

Sub Report - 1

Period : October 2019

**Central Electricity Authority
Renewable Energy Project Monitoring Division**

1. SUMMARY-ALL INDIA

AN OVERVIEW

Category	Oct-19				April 2019-October 2019		
	Installed Capacity (MW)	Actual	Actual Same Month	% Of Last Year (2/3)	ACTUAL	Actual Same Period	% Of Last Year (5/6)
			2018-19			2018-19	
	1	2	3	4	5	6	7
Wind	37090.02	2111.48	2819.96	74.88	47729.38	48161.39	99.10
Solar	31696.24	3882.41	3455.43	112.36	26929.21	21367.87	126.03
Biomass	9806.31	249.16	206.31	120.77	1627.09	1589.06	102.39
Bagasse		249.76	426.26	58.59	3114.35	3580.88	86.97
Small Hydro	4647.1	1110.11	872.37	127.25	6155.77	6205.51	99.20
Others	139.8	31.79	34.87	91.19	219.12	244.59	89.59
Total	83379.47	7634.73	7815.21	97.69	85774.92	81149.31	105.70

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

Name of State/UT	Actual Generation (MU) during October		Cumulative Generation (MU) for FY 2019-20 and 2018-19	
	October,2019	October,2018	April to October 2019	April to October 2018
Chandigarh	1.28	0.47	8.02	9.49
Delhi #	40.35	25.84	272.22	171.57
Haryana	70.51	60.97	406.39	392.23
HP	208.08	206.97	1609.65	1835.13
J & K	26.31	25.13	338.01	219.18
Ladakh	0.00	0.00	0.00	0.00
Punjab	177.90	163.55	1671.30	1360.07
Rajasthan	942.19	636.61	8408.98	7743.27
Uttar Pradesh	138.33	184.64	1817.43	2098.81
Uttarakhand	87.05	94.94	741.46	677.72
Northern Region	1691.99	1399.13	15273.45	14507.48
Chhattisgarh	140.09	67.03	625.68	611.16
Gujarat	894.22	518.56	10505.55	9219.17
Madhya Pradesh	462.32	474.50	5171.00	5400.73
Maharashtra	605.52	661.23	8942.55	8632.35
Dadra and Nagar Haveli	0.51	0.52	3.39	2.95
Daman & Diu	1.91	1.60	11.58	10.08
Goa	0.12	0.00	0.12	0.00
Western Region	2104.68	1723.43	25259.88	23876.44
Andhra Pradesh	573.01	884.10	9638.70	10061.18
Telangana	445.92	641.54	3794.99	3918.67
Karnataka	1731.53	1599.83	14730.08	13028.82
Kerala	96.29	73.29	504.13	510.94
Tamil Nadu	737.62	1215.01	14771.69	13484.22
Lakshadweep	0.05	0.09	0.37	0.75
* Puducherry	0.37	0.23	2.28	1.43
Southern Region	3584.77	4414.08	43442.23	41006.00
Andaman Nicobar	1.74	2.92	9.43	16.40
* Bihar	15.86	17.57	145.13	181.48
Jharkhand	1.20	1.79	9.78	10.96
Orissa	73.98	70.15	500.79	383.05
Sikkim	6.92	3.64	37.12	19.03
West Bengal	124.98	153.16	938.16	952.49
DVC	0.17	0.01	0.20	0.28
Eastern Region	224.84	249.23	1640.61	1563.69
Arunachal Pradesh	0.19	0.17	1.16	0.95
Assam	4.37	1.69	26.34	12.00
Manipur	0.24	0.13	1.23	0.59
Meghalaya	6.96	4.87	34.49	32.78
Mizoram	6.35	3.72	31.50	22.23
Nagaland	8.69	11.89	50.00	68.92
Tripura	1.63	6.87	14.03	58.22
North Eastern Region	28.44	29.33	158.76	195.70
All India Total	7634.73	7815.21	85774.92	81149.31

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 from RE generation report of September 2019.

Delhi Solar data has been taken from RE generation report of September 2019.

Name of State/UT	RE generation data (Source wise) for the month of October 2019												(All fig. in MU)		
	Wind		Solar		Biomass		Bagasse		Small Hydro		Others		Current Year (October,2019)	Previous Year (October,2018)	
	Current Year (October,2019)	Previous Year (October,2018)	Current Year (October,2019)	Previous Year (October,2018)	Current Year (October,2019)	Previous Year (October,2018)	Current Year (October,2019)	Previous Year (October,2018)	Current Year (October,2019)	Previous Year (October,2018)	Current Year (October,2019)	Previous Year (October,2018)			
Chandigarh	0.00	0.00	1.28	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.47
Delhi #	0.00	0.00	12.74	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.61	24.82	40.35	25.84
Haryana	0.00	0.00	18.04	6.46	17.01	15.24	0.00	0.00	35.46	39.27	0.00	0.00	0.00	70.51	60.97
HP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	208.08	206.97	0.00	0.00	0.00	208.08	206.97
J & K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.31	25.13	0.00	0.00	0.00	26.31	25.13
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	0.00
Punjab	0.00	0.00	109.38	117.84	30.73	33.12	0.00	0.00	37.74	12.59	0.05	0.00	0.00	177.90	163.55
Rajasthan	210.25	209.39	702.47	394.54	29.17	32.33	0.00	0.00	0.30	0.36	0.00	0.00	0.00	942.19	636.61
Uttar Pradesh	0.00	0.00	115.22	119.83	7.80	4.77	14.94	59.30	0.37	0.75	0.00	0.00	0.00	138.33	184.64
Uttarakhand	0.00	0.00	29.38	31.25	0.00	0.00	0.00	0.00	57.67	63.69	0.00	0.00	0.00	87.05	94.94
Northern Region	210.25	209.39	988.51	671.40	84.71	85.46	14.94	59.30	365.92	348.76	27.66	24.82	0.00	1691.99	1399.13
Chhattisgarh	0.00	0.00	28.39	32.54	87.04	30.35	0.00	0.00	24.66	4.14	0.00	0.00	0.00	140.09	67.03
Gujarat	578.45	299.89	285.67	203.22	6.86	7.27	0.00	0.00	23.25	8.18	0.00	0.00	0.00	894.22	518.56
Madhya Pradesh	158.49	164.49	268.64	295.90	0.14	0.17	0.00	0.00	31.47	10.85	3.58	3.08	0.00	462.32	474.50
Maharashtra	311.32	277.48	178.62	205.57	29.88	33.85	23.56	89.45	62.06	54.84	0.08	0.03	0.00	605.52	661.23
Dadra and Nagar Haveli	0.00	0.00	0.51	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.52
Daman & Diu	0.00	0.00	1.91	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	1.60
Goa	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
Western Region	1048.25	741.86	763.85	739.35	123.92	71.64	23.56	89.45	141.43	78.01	3.66	3.11	0.00	2104.68	1723.43
Andhra Pradesh	166.88	382.16	349.13	431.50	8.91	14.13	1.49	20.91	46.13	34.64	0.47	0.77	0.00	573.01	884.10
Telangana	8.31	18.09	417.72	584.12	9.55	10.58	0.11	12.35	10.23	10.24	0.00	6.17	0.00	445.92	641.54
Karnataka	396.13	570.75	896.69	709.95	9.61	9.70	83.74	93.38	345.36	216.05	0.00	0.00	0.00	1731.53	1599.83
Kerala	5.16	3.44	12.19	10.01	0.00	0.00	3.90	0.00	75.04	59.83	0.00	0.00	0.00	96.29	73.29
Tamil Nadu	276.50	890.35	398.71	259.06	8.37	9.05	25.63	20.53	28.41	36.03	0.00	0.00	0.00	737.62	1215.01
Lakshadweep	0.00	0.00	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09
* 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	0.00	0.37	0.23
Southern Region	852.97	1864.79	2074.86	1994.95	36.42	43.45	114.88	147.16	505.16	356.79	0.47	6.93	0.00	3584.77	4414.08
Andaman Nicobar	0.00	0.00	0.80	0.95	0.00	0.00	0.00	0.00	0.94	1.96	0.00	0.00	0.00	1.74	2.92
* Bihar	0.00	0.00	13.78	17.45	1.22	0.00	0.00	0.12	0.85	0.00	0.00	0.00	0.00	15.86	17.57
Jharkhand	0.00	0.00	1.20	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.79
Orissa	0.00	3.91	32.98	24.95	2.88	5.76	0.00	0.00	38.13	35.52	0.00	0.00	0.00	73.98	70.15
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.92	3.64	0.00	0.00	0.00	6.92	3.64
West Bengal	0.00	0.00	5.46	3.14	0.00	0.00	96.38	130.23	23.13	19.79	0.00	0.00	0.00	124.98	153.16
DVC	0.00	0.00	0.005	0.01	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.17	0.01
Eastern Region	0.00	3.91	54.23	48.29	4.10	5.76	96.38	130.35	70.13	60.91	0.00	0.00	0.00	224.84	249.23
Arunachal Pradesh	0.00	0.00	0.14	0.12	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.19	0.17
Assam	0.00	0.00	0.54	0.63	0.00	0.00	0.00	0.00	3.83	1.06	0.00	0.00	0.00	4.37	1.69
Manipur	0.00	0.00	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.13
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.96	4.87	0.00	0.00	0.00	6.96	4.87
Mizoram	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	6.33	3.72	0.00	0.00	0.00	6.35	3.72
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.69	11.89	0.00	0.00	0.00	8.69	11.89
Tripura	0.00	0.00	0.02	0.56	0.00	0.00	0.00	0.00	1.61	6.31	0.00	0.00	0.00	1.63	6.87
North Eastern Region	0.00	0.00	0.97	1.44	0.00	0.00	0.00	0.00	27.47	27.90	0.00	0.00	0.00	28.44	29.33
All India Total	2111.48	2819.96	3882.41	3455.43	249.16	206.31	249.76	426.26	1110.11	872.37	31.79	34.87	0.00	7634.73	7815.21

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 from RE generation report of September 2019.

Delhi Solar data has been taken from RE generation report of September 2019

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

Station	State/ Region	Sector (Central/State/Private)	Owner	Type	Installed Capacity	Actual Generation
DADRI SOLAR	Uttar Pradesh	Central	NTPC	Solar	5	0.58
SINGRAULI SOLAR	Uttar Pradesh	Central	NTPC	Solar	15	1.39
UNCHAHAHAR SOLAR	Uttar Pradesh	Central	NTPC	Solar	10	1.05
MAHOBA SOLAR (UP) PRIVATE LTD *	Rajasthan	Private	IPP	Solar	200	44.04
ACME CHITTORGARH ENERGY PVT LTD *	Rajasthan	Private	IPP	Solar	250	4.83
AZURE POWER INDIA PVT *** LTD	Rajasthan	Private	IPP	Solar	200	32.75
AZURE POWER THIRTY FOUR PRIVATE LTD ***	Rajasthan	Private	IPP	Solar	130	25.18
RENEW SOLAR POWER PVT *** LTD	Rajasthan	Private	IPP	Solar	50	10.33
RENEW SOLAR POWER PVT LTD. BIKANER	Rajasthan	Private	IPP	Solar	250	0.88
SB ENERGY FOUR PVT LTD *	Rajasthan	Private	IPP	Solar	200	40.84
TATA POWER RENEWABLE ENERGY LTD *	Rajasthan	Private	IPP	Solar	150	27.49
Northern Region					1460	189.36
ACME SOLAR (RAMNAGAR)	Madhya Pradesh	Private	IPP	Solar	250	33.79
ARINSUN SOLAR (BARSAITADESH)	Madhya Pradesh	Private	IPP	Solar	250	32.97
MAHINDRA SOLAR (BADWAR)	Madhya Pradesh	Private	IPP	Solar	250	29.99
RENEW SOLAR (BHUVAD)	Gujarat	Private	IPP	Solar	250	17.58
GIWEL-II WIND (VADVA)	Gujarat	Private	IPP	Wind	250	17.57
GIWEL-III WIND (NARANPAR)	Gujarat	Private	IPP	Wind	300	17.16
IWISL WIND (DAYAPAR)	Gujarat	Private	IPP	Wind	500	3.15
OSTRO WIND (KUTCH)	Gujarat	Private	IPP	Wind	250	31.27
Western Region **					2300	183.48
GREEN INFRA	Tamil Nadu	Private	IPP	Wind	250	20.31
ORANGE	Tamil Nadu	Private	IPP	Wind	200	9.93
MYTRA	Tamil Nadu	Private	IPP	Wind	187	21.06
Southern Region **					637	51.30
Total					4397	424.14

* Data from REA Report of RLDCs

** Data From Daily RE Report of CEA

*** Data as furnished generate ISGS generation

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

(All fig. in MU)

Name of CPSU	Name of State	Installed Capacity (MW)	Source	Actual Generation (MU) during October		Cumulative Generation (MU) for FY 2019-20 and 2018-19	
				October,2019	October,2018	April to October 2019	April to October 2018
				NTPC			
NTPC Faridabad_Solar	Haryana	5	Solar	0.55	0.56	4.10	3.98
NTPC Bhadla	Rajasthan	260	Solar	35.77	38.66	261.05	270.14
NTPC Dadri_Solar	Uttar Pradesh	5	Solar	0.54	0.41	3.93	3.95
NTPC Unchahar_Solar	Uttar Pradesh	10	Solar	1.08	1.41	8.66	8.98
NTPC Singrauli_Solar	Uttar Pradesh	15	Solar	1.40	2.05	11.90	12.69
NTPC Singrauli_SH	Uttar Pradesh	8	Small Hydro	0.00	0.00	7.60	10.11
NTPC Rojmal	Gujarat	50	Wind	4.85	2.82	73.45	70.99
NTPC Rajgarh_Solar	Madhya Pradesh	50	Solar	6.13	7.46	42.75	42.93
NTPC Mandsaur	Madhya Pradesh	250	Solar	31.24	2.82	212.66	181.58
NTPC Anantapuram	Andhra Pradesh	250	Solar	31.31	37.56	225.81	237.90
NTPC Ramagundam	Telangana	10	Solar	1.89	1.43	8.58	8.19
NTPC Andaman Nicobar	Andaman Nicobar	5	Solar	0.33	0.35	2.81	2.88
NTPC Talchar_Solar	Orissa	10	Solar	1.13	1.22	7.82	7.82
Total NTPC		928		116.20	96.75	871.11	862.13
THDC							
THDC Patan Wind Power Project	Gujarat	50	Wind	3.20	0.00	70.06	0.00
THDC Devbhumi Dwarka Wind Power Project	Gujarat	63	Wind	9.07	0.00	107.18	0.00
Total THDC		113		12.27	0	177.244	0
NHPC							
NHPC Wind Power Project	Rajasthan	50	Wind	1.93	0.00	21.24	0.00
NHPC Solar Power Project	Tamilnadu	50	Solar	6.80	0.00	28.90	0.00
Total NHPC		100		8.73	0	50.135	0
ONGC							
ONGC Wind, Bhuj	Gujarat	51	Wind	2.07	0.00		0.00
ONGC Wind, Jaisalmer	Rajasthan	102	Wind	3.93	0.00		0.00
ONGC Solar, Goa	Goa	1	Solar	0.12	0.00		0.00
ONGC Solar, Hazia	Gujarat	10	Solar	1.27	0.00		0.00
ONGC Solar, Ankleshwar	Gujarat	5	Solar	0.52	0.00		0.00
ONGC Solar,Rajahmundry	Andhra Pradesh	1	Solar	0.10	0.00		0.00
ONGC Solar, Rooftop (RTS) Gujarat	Gujarat	4.232	Solar	0.39	0.00		0.00
ONGC Solar, Assam (RTS)	Assam	1.645	Solar	0.16	0.00		0.00
ONGC Solar, Uttarkhand (RTS)	Uttarkhand	1.236	Solar	0.11	0.00		0.00
ONGC Solar, Agartala asset	Tripura	0.247	Solar	0.02	0.00		0.00
ONGC Solar, Mumbai (Uran & NBP green height)	Maharashtra	0.285	Solar	0.00	0.00		0.00
ONGC Solar, Cauvery Assesst Karaikal	Maharashtra	0.015	Solar	0.00	0.00		0.00
ONGC Solar,DDU Bhawan, (Under Maintenance)	Goa	0.25	Solar	0.00	0.00		0.00
Total ONGC		177.91		8.72	0.00	160.71	0.00
SJVN Limited							
Khirvire Wind Power	Maharashtra	47.6	Wind	2.21	0.00	47.65	0.00
Sadla Wind Power	Gujarat	50	Solar	3.76	0.00	55.04	0.00
Charanka Solar Power	Gujarat	5.6	Solar	0.32	0.00	3.07	0.00
Total SJVN		103.2		6.29	0.00	105.75	0.00
Oil India Ltd							
Oil India Ltd	Rajasthan	14	Solar	1.96	2.15	12.69	15.10
Oil India Ltd	Rajasthan	67.6	Wind	2.26	1.88	44.30	63.74
Oil India Ltd	Gujarat	43.3	Wind	5.06	3.27	65.56	72.02
Oil India Ltd	Madhya Pradesh	63.2	Wind	3.38	5.07	85.62	98.25
Total Oil India Ltd		188.1		12.66	12.37	208.17	249.12
NEEPCO							
*NEEPCO	Tripura	5	Solar	0.58	4.02	4.07	33.71
All India Total		1615.21		165.45	113.14	1577.20	1144.96

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.