



Sub Report - 1

Period : April 2020

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

1. SUMMARY-ALL INDIA

AN OVERVIEW

Category	Apr-20				April 2020-April 2020		
	Installed Capacity (MW) (as on 30.04.2020)	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	37745.85	3448.94	3707.28	93.03	3448.94	3707.28	93.03
Solar	34811.78	5338.90	4181.23	127.69	5338.90	4181.23	127.69
Biomass	9880.31	265.10	235.01	112.81	265.10	235.01	112.81
Bagasse		917.86	1201.29	76.41	917.86	1201.29	76.41
Small Hydro	4683.16	629.84	518.13	121.56	629.84	518.13	121.56
Others	147.64	33.18	38.77	85.57	33.18	38.77	85.57
Total	87268.74	10633.82	9881.70	107.61	10633.82	9881.70	107.61



Renewable Energy Generation Data (State Wise) for the month of April,2020		
Name of State/UT	Actual Generation (MU) during April	
	April,2020	April,2019
Chandigarh	2.67	2.32
Delhi #	30.34	40.32
Haryana	90.22	62.10
HP	196.06	164.62
J & K	51.31	40.17
Ladakh	0.00	0.00
Punjab *	227.11	229.58
Rajasthan	1401.79	976.50
Uttar Pradesh	709.17	668.07
Uttarakhand *	102.49	117.65
Northern Region	2811.15	2301.33
Chhattisgarh	133.60	86.89
Gujarat	1483.73	1369.75
Madhya Pradesh	754.06	762.37
Maharashtra	957.87	1140.76
Dadra and Nagar Haveli	0.64	0.70
Daman & Diu	2.57	2.12
Goa	0.15	0.00
Western Region	3332.61	3362.58
Andhra Pradesh	1006.09	983.60
Telangana	626.25	629.43
Karnataka	1755.99	1448.66
Kerala	55.89	48.74
Tamil Nadu	855.85	844.20
Lakshadweep	0.06	0.06
Puducherry *	0.37	0.27
Southern Region	4300.48	3954.98
Andaman Nicobar	1.16	2.57
Bihar	16.96	46.56
Jharkhand *	2.78	1.85
Orissa	64.17	72.24
Sikkim	2.14	2.32
West Bengal	86.77	123.30
DVC	0.001	0.01
Eastern Region	173.99	248.84
Arunachal Pradesh	0.22	0.15
Assam	2.95	2.02
Manipur *	0.32	0.16
Meghalaya	3.03	4.45
Mizoram	2.32	3.71
Nagaland	4.02	0.18
Tripura *	2.73	3.30
North Eastern Region	15.59	13.98
All India Total	10633.82	9881.70

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.



Name of State/UT	RE generation data (Source wise) for the month of April 2020													(All fig. in MU)	
	Wind		Solar		Biomass		Bagasse		Small Hydro		Others				
	Current Year (April,2020)	Previous Year (April,2019)	Current Year (April,2020)	Previous Year (April,2019)	Current Year (April,2020)	Previous Year (April,2019)	Current Year (April,2020)	Previous Year (April,2019)	Current Year (April,2020)	Previous Year (April,2019)	Current Year (April,2020)	Previous Year (April,2019)	Current Year (April,2020)	Previous Year (April,2019)	
Chandigarh	0.00	0.00	2.67	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	2.32	
Delhi #	0.00	0.00	8.46	13.34	0.00	0.00	0.00	0.00	0.00	0.00	21.88	26.98	30.34	40.32	
Haryana	0.00	0.00	19.30	7.18	13.87	14.66	25.72	16.06	31.33	24.20	0.00	0.00	90.22	62.10	
HP	0.00	0.00	2.88	0.00	0.00	0.00	0.00	0.00	193.18	164.62	0.00	0.00	196.06	164.62	
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.31	40.17	0.00	0.00	51.31	40.17	
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	115.63	141.73	30.36	26.32	30.63	31.61	50.47	29.92	0.02	0.00	227.11	229.58	
Rajasthan	467.33	414.20	899.25	527.89	35.15	34.39	0.00	0.00	0.06	0.01	0.00	0.00	1401.79	976.50	
Uttar Pradesh	0.00	0.00	154.38	123.89	25.38	10.66	527.04	530.37	2.37	3.15	0.00	0.00	709.17	668.07	
Uttarakhand*	0.00	0.00	37.89	36.12	0.00	0.00	23.02	13.88	41.58	67.65	0.00	0.00	102.49	117.65	
Northern Region	467.33	414.20	1240.45	852.48	104.75	86.03	606.41	591.91	370.30	329.71	21.90	26.98	2811.15	2301.33	
Chhattisgarh	0.00	0.00	33.14	34.81	88.35	47.94	3.23	0.00	8.87	4.14	0.00	0.00	133.60	86.89	
Gujarat	1046.06	1031.56	405.77	308.85	10.16	10.49	2.21	3.19	16.24	7.89	3.29	7.77	1483.73	1369.75	
Madhya Pradesh	347.63	414.14	391.23	324.00	0.10	0.23	0.00	10.68	12.74	10.89	2.35	2.43	754.06	762.37	
Maharashtra	418.95	513.13	246.55	233.28	19.96	34.28	187.22	309.56	85.18	50.39	0.01	0.13	957.87	1140.76	
Dadra and Nagar Haveli	0.00	0.00	0.64	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.70	
Daman & Diu	0.00	0.00	2.57	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57	2.12	
Goa	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	
Western Region	1812.64	1958.83	1080.06	903.75	118.57	92.94	192.66	323.43	123.03	73.30	5.65	10.33	3332.61	3362.58	
Andhra Pradesh	383.76	401.42	601.54	547.62	9.80	14.81	3.19	9.93	7.80	9.21	0.00	0.60	1006.09	983.60	
Telangana	13.93	6.23	590.56	607.54	15.30	10.19	0.00	4.12	0.83	0.49	5.63	0.86	626.25	629.43	
Karnataka	445.10	514.64	1226.38	791.54	10.05	14.09	31.49	91.95	42.97	36.46	0.00	0.00	1755.99	1448.66	
Kerala	4.16	4.84	14.83	11.75	0.00	0.00	1.63	0.00	35.27	32.16	0.00	0.00	55.89	48.74	
Tamil Nadu	322.03	390.61	516.29	400.11	2.73	8.66	7.08	40.15	7.72	4.67	0.00	0.00	855.85	844.20	
Lakshadweep	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	
Puducherry*	0.00	0.00	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.27	
Southern Region	1168.97	1317.74	2950.02	2358.89	37.88	47.75	43.39	146.15	94.60	82.99	5.63	1.46	4300.48	3954.98	
Andaman Nicobar	0.00	0.00	0.86	1.94	0.00	0.00	0.00	0.00	0.29	0.63	0.00	0.00	1.16	2.57	
Bihar	0.00	0.00	16.26	17.86	0.71	2.00	0.00	26.71	0.00	0.00	0.00	0.00	16.96	46.56	
Jharkhand *	0.00	0.00	2.78	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.78	1.85	
Orissa	0.00	16.52	40.53	36.60	3.19	6.29	0.00	20.45	12.83	0.00	0.00	0.00	64.17	72.24	
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	2.32	0.00	0.00	2.14	2.32	
West Bengal	0.00	0.00	6.84	6.44	0.00	0.00	75.40	113.08	4.53	3.78	0.00	0.00	86.77	123.30	
DVC	0.00	0.00	0.000	0.01	0.00	0.00	0.00	0.00	0.001	0.00	0.00	0.00	0.001	0.01	
Eastern Region	0.00	16.52	67.28	64.69	3.90	8.28	75.40	139.79	27.41	19.56	0.00	0.00	173.99	248.84	
Arunachal Pradesh	0.00	0.00	0.17	0.11	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.22	0.15	
Assam	0.00	0.00	0.56	0.49	0.00	0.00	0.00	0.00	2.39	1.53	0.00	0.00	2.95	2.02	
Manipur*	0.00	0.00	0.32	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.16	
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	4.45	0.00	0.00	3.03	4.45	
Mizoram	0.00	0.00	0.03	0.04	0.00	0.00	0.00	0.00	2.29	3.67	0.00	0.00	2.32	3.71	
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.02	0.18	0.00	0.00	4.02	0.18	
Tripura *	0.00	0.00	0.01	0.61	0.00	0.00	0.00	0.00	2.72	2.69	0.00	0.00	2.73	3.30	
North Eastern Region	0.00	0.00	1.09	1.41	0.00	0.00	0.00	0.00	14.49	12.57	0.00	0.00	15.59	13.98	
All India Total	3448.94	3707.28	5338.90	4181.23	265.10	235.01	917.86	1201.29	629.84	518.13	33.18	38.77	10633.82	9881.70	

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.



Monthly RE generation from Inter state Generating Station (ISGS) for April, 2020							
Station	State/ Region	Sector (Central/State/ Private)	Owner	Type	Installed Capacity	Actual Generation	Monthly CUF
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.60	17%
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.93	18%
UNCHAHAH SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	1.27	18%
KILAJ SOLAR (MAHARASHTRA) PVT LTD.	Rajasthan	Private	IPP	Solar	50	1.78	5%
MAHOBHA SOLAR (UP) PRIVATE LTD	Rajasthan	Private	IPP	Solar	200	44.774	31%
ACME CHITTORGARH ENERGY PVT LTD.	Rajasthan	Private	IPP	Solar	250	42.81	24%
AZURE POWER INDIA PVT	Rajasthan	Private	IPP	Solar	200	38.76	27%
AZURE POWER THIRTY FOUR PRIVATE LTD	Rajasthan	Private	IPP	Solar	130	28.46	30%
CLEAN SOLAR POWER (BHADLA) PVT LTD	Rajasthan	Private	IPP	Solar	300	64.91	30%
RENEW SOLAR POWER PVT LTD	Rajasthan	Private	IPP	Solar	50	11.09	31%
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	54.69	30%
SB ENERGY FOUR PVT LTD	Rajasthan	Private	IPP	Solar	200	42.58	30%
TATA POWER RENEWABLE ENERGY LTD	Rajasthan	Private	IPP	Solar	150	35.09	32%
Northern Region*					1810	368.74	28%
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	48.35	27%
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	50.27	28%
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	48.95	27%
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	43.22	24%
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	56.74	32%
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	59.85	28%
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	500	20.74	6%
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	61.37	34%
Western Region **					2300	389.48	24%
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	28.38	16%
ORANGE	Tamil Nadu	Private	IPP	Wind	200	22.81	16%
MYTRA	Tamil Nadu	Private	IPP	Wind	187	19.46	14%
BETAM (TITUCORIN)	Tamil Nadu	Private	IPP	Wind	50.2	6.01	17%
Southern Region **					687.2	76.66	
Total					4797.2	834.89	

* Data from REA Report of RPC.

** Data From Daily RE Report of CEA



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

(All fig. in MU)

Name of CPSU	Name of State	Installed Capacity (MW)	Source	Actual Generation (MU) during April		Cumulative Generation (MU) for FY 2019-20 and 2018-19	
				April,2020	April,2019	April to April 2020	April to April 2019
NTPC							
NTPC Faridabad _Solar	Haryana	5	Solar	0.68	0.66	0.68	0.66
NTPC Bhadla	Rajasthan	260	Solar	38.27	37.98	38.27	37.98
NTPC Dadri _Solar	Uttar Pradesh	5	Solar	0.66	0.62	0.66	0.62
NTPC Unchahar _Solar	Uttar Pradesh	10	Solar	1.42	1.44	1.42	1.44
NTPC Singrauli _Solar	Uttar Pradesh	15	Solar	2.03	2.01	2.03	2.01
NTPC Singrauli _SH	Uttar Pradesh	8	Small Hydro	2.35	0.70	2.35	0.70
NTPC Rojmal	Gujarat	50	Wind	5.14	10.99	5.14	10.99
NTPC Rajgarh _Solar	Madhya Pradesh	50	Solar	7.36	7.95	7.36	7.95
NTPC Mandsaur	Madhya Pradesh	250	Solar	35.96	38.82	35.96	38.82
NTPC Anantapuram	Andhra Pradesh	250	Solar	36.73	37.48	36.73	37.48
NTPC Ramagundam	Telangana	10	Solar	1.76	1.41	1.76	1.41
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.43	0.64	0.43	0.64
NTPC Talchar _Solar	Orissa	10	Solar	1.27	1.35	1.27	1.35
Total NTPC		928		134.07	142.06	134.07	142.06
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	7.96		7.96	
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	9.84		9.84	
Total THDC		113		17.80	0.00	17.80	0.00
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	3.30		2.60	
NHPC Solar Power Project	Tamilnadu	50	Solar	8.50		9.94	
Total NHPC		100		11.80	0.00	12.54	0.00
ONGC							
ONGC Wind, Bhuj	Gujarat	51	Wind	5.04		5.04	
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	9.46		9.46	
ONGC Solar, Goa	Goa	1	Solar	0.15		0.15	
ONGC Solar, Hazia	Gujarat	10	Solar	1.52		1.52	
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.80		0.80	
ONGC Solar,Rajahmundry	Andhra Pradesh	1	Solar	0.13		0.13	
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.43		0.43	
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.16		0.16	
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.236	Solar	0.14		0.14	
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.02		0.02	
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		17.83	0	17.83	0
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.6	Wind	3.71		2.77	
Sadla Wind Power	Gujarat	50	Solar	2.70		3.75	
Charanka Solar Power	Gujarat	5.6	Solar	0.89		0.80	
Total SJVN		103.2		7.30		7.33	0.00
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	2.14	2.23	2.14	2.23
Oil India Ltd	Rajasthan	67.6	Wind	3.58	2.44	3.58	2.44
Oil India Ltd	Gujarat	43.3	Wind	5.19	9.59	5.19	9.59
Oil India Ltd	Madhya Pradesh	63.2	Wind	12.57	12.20	12.57	12.20
Total Oil India Ltd		188.1		23.48	26.46	23.48	26.46
NEEPCO							
NEEPCO	Tripura	5	Solar	0.45	0.61	0.45	0.61
All India Total		1615.21		212.73	169.14	213.50	169.14

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.