74	16.57
Manipur	1.24	0.15	2.97	0.89
Meghalaya	9.66	2.85	50.65	40.41
Mizoram	4.11	2.48	40.66	27.74
Nagaland	6.14	3.66	64.57	78.86
Tripura *	2.74	4.85	19.50	67.48
North Eastern Region	42.61	16.38	232.69	233.22
All India Total	10704.71	9083.27	105073.73	98135.07

for revision:-1) Actual generation data received from the state of Haryana, Delhi and Bihar.

2) Generation started from Betam Wind energy located at Tuticorin in Tamil Nadu

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



Revision-1 dated : 26/02/2020

(All fig. in MU)

Name of State/UT	RE generation data (Source wise) for the month of December 2019													
	Wind		Solar		Biomass		Bagasse		Small Hydro		Others			
	Current Year (December,2019)	Previous Year (December,2018)	Current Year (December,2019)	Previous Year (December,2018)	Current Year (December,2019)	Previous Year (December,2018)	Current Year (December,2019)	Previous Year (December,2018)	Current Year (December,2019)	Previous Year (December,2018)	Current Year (December,2019)	Previous Year (December,2018)	Current Year (December,2019)	Previous Year (December,2018)
Chandigarh	0.00	0.00	1.78	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.41
Delhi	0.00	0.00	7.09	0.51	0.00	0.00	0.00	0.00	0.00	0.00	22.19	22.31	29.28	22.82
Haryana	0.00	0.00	14.77	5.59	14.36	17.00	24.03	20.50	23.16	19.24	0.00	0.00	76.32	62.32
HP	0.00	0.00	2.03	0.00	0.00	0.00	0.00	0.00	84.50	84.99	0.00	0.00	86.53	84.99
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.23	18.86	0.00	0.00	18.23	18.86
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	55.39	98.04	39.01	34.17	34.28	27.36	52.68	51.22	0.03	0.00	181.39	210.79
Rajasthan	408.90	283.00	657.74	461.47	36.70	32.45	0.00	0.00	1.02	0.89	0.00	0.00	1104.36	777.81
Uttar Pradesh	0.00	0.00	93.35	102.39	10.22	8.41	600.23	683.69	2.75	1.90	0.00	0.00	706.54	796.38
Uttarakhand	0.00	0.00	19.24	19.01	0.00	0.00	20.37	17.96	42.55	41.43	0.00	0.00	82.16	78.40
Northern Region	408.90	283.00	851.38	688.42	100.28	92.02	678.91	749.50	224.90	218.53	22.22	22.31	2286.59	2053.79
Chhattisgarh	0.00	0.00	27.81	23.06	52.61	46.70	0.00	0.00	5.08	0.05	0.00	0.00	85.49	69.81
Gujarat	1384.15	786.01	328.26	208.49	10.74	5.36	3.77	0.00	19.17	7.68	0.00	0.00	1746.10	1007.54
Madhya Pradesh	298.80	247.64	269.85	265.71	0.12	0.09	22.20	20.22	27.94	21.14	2.85	1.21	621.76	556.00
Maharashtra	304.39	299.97	174.96	193.11	33.43	40.11	499.14	775.45	50.26	65.81	0.09	0.16	1062.26	1374.60
Dadra and Nagar Haveli	0.00	0.00	0.47	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.48
Daman & Diu	0.00	0.00	2.23	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	1.49
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	1987.34	1333.62	803.72	692.34	96.90	92.26	525.11	795.67	102.45	94.68	2.94	1.36	3518.45	3009.92
Andhra Pradesh	242.02	392.06	375.45	336.08	8.69	14.49	7.76	42.28	48.83	25.86	0.79	0.76	683.54	811.52
Telangana	20.46	18.50	471.75	463.07	6.62	13.09	27.86	31.86	4.38	4.75	3.66	12.27	534.73	543.54
Karnataka	682.61	476.75	995.77	648.58	11.76	12.72	494.48	527.05	164.22	79.88	0.00	0.00	2348.83	1744.97
Kerala	9.83	3.97	10.69	10.04	0.00	0.00	1.36	0.00	45.26	33.17	0.00	0.00	67.14	47.18
Tamil Nadu	597.59	272.05	374.78	301.66	8.97	14.89	12.16	22.78	33.83	19.98	0.00	0.00	1027.32	631.36
Lakshadweep	0.00	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11
Puducherry *	0.00	0.00	0.37	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.22
Southern Region	1552.51	1163.33	2228.86	1759.76	36.04	55.20	543.62	623.97	296.52	163.64	4.45	13.02	4661.98	3778.91
Andaman Nicobar	0.00	0.00	0.75	1.09	0.00	0.00	0.00	0.00	1.05	1.67	0.00	0.00	1.80	2.76
Bihar	0.00	0.00	10.79	13.84	2.09	0.99	31.99	33.34	0.69	0.01	0.00	0.00	45.56	48.18
Jharkhand	0.00	0.00	1.22	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	1.40
Orissa	0.00	9.29	25.79	21.15	3.78	6.54	0.00	0.00	23.54	16.77	0.00	0.00	53.11	53.76
Sikkim *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.92	2.30	0.00	0.00	6.92	2.30
West Bengal	0.00	0.00	4.76	2.65	0.00	0.00	77.55	109.02	4.16	4.20	0.00	0.00	86.47	115.87
DVC	0.00	0.00	0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Eastern Region	0.00	9.29	43.31	40.12	5.87	7.53	109.54	142.36	36.36	24.96	0.00	0.00	195.08	224.26
Arunachal Pradesh	0.00	0.00	0.18	0.10	0.00	0.00	0.00	0.00	0.04	0.06	0.00	0.00	0.22	0.16
Assam	0.00	0.00	0.68	0.63	0.00	0.00	0.00	0.00	17.82	1.60	0.00	0.00	18.49	2.23
Manipur	0.00	0.00	0.24	0.15	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.24	0.15
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.66	2.85	0.00	0.00	9.66	2.85
Mizoram	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	4.09	2.45	0.00	0.00	4.11	2.48
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.14	3.66	0.00	0.00	6.14	3.66
Tripura *	0.00	0.00	0.02	0.56	0.00	0.00	0.00	0.00	2.72	4.29	0.00	0.00	2.74	4.85
North Eastern Region	0.00	0.00	1.13	1.47	0.00	0.00	0.00	0.00	41.47	14.91	0.00	0.00	42.61	16.38
All India Total	3948.74	2789.24	3928.39	3182.12	239.09	247.01	1857.18	2311.49	701.69	516.72	29.61	36.69	10704.71	9083.27

Reason for revision:-1) Actual generation data received from the state of Haryana, Delhi and Bihar.

2) Generation started from Betam Wind energy located at Tuticorin in Tamil Nadu

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



Monthly RE generation from Inter state Generating Station (ISGS) for December , 2019

Station	State/ Region	Sector (Central/State/ Private)	Owner	Type	Installed Capacity	Actual Generation	Monthly CUF
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.33	9%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.44	13%
UNCHAHAH SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	0.58	8%
MAHOBHA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	37.89	25%
ACME CHITTORGARH ENERGY PVT LTD	Rajasthan	Private	IPP	Solar	250	25.6	14%
AZURE POWER INDIA PVT LTD	Rajasthan	Private	IPP	Solar	200	33.83	23%
AZURE POWER THIRTY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	130	24.31	25%
CLEAN SOLAR POWER (BHADLA) PVT LTD	Rajasthan	Private	IPP	Solar	300	10.49	
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	9.76	26%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	37.03	20%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	35.84	24%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	27.91	25%
Northern Region*					1760	245.01	
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	32.82	18%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	29.89	16%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	27.20	15%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	54.27	29%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	52.74	28%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	51.77	23%
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	500	12.31	3%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	78.52	42%
Western Region **					2300	339.52	
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	59.28	32%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	42.58	29%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	31.54	23%
BETAM (TUTICORIN)#	Tamil Nadu	Private	IPP	Wind	50.2	5.73	15%
Southern Region **					687.2	139.13	
Total					4747.2	723.66	

* Data from REA Report of RLDCs

** Data From Daily RE Report of CEA

Bold:- New addition this month.

Out of total plant capacity of 250.25 MW only 50.2 MW has been commissioned.



Renewable Energy Generation Data (CPSU Wise) for the month of December,2019

(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	
				December,2019	December,2018	April to December 2019	April to December 2018
NTPC							
NTPC Faridabad_Solar	Haryana	5	Solar	0.35	0.47	4.85	5.39
NTPC Bhadla	Rajasthan	260	Solar	34.05	36.43	324.65	374.79
NTPC Dadri_Solar	Uttar Pradesh	5	Solar	0.33	0.47	4.67	5.32
NTPC Unchahar_Solar	Uttar Pradesh	10	Solar	0.76	1.17	10.50	12.47
NTPC Singrauli_Solar	Uttar Pradesh	15	Solar	1.39	1.67	14.94	18.02
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	0.00	0.00	7.60	10.11
NTPC Rojmal	Gujarat	50	Wind	9.49	4.09	86.57	79.84
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	5.64	6.95	54.21	63.16
NTPC Mandsaur	Madhya Pradesh	250	Solar	29.18	34.02	270.87	279.84
NTPC Anantapuram	Andhra Pradesh	250	Solar	27.65	34.19	284.91	336.39
NTPC Ramagundam	Telangana	10	Solar	0.43	1.09	10.29	12.02
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.33	0.51	3.39	4.43
NTPC Talchar_Solar	Orissa	10	Solar	1.12	1.23	10.09	11.43
Total NTPC		928		110.70	122.29	1087.56	1213.20
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	8.74	0.00	84.57	0.00
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	19.44	0.00	138.20	0.00
Total THDC		113		28.18	0	222.77	0
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	4.62	0.00	30.48	0.00
NHPC Solar Power Project	Tamilnadu	50	Solar	7.60	0.00	44.10	0.00
Total NHPC		100		12.22	0.00	74.575	0
ONGC							
ONGC Wind, Bhuj	Gujarat	51	Wind	7.36	0.00	14.85	0.00
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	6.72	0.00	18.92	0.00
ONGC Solar, Goa	Goa	1	Solar	0.14	0.00	0.41	0.00
ONGC Solar, Hazia	Gujarat	10	Solar	1.21	0.00	3.64	0.00
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.54	0.00	1.65	0.00
ONGC Solar,Rajahmundry	Andhra Pradesh	1	Solar	0.10	0.00	0.32	0.00
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.35	0.00	1.15	0.00
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.13	0.00	0.45	0.00
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.236	Solar	0.11	0.00	0.33	0.00
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.01	0.00	0.04	0.00
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.01	0.00	0.02	0.00
ONGC Solar, Cauvery Assest Karaikal	Maharashtra	0.015	Solar	0.00	0.00	0.00	0.00
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00	0.00	0.00
Total ONGC		177.91		16.69	0.00	41.78	0.00
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.6	Wind	0.93	0.00	49.53	0.00
Sadla Wind Power	Gujarat	50	Solar	5.38	0.00	64.43	0.00
Charanka Solar Power	Gujarat	5.6	Solar	0.70	0.00	4.34	0.00
Total SJVN		103.2		7.01	0.00	118.31	0.00
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	1.87	2.06	16.41	19.04
Oil India Ltd	Rajasthan	67.6	Wind	3.18	3.84	53.22	70.01
Oil India Ltd	Gujarat	43.3	Wind	10.77	7.05	80.85	83.02
Oil India Ltd	Madhya Pradesh	63.2	Wind	8.38	6.85	98.44	108.95
Total Oil India Ltd		188.1		24.20	19.80	248.92	281.01
NEEPCO							
NEEPCO	Tripura	5	Solar			8.88	33.71
All India Total		1615.21		199.00	142.09	1802.79	1527.92

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.