

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

Subject: Monthly Generation report of various RE sources for November, 2018.

The Renewable Energy Generation source wise and state wise report for November 2018 is enclosed. This is for information and necessary action, if any.


स्नेहा

सहायक निदेशक

ह, वि.प्रा./योजना स्कंध/आर.पी.एम.-12/2018

दिनांक: 28-12-2018

Summary of All India Renewable Energy Generation (all figures in MU)												
Sl.No.	Source Name	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
1	Wind	3322.74	4441.09	8336.94	11365.27	11771.66	6093.34	2822.78	2181.03	50334.84	2435.91	42379.04
2	Solar	3178.88	3322.72	3012.37	2553.02	2635.79	3209.96	3452.61	3140.99	24506.35	2094.59	15092.04
3	Biomass	255.43	253.59	285.86	225.10	185.61	177.17	206.31	199.72	1788.80	277.11	2290.60
4	Bagasse	1263.94	728.01	393.48	319.56	218.28	231.36	426.26	1558.80	5139.69	1488.99	3908.03
5	Small Hydro	384.14	472.04	761.27	1193.60	1530.91	1001.29	872.37	678.16	6893.77	546.55	6119.55
6	Other	38.64	39.03	36.72	30.65	32.53	32.16	34.87	37.29	281.89	32.06	232.56
	Total	8443.78	9256.48	12826.64	15687.19	16374.77	10745.28	7815.21	7795.99	88945.34	6875.20	70021.83

Note 1) All figures are tentative

2) Data as received from SLDC of the respective states or from the electricity department

A comparative view of the All India Renewable Energy generation data is as given below:

All India Generation	During November,2018 (MU)	During October,2018 (MU)	% Growth in November,2018 vis-à-vis October,2018 (MU)
Wind	2181.03	2822.78	-22.73
Solar	3140.99	3452.61	-9.03
Biomass	199.72	206.31	-3.20
Bagasse	1558.80	426.26	265.69
Small Hydro	678.16	872.37	-22.26
Other	37.29	34.87	6.96
Total	7795.99	7815.21	-0.25

All India Generation	During November,2018 (MU)	During November,2017 (MU)	% Growth in November,2018 vis-à-vis November,2017
Wind	2181.03	2435.91	-10.46
Solar	3140.99	2094.59	49.96
Biomass	199.72	277.11	-27.93
Bagasse	1558.80	1488.99	4.69
Small Hydro	678.16	546.55	24.08
Other	37.29	32.06	16.33
Total	7795.99	6875.20	13.39

All India RE Generation	April,2018 to November,2018 (MU)	April,2017 to November,2017 (MU)	% Growth in April,2018-November,2018 vis-à-vis April,2017 - November,2017
Wind	50334.84	42379.04	18.77
Solar	24506.35	15092.04	62.38
Biomass	1788.80	2290.60	-21.91
Bagasse	5139.69	3908.03	31.52
Small Hydro	6893.77	6119.55	12.65
Other	281.89	232.56	21.21
Total	88945.34	70021.83	27.03

GENERATION from Various Renewable Energy Sources for the November 2018

(All figures in MU)

Sl. No.	State/Utility	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Total
1	Chandigarh	0.00	0.66	0.00	0.00	0.00	0.00	0.66
2	Delhi	0.00	0.85	0.00	0.00	0.00	26.02	26.86
3	Haryana	0.00	4.81	17.15	4.77	2.79	0.00	29.52
4	HP	0.00	0.00	0.00	0.00	154.13	0.00	154.13
5	J & K	0.00	0.00	0.00	0.00	22.84	0.00	22.84
6	Punjab	0.00	96.48	34.83	2.06	51.28	0.00	184.66
7	Rajasthan	181.89	305.11	30.68	0.00	0.71	0.00	518.39
8	Uttar Pradesh	0.00	97.73	5.93	386.89	0.88	0.00	491.43
9	Uttarakhand .	0.00	25.18	0.00	3.90	47.89	0.00	76.97
10	NTPC Dadri/FBD/Unchahar/Singrauli/B	0.00	38.02	0.00	0.00	0.00	0.00	38.02
11	Oil India Ltd (Rajasthan)	2.42	1.87	0.00	0.00	0.00	0.00	4.29
12	Chhattisgarh	0.00	30.30	30.30	0.00	2.81	0.00	63.41
13	NTPC Rajgarh/Raojmal/Mandsaur	2.38	38.75	0.00	0.00	0.00	0.00	41.13
14	Gujarat	384.10	199.86	5.45	0.00	4.50	0.00	593.91
15	Madhya Pradesh	119.35	215.39	0.13	4.09	19.27	2.65	360.87
16	Maharashtra	247.19	193.66	34.22	624.53	79.75	0.09	1179.44
17	Dadra and Nagar Haveli	0.00	0.46	0.00	0.00	0.00	0.00	0.46
18	Daman & Diu	0.00	1.52	0.00	0.00	0.00	0.00	1.52
19	Oil India Ltd (Madhya Pradesh & Gujrat)	7.79	0.00	0.00	0.00	0.00	0.00	7.79
20	Andhra Pradesh	390.52	329.56	11.10	28.46	19.09	0.79	779.52
21	Telangana	18.46	538.86	6.71	11.22	9.88	7.75	592.87
22	Karnataka	531.82	673.36	9.28	353.94	137.71	0.00	1706.10
23	Kerala	4.27	9.94	0.00	0.00	46.52	0.00	60.73
24	NTPC Ramagundam/Anantapuram	0.00	33.52	0.00	0.00	0.00	0.00	33.52
25	Tamil Nadu	286.92	258.88	10.53	13.48	19.91	0.00	589.72
26	Lakshadweep	0.00	0.08	0.00	0.00	0.00	0.00	0.08
27	Punducherry	0.00	0.23	0.00	0.00	0.00	0.00	0.23
28	Andaman & Nicobar	0.00	0.59	0.00	0.00	1.77	0.00	2.36
29	Bihar	0.00	16.11	0.00	0.65	0.01	0.00	16.77
30	Jharkhand	0.00	1.56	0.00	0.00	0.00	0.00	1.56
31	Odisha	3.91	21.81	3.42	0.00	18.54	0.00	47.68
32	Sikkim	0.00	0.00	0.00	0.00	3.29	0.00	3.29
33	West Bengal	0.00	2.57	0.00	124.81	13.50	0.00	140.88
34	DVC	0.00	0.01	0.00	0.00	1.52	0.00	1.53
35	NTPC Andaman/ Talcher	0.00	1.71	0.00	0.00	0.00	0.00	1.71
36	Arunachal Pradesh	0.00	0.10	0.00	0.00	0.06	0.00	0.16
37	Assam	0.00	0.61	0.00	0.00	1.74	0.00	2.34
38	Manipur	0.00	0.14	0.00	0.00	0.00	0.00	0.14
39	Meghalaya	0.00	0.00	0.00	0.00	4.78	0.00	4.78
40	Mizoram	0.00	0.03	0.00	0.00	3.00	0.00	3.03
41	Nagaland	0.00	0.00	0.00	0.00	6.27	0.00	6.27
42	Tripura	0.00	0.00	0.00	0.00	2.62	0.00	2.62
43	NEEPCO	0.00	0.68	0.00	0.00	1.11	0.00	1.79
	Total	2181.03	3140.99	199.72	1558.80	678.16	37.29	7795.99

Cumulative Generation in MU												
Sl.No	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
	Northern Region											
1	Chandigarh	1.69	0.27	3.05	0.26	3.49	0.26	0.47	0.66	10.15	0.22	5.31
2	Delhi	26.61	26.83	24.09	21.48	24.76	21.96	25.84	26.86	198.43	20.62	163.70
3	Haryana	45.23	33.46	50.87	91.40	52.80	54.08	60.41	29.52	417.76	47.71	382.66
4	HP	76.02	126.64	255.56	398.09	602.59	169.26	206.97	154.13	1989.26	66.35	1719.69
5	J & K	28.46	37.63	33.94	36.59	31.58	25.85	25.13	22.84	242.03	16.22	261.07
6	Punjab	241.92	204.62	244.40	189.16	149.73	166.69	163.55	184.66	1544.73	146.45	1476.76
7	Rajasthan	925.55	975.27	1367.97	1292.84	1260.09	978.64	593.92	518.39	7912.68	542.99	6854.77
8	Uttar Pradesh	702.54	526.14	278.22	165.18	89.44	120.78	180.77	491.43	2554.50	545.72	1671.03
9	Uttarakhand	86.18	89.90	104.47	103.99	98.14	100.10	94.94	76.97	754.69	92.00	831.57
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla	45.90	47.67	41.69	44.51	44.51	42.48	43.10	38.02	347.87	38.46	315.52
11	Oil India Ltd Rajasthan	10.32	10.77	15.89	15.76	14.25	7.88	4.03	4.29	83.18	5.16	88.47
	Sub Total (Northern Region)	2190.41	2079.21	2420.15	2359.25	2371.38	1687.97	1399.13	1547.76	16055.27	1521.91	13770.55
	Western Region											
1	Chhattisgarh	89.96	101.67	129.54	80.25	67.07	75.65	67.03	63.41	674.57	80.72	754.44
2	NTPC Rajgarh/Rajmal/Mandsaur	50.98	56.29	56.07	39.98	39.65	39.41	45.60	41.13	369.12	38.44	201.71
3	Gujarat	949.21	1394.81	1816.92	1800.41	1615.14	987.20	512.47	593.91	9670.07	688.09	8502.24
4	Madhya Pradesh	701.77	864.70	889.73	743.12	792.59	626.94	426.64	360.87	5406.34	334.80	4444.05
5	Maharashtra	1002.25	1068.75	1352.06	1944.79	1819.01	784.26	661.23	1179.44	9811.79	901.17	7587.08
6	Dadra and Nagar Haveli	0.62	0.52	0.38	0.19	0.29	0.43	0.52	0.46	3.41	0.48	3.20
7	Daman & Diu	1.94	1.84	1.42	0.62	1.09	1.58	1.60	1.52	11.60	1.59	12.20
8	Oil India Ltd Madhya Pradesh & Gujrat	22.20	29.70	32.04	28.55	29.17	20.27	8.34	7.79	178.07	5.96	98.95
	Sub Total (Western Region)	2818.92	3518.28	4278.16	4637.91	4364.01	2535.73	1723.43	2248.54	26124.98	2051.25	21603.88
	Southern Region											
1	Andhra Pradesh	825.35	853.53	1666.88	2212.39	2333.85	1084.74	846.54	779.52	10602.81	579.57	7422.14
2	Telangana	606.09	622.33	552.53	471.64	457.85	559.93	640.11	592.87	4503.35	434.97	2444.51
3	Karnataka	972.83	1229.44	1974.17	2683.95	2861.24	1707.36	1599.83	1706.10	14734.92	956.26	8877.11
4	Kerala	32.61	46.58	84.81	106.39	95.79	71.48	73.29	60.73	571.67	62.32	592.92
5	NTPS Ramagundam/Anantapuram	39.75	38.42	33.86	29.75	30.18	35.14	38.99	33.52	279.61	27.73	269.81
6	Tamil Nadu	721.98	624.69	1584.86	2929.86	3608.05	2799.77	1215.01	589.72	14073.94	1031.06	13190.78
7	Lakshadweep	0.17	0.11	0.08	0.09	0.10	0.11	0.09	0.08	0.83	0.14	1.20
8	Ponducherry	0.08	0.17	0.27	0.21	0.20	0.27	0.23	0.23	1.66	0.06	0.96
	Sub Total (Southern Region)	3198.86	3415.27	5897.46	8434.28	9387.25	6258.81	4414.08	3762.78	44768.78	3092.10	32799.43
	Eastern Region											
1	Andaman Nicobar	1.37	1.35	1.70	2.01	2.08	2.44	2.57	2.36	15.88	1.77	13.30
2	Bihar	44.95	35.06	29.25	21.00	16.69	16.96	17.57	16.77	198.25	16.42	115.06
3	Jharkhand	1.94	1.56	1.47	1.24	1.38	1.59	1.79	1.56	12.52	1.63	12.64
4	Orissa	43.08	48.20	43.67	51.29	53.74	66.31	68.93	47.68	422.90	27.12	378.18
5	Sikkim	2.14	4.68	0.93	0.79	0.73	6.14	3.64	3.29	22.32	1.63	25.95
6	West Bengal	125.53	131.08	131.88	142.49	139.26	129.10	153.16	140.88	1093.37	131.10	1065.52
7	DVC	0.01	0.00	0.01	0.24	0.01	0.01	0.01	1.53	1.81	0.32	8.72
8	NTPC Andman+Talchar	1.96	1.89	1.42	1.16	1.27	1.43	1.57	1.71	12.41	1.67	12.84
	Sub Total (Eastern Region)	220.98	223.82	210.32	220.20	215.16	223.97	249.23	215.78	1779.46	181.66	1632.20
	North Eastern Region											
1	Arunachal Pradesh	0.11	0.14	0.11	0.12	0.16	0.14	0.17	0.16	1.12	0.07	0.54
2	Assam	1.61	1.11	1.49	2.08	2.20	1.82	1.69	2.34	14.34	2.36	15.94
3	Manipur	0.05	0.04	0.03	0.05	0.15	0.15	0.13	0.14	0.73		0.03
4	Meghalaya	6.09	4.21	3.68	3.47	3.45	7.01	4.87	4.78	37.56	5.59	51.26
5	Mizoram	1.83	3.44	3.22	3.34	3.38	3.31	3.72	3.03	25.26	4.07	43.82
6	Nagaland		6.38	8.61	12.92	14.92	14.20	11.89	6.27	75.20	12.21	71.52
7	Tripura	4.34	3.98	2.89	2.93	4.03	3.68	2.85	2.62	27.32	3.31	28.31
8	Neepco	0.60	0.60	0.50	10.63	8.69	8.49	4.02	1.79	35.32	0.67	4.35
	Sub Total (North Eastern Region)	14.62	19.90	20.54	35.54	36.97	38.80	29.34	21.14	216.85	28.29	215.77
	Total	8443.78	9256.48	12826.64	15687.19	16374.77	10745.28	7815.21	7795.99	88945.34	6875.20	70021.83

Note:

1) Data as received from SLDC/Electricity Department of the respective states or from the electricity department

2) 25 MW Khopli-II project of NEEPCO located in Assam is considered under Small Hydro w.e.f 01.07.2018. Earlier it was considered under Hydro.

3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.

Wind Generation in MU												
Sl.No.	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
	Northern Region											
1	Chandigarh											
2	Delhi											
3	Haryana											
4	HP											
5	J & K											
6	Punjab											
7	Rajasthan	544.35	579.13	1021.86	936.86	897.99	594.71	207.51	181.89	4964.30	221.50	4440.84
8	Uttar Pradesh											
9	Uttarakhand											
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla											
11	Oil India Ltd Rajasthan	8.19	8.47	13.75	13.50	12.13	5.82	1.88	2.42	66.16	3.18	71.33
	Sub Total (Northern Region)	552.54	587.60	1035.61	950.36	910.12	600.53	209.39	184.31	5030.45	224.68	4512.16
	Western Region											
1	Chhattisgarh											
2	NTPC Raigarh/Rajmal/Mandsaur	7.15		17.05	13.13	13.64	6.80	2.82	2.38	62.96	3.57	20.44
3	Gujarat	717.45	1167.64	1633.15	1660.69	1480.61	802.54	296.62	384.10	8142.80	512.11	7177.10
4	Madhya Pradesh	453.04	628.34	698.77	606.48	653.51	433.85	159.42	119.35	3752.75	143.42	3203.82
5	Maharashtra	404.44	656.24	1080.15	1702.39	1553.83	514.67	277.48	247.19	6436.39	225.79	5562.54
6	Dadra and Nagar Haveli											
7	Daman & Diu											
8	Oil India Ltd Madhya Pradesh & Gujrat	22.20	29.70	32.04	28.55	29.17	20.27	8.34	7.79	178.07	5.96	98.95
	Sub Total (Western Region)	1604.27	2481.92	3461.16	4011.23	3730.76	1778.12	744.69	760.81	18572.97	890.85	16062.86
	Southern Region											
1	Andhra Pradesh	369.77	404.73	1269.47	1837.24	1928.40	618.32	382.16	390.52	7200.63	232.09	4947.26
2	Telangana	15.37	14.44	31.09	46.04	42.25	14.80	18.09	18.46	200.54	14.96	152.85
3	Karnataka	385.25	613.35	1260.10	1895.31	1878.93	694.45	570.75	531.82	7829.96	353.79	5832.19
4	Kerala	4.27	6.51	16.51	21.54	19.66	10.83	3.44	4.27	87.02	4.41	75.65
5	NTPS Ramagundam/Anantapuram											
6	Tamil Nadu	391.28	332.54	1250.72	2603.54	3260.38	2370.59	890.35	286.92	11386.32	715.14	10796.07
7	Lakshadweep											
8	Ponducherry											
	Sub Total (Southern Region)	1165.93	1371.58	3827.89	6403.68	7129.62	3708.99	1864.79	1232.00	26704.47	1320.38	21804.02
	Eastern Region											
1	Andaman Nicobar											
2	Bihar			12.28						12.28		
3	Jharkhand											
4	Orissa					1.15	5.70	3.91	3.91	14.68		
5	Sikkim											
6	West Bengal											
7	DVC											
8	NTPC Andman+Talchar											
	Sub Total (Eastern Region)			12.28		1.15	5.70	3.91	3.91	26.95		
	North Eastern Region											
1	Arunachal Pradesh											
2	Assam											
3	Manipur											
4	Meghalaya											
5	Mizoram											
6	Nagaland											
7	Tripura											
8	Neepco											
	Sub Total (North Eastern Region)											
	Total	3322.74	4441.09	8336.94	11365.27	11771.66	6093.34	2822.78	2181.03	50334.84	2435.91	42379.04

Note:

- 1) Data as received from SLDC/Electricity Department of the respective states or from the electricity department
- 2) 25 MW Khopli-II project of NEEPCO located in Assam is considered under Small Hydro w.e.f 01.07.2018. Earlier it was considered under Hydro.
- 3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.

Solar Generation in MU												
Sl.No.	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
Northern Region												
1	Chandigarh	1.69	0.27	3.05	0.26	3.49	0.26	0.47	0.66	10.15	0.22	5.31
2	Delhi	1.25	1.29	1.26	1.12	1.04	0.97	1.02	0.85	8.81	0.77	9.20
3	Haryana	6.52	6.50	5.42	5.01	5.24	5.37	5.90	4.81	44.77	4.13	42.44
4	HP											
5	J & K											
6	Punjab	149.55	135.42	180.25	119.50	130.71	119.88	117.84	96.48	1049.63	78.27	976.73
7	Rajasthan	352.53	369.95	318.41	332.00	339.80	363.95	353.73	305.11	2735.48	291.80	2187.72
8	Uttar Pradesh	101.95	107.38	95.66	77.53	75.62	94.49	115.96	97.73	766.31	55.95	354.82
9	Uttarakhand	30.52	29.90	31.61	25.74	20.71	23.10	31.25	25.18	218.01	23.15	199.84
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla	43.86	45.65	39.67	42.49	42.49	42.48	43.10	38.02	337.76	38.46	315.52
11	Oil India Ltd Rajasthan	2.12	2.31	2.13	2.26	2.12	2.06	2.16	1.87	17.02	1.99	17.14
Sub Total (Northern Region)		690.00	698.67	677.47	605.90	621.21	652.56	671.41	570.72	5187.94	494.75	4108.72
Western Region												
1	Chhattisgarh	31.71	32.10	28.25	19.83	17.91	27.26	32.54	30.30	219.90	9.53	75.21
2	NTPC Rajgarh/Rajmal/Mandsaur	43.83	56.29	39.02	26.86	26.01	32.61	42.78	38.75	306.16	34.87	181.26
3	Gujarat	220.50	216.23	173.97	126.27	120.47	169.68	200.40	199.86	1427.38	167.67	1277.67
4	Madhya Pradesh	220.50	224.59	180.03	122.44	123.16	171.15	253.11	215.39	1510.37	167.33	1115.29
5	Maharashtra	165.25	203.95	160.48	123.00	127.68	175.46	205.57	193.66	1355.05	107.83	625.87
6	Dadra and Nagar Haveli	0.62	0.52	0.38	0.19	0.29	0.43	0.52	0.46	3.41	0.48	3.20
7	Daman & Diu	1.94	1.84	1.42	0.62	1.09	1.58	1.60	1.52	11.60	1.59	12.20
8	Oil India Ltd Madhya Pradesh & Guirat											
Sub Total (Western Region)		684.35	735.52	583.55	419.20	416.62	578.17	736.52	679.94	4833.86	489.30	3290.70
Southern Region												
1	Andhra Pradesh	395.88	398.47	345.57	325.66	343.49	407.67	393.94	329.56	2940.24	290.61	2227.15
2	Telangana	557.38	577.55	493.82	399.51	393.03	516.43	582.69	538.86	4059.27	384.40	2062.24
3	Karnataka	507.37	548.50	534.43	457.42	501.15	649.92	709.95	673.36	4582.10	165.10	1039.35
4	Kerala	0.77	9.17	6.27	7.86	9.91	10.40	10.01	9.94	64.34	7.46	35.79
5	NTPS Ramagundam/Anantapuram	39.75	38.42	33.86	29.75	30.18	35.14	38.99	33.52	279.61	27.73	269.81
6	Tamil Nadu	254.04	268.37	312.00	272.75	281.18	316.03	259.06	258.88	2222.30	208.42	1782.87
7	Lakshadweep	0.17	0.11	0.08	0.09	0.10	0.11	0.09	0.08	0.83	0.14	1.20
8	Ponducherry	0.08	0.17	0.27	0.21	0.20	0.27	0.23	0.23	1.66	0.06	0.96
Sub Total (Southern Region)		1755.44	1840.76	1726.32	1493.25	1559.23	1935.96	1994.95	1844.43	14150.35	1083.92	7419.36
Eastern Region												
1	Andaman Nicobar	0.65	0.53	0.33	0.42	0.47	0.56	0.60	0.59	4.16	0.59	4.13
2	Bihar	19.22	17.91		11.59	14.01	15.64	17.45	16.11	111.94	12.18	90.25
3	Jharkhand	1.94	1.56	1.47	1.24	1.38	1.59	1.79	1.56	12.52	1.63	12.64
4	Orissa	20.88	21.11	17.95	16.70	16.46	20.94	23.73	21.81	159.57	7.52	131.90
5	Sikkim											
6	West Bengal	3.17	3.49	2.75	2.40	3.78	1.85	3.14	2.57	23.14	1.70	12.85
7	DVC	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.04	0.01	0.04
8	NTPC Andman+Talchar	1.96	1.89	1.42	1.16	1.27	1.43	1.57	1.71	12.41	1.67	12.84
Sub Total (Eastern Region)		47.83	46.48	23.93	33.50	37.39	42.01	48.29	44.34	323.78	25.30	264.65
North Eastern Region												
1	Arunachal Pradesh	0.09	0.11	0.08	0.09	0.10	0.09	0.12	0.10	0.79	0.01	0.08
2	Assam	0.53	0.55	0.48	0.47	0.53	0.47	0.63	0.61	4.26	0.64	4.15
3	Manipur	0.05	0.04	0.03	0.05	0.15	0.15	0.13	0.14	0.73		0.03
4	Meghalaya											
5	Mizoram								0.03	0.03		
6	Nagaland											
7	Tripura											
8	Neepco	0.60	0.60	0.50	0.55	0.57	0.54	0.56	0.68	4.60	0.67	4.35
Sub Total (North Eastern Region)		1.26	1.30	1.10	1.16	1.34	1.25	1.44	1.56	10.42	1.32	8.61
Total		3178.88	3322.72	3012.37	2553.02	2635.79	3209.96	3452.61	3140.99	24506.35	2094.59	15092.04

Note:

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- 3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.

Biomass Generation in MU												
Sl.No.	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
Northern Region												
1	Chandigarh											
2	Delhi											
3	Haryana	16.84	16.92	14.38	16.36	16.44	16.58	15.24	17.15	129.90	17.19	130.84
4	HP											
5	J & K											
6	Punjab	31.10	28.00	35.00	35.96	6.00	25.47	33.12	34.83	229.48	45.19	319.91
7	Rajasthan	28.67	26.18	27.68	23.90	22.19	19.80	32.33	30.68	211.43	28.66	223.68
8	Uttar Pradesh	10.45	9.14	11.42	7.46	7.69	8.51	4.77	5.93	65.37	8.05	82.96
9	Uttarakhand											
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla											
11	Oil India Ltd Rajasthan											
Sub Total (Northern Region)		87.06	80.24	88.47	83.68	52.31	70.36	85.46	88.59	636.17	99.09	757.39
Western Region												
1	Chhattisgarh	54.60	68.06	92.59	44.61	40.32	24.67	30.35	30.30	385.50	70.50	662.40
2	NTPC Rajgarh/Rajmal/Mandsaur											
3	Gujarat	6.10	6.84	6.41	5.88	4.76	4.15	7.27	5.45	46.86	3.33	18.18
4	Madhya Pradesh	0.18	0.18	0.18	0.22	0.19	0.14	0.17	0.13	1.38	2.81	20.46
5	Maharashtra	37.49	38.93	33.96	35.60	36.34	32.63	33.85	34.22	283.02	44.96	346.53
6	Dadra and Nagar Haveli											
7	Daman & Diu											
8	Oil India Ltd Madhya Pradesh & Guirat											
Sub Total (Western Region)		98.37	114.01	133.15	86.31	81.60	61.59	71.64	70.10	716.76	121.60	1047.57
Southern Region												
1	Andhra Pradesh	20.62	20.42	21.24	17.75	18.16	14.50	14.13	11.10	137.91	13.51	133.48
2	Telangana	14.23	14.59	16.26	14.64	10.52	9.13	10.58	6.71	96.65	14.66	107.18
3	Karnataka	11.95	11.69	13.42	12.42	15.10	13.40	9.70	9.28	96.96	11.08	89.24
4	Kerala											
5	NTPS Ramagundam/Anantapuram											
6	Tamil Nadu	14.69	5.71	7.83	5.19	6.73	5.37	9.05	10.53	65.10	12.82	132.89
7	Lakshadweep											
8	Ponducherry											
Sub Total (Southern Region)		61.50	52.41	58.75	50.01	50.51	42.39	43.45	37.62	396.63	52.07	462.79
Eastern Region												
1	Andaman Nicobar											
2	Bihar	2.03								2.03	0.22	2.20
3	Jharkhand											
4	Orissa	6.48	6.94	5.49	5.10	1.19	2.83	5.76	3.42	37.21	4.12	20.66
5	Sikkim											
6	West Bengal											
7	DVC											
8	NTPC Andman+Talchar											
Sub Total (Eastern Region)		8.51	6.94	5.49	5.10	1.19	2.83	5.76	3.42	39.24	4.34	22.86
North Eastern Region												
1	Arunachal Pradesh											
2	Assam											
3	Manipur											
4	Meghalaya											
5	Mizoram											
6	Nagaland											
7	Tripura											
8	Neepeco											
Sub Total (North Eastern Region)												
Total		255.43	253.59	285.86	225.10	185.61	177.17	206.31	199.72	1788.80	277.11	2290.60

Note:

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- 3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.

Bagasse Generation in MU												
Sl.No	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
	Northern Region											
1	Chandigarh											
2	Delhi											
3	Haryana	7.91	10.04	10.64	42.23				4.77	75.58	8.41	29.63
4	HP											
5	J & K											
6	Punjab	35.18	23.00	14.50	16.60				2.06	91.34	15.73	48.48
7	Rajasthan											
8	Uttar Pradesh	588.34	407.85	169.39	78.93	4.97	16.66	59.30	386.89	1712.32	478.76	1213.48
9	Uttarakhand	17.73	0.48						3.90	22.11	11.45	37.17
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla											
11	Oil India Ltd Rajasthan											
	Sub Total (Northern Region)	649.16	441.37	194.52	137.76	4.97	16.66	59.30	397.62	1901.36	514.35	1328.75
	Western Region											
1	Chhattisgarh											
2	NTPC Rajgarh/Rajmal/Mandsaur											
3	Gujarat											
4	Madhya Pradesh	17.69	1.14						4.09	22.92		0.90
5	Maharashtra	320.94	113.87	41.25	23.31	8.12	2.58	89.45	624.53	1224.05	485.57	669.70
6	Dadra and Nagar Haveli											
7	Daman & Diu											
8	Oil India Ltd Madhya Pradesh & Gujrat											
	Sub Total (Western Region)	338.62	115.02	41.25	23.31	8.12	2.58	89.45	628.62	1246.97	485.57	670.60
	Southern Region											
1	Andhra Pradesh	30.54	25.83	26.20	26.20	26.71	12.69	20.91	28.46	197.54	13.23	38.48
2	Telangana	12.26	9.02	1.41	0.07		3.12	12.35	11.22	49.45	6.89	29.49
3	Karnataka	47.05	10.70	0.32	2.11	54.81	77.36	93.38	353.94	639.66	294.34	529.56
4	Kerala											
5	NTPS Ramaqundam/Anantapuram											
6	Tamil Nadu	56.41	16.09	4.18	5.77	8.50	10.48	20.53	13.48	135.43	64.00	377.41
7	Lakshadweep											
8	Ponducherry											
	Sub Total (Southern Region)	146.27	61.64	32.10	34.15	90.02	103.65	147.16	407.10	1022.08	378.46	974.94
	Eastern Region											
1	Andaman Nicobar											
2	Bihar	23.66		16.98	7.44	1.43	0.11	0.12	0.65	50.39	3.97	16.11
3	Jharkhand											
4	Orissa											
5	Sikkim											
6	West Bengal	106.23	109.98	108.62	116.90	113.75	108.36	130.23	124.81	918.89	106.64	917.63
7	DVC											
8	NTPC Andman+Talchar											
	Sub Total (Eastern Region)	129.89	109.98	125.60	124.34	115.18	108.47	130.35	125.46	969.28	110.61	933.74
	North Eastern Region											
1	Arunachal Pradesh											
2	Assam											
3	Manipur											
4	Meghalaya											
5	Mizoram											
6	Nagaland											
7	Tripura											
8	Neepco											
	Sub Total (North Eastern Region)											
	Total	1263.94	728.01	393.48	319.56	218.28	231.36	426.26	1558.80	5139.69	1488.99	3908.03

Note:

1) Data as received from SLDC/Electricity Department of the respective states or from the electricity department

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3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.

Small Hydro Sources Generation in MU												
Sl.No	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
Northern Region												
1	Chandigarh											
2	Delhi											
3	Haryana	13.96		20.43	27.80	31.12	32.13	39.27	2.79	167.51	17.97	179.75
4	HP	76.02	126.64	255.56	398.09	602.59	169.26	206.97	154.13	1989.26	66.35	1719.69
5	J & K	28.46	37.63	33.94	36.59	31.58	25.85	25.13	22.84	242.03	16.22	261.07
6	Punjab	26.09	18.20	14.65	17.10	13.02	21.34	12.59	51.28	174.28	7.27	131.64
7	Rajasthan	0.01	0.01	0.02	0.09	0.11	0.18	0.36	0.71	1.47	1.02	2.54
8	Uttar Pradesh	1.80	1.77	1.76	1.26	1.17	1.12	0.75	0.88	10.50	2.96	19.77
9	Uttarakhand	37.93	59.52	72.86	78.25	77.43	77.00	63.69	47.89	514.57	57.40	594.56
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla	2.03	2.02	2.02	2.02	2.02				10.11		
11	Oil India Ltd Rajasthan											
	Sub Total (Northern Region)	186.30	245.79	401.24	561.20	759.05	326.87	348.76	280.52	3109.73	169.20	2909.03
Western Region												
1	Chhattisgarh	3.65	1.51	8.70	15.81	8.84	23.72	4.14	2.81	69.17	0.68	16.83
2	NTPC Raigarh/Raimal/Mandsaur											
3	Gujarat	5.16	4.10	3.39	7.57	9.30	10.83	8.18	4.50	53.03	4.98	29.29
4	Madhya Pradesh	3.74	4.04	4.62	11.53	15.14	17.77	10.85	19.27	86.96	16.80	80.18
5	Maharashtra	74.13	55.76	36.16	60.47	93.02	58.90	54.84	79.75	513.04	37.01	382.44
6	Dadra and Nagar Haveli											
7	Daman & Diu											
8	Oil India Ltd Madhya Pradesh & Guirar											
	Sub Total (Western Region)	86.68	65.41	52.87	95.39	126.30	111.22	78.01	106.33	722.20	59.47	508.73
Southern Region												
1	Andhra Pradesh	7.89	3.49	3.84	4.95	16.52	31.42	34.64	19.09	121.85	29.32	71.96
2	Telangana	0.82	0.23	2.80	4.14	4.44	9.47	10.24	9.88	42.02	7.13	41.92
3	Karnataka	21.21	45.20	165.90	316.69	411.25	272.24	216.05	137.71	1586.24	131.94	1386.78
4	Kerala	27.57	30.90	62.03	76.98	66.22	50.26	59.83	46.52	420.31	50.45	481.48
5	NTPS Ramagundam/Anantapuram											
6	Tamil Nadu	5.56	1.99	10.13	42.61	51.26	97.30	36.03	19.91	264.79	30.68	101.54
7	Lakshadweep											
8	Ponducherry											
	Sub Total (Southern Region)	63.05	81.81	244.70	445.37	549.69	460.69	356.79	233.10	2435.20	249.52	2083.67
Eastern Region												
1	Andaman Nicobar	0.72	0.82	1.37	1.59	1.61	1.89	1.96	1.77	11.72	1.18	9.16
2	Bihar	0.04	17.15		1.97	1.25	1.20		0.01	21.62	0.05	6.50
3	Jharkhand											
4	Orissa	15.72	20.16	20.22	29.49	34.94	36.84	35.52	18.54	211.44	15.47	225.63
5	Sikkim	2.14	4.68	0.93	0.79	0.73	6.14	3.64	3.29	22.32	1.63	25.95
6	West Bengal	16.13	17.61	20.50	23.19	21.72	18.89	19.79	13.50	151.34	22.75	135.04
7	DVC			0.00	0.24				1.52	1.76	0.32	8.68
8	NTPC Andman+Talchar											
	Sub Total (Eastern Region)	34.75	60.43	43.02	57.26	60.25	64.95	60.91	38.64	420.20	41.40	410.96
North Eastern Region												
1	Arunachal Pradesh	0.03	0.03	0.03	0.02	0.05	0.06	0.05	0.06	0.33	0.06	0.46
2	Assam	1.07	0.56	1.01	1.61	1.68	1.34	1.06	1.74	10.08	1.72	11.79
3	Manipur											
4	Meghalaya	6.09	4.21	3.68	3.47	3.45	7.01	4.87	4.78	37.56	5.59	51.26
5	Mizoram	1.83	3.44	3.22	3.34	3.38	3.31	3.72	3.00	25.23	4.07	43.82
6	Nagaland		6.38	8.61	12.92	14.92	14.20	11.89	6.27	75.20	12.21	71.52
7	Tripura	4.34	3.98	2.89	2.93	4.03	3.68	2.85	2.62	27.32	3.31	28.31
8	Neepco				10.08	8.12	7.95	3.46	1.11	30.72		
	Sub Total (North Eastern Region)	13.36	18.60	19.44	34.38	35.63	37.55	27.90	19.58	206.44	26.97	207.16
	Total	384.14	472.04	761.27	1193.60	1530.91	1001.29	872.37	678.16	6893.77	546.55	6119.55

Note:

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- 3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.

Others Sources Generation in MU												
Sl.No	State	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Cumulative Generation from April 2018 to November 2018	Nov-17	Cumulative Generation from April 2017 to November 2017
	Northern Region											
1	Chandigarh											
2	Delhi	25.35	25.54	22.83	20.36	23.72	20.99	24.82	26.02	189.62	19.85	154.50
3	Haryana											
4	HP											
5	J & K											
6	Punjab											
7	Rajasthan											
8	Uttar Pradesh											
9	Uttarakhand											
10	NTPC Dadri+FBD+Unchahar+Singrauli+Bhadla											
11	Oil India Ltd Rajasthan											
	Sub Total (Northern Region)	25.35	25.54	22.83	20.36	23.72	20.99	24.82	26.02	189.62	19.85	154.50
	Western Region											
1	Chhattisgarh											
2	NTPC Rajgarh/Rajmal/Mandsaur											
3	Gujarat											
4	Madhya Pradesh	6.62	6.41	6.13	2.46	0.60	4.03	3.08	2.65	31.97	4.45	23.41
5	Maharashtra			0.05	0.02	0.03	0.02	0.03	0.09	0.24		0.01
6	Dadra and Nagar Haveli											
7	Daman & Diu											
8	Oil India Ltd Madhya Pradesh & Gujrat											
	Sub Total (Western Region)	6.62	6.41	6.18	2.47	0.62	4.05	3.11	2.74	32.21	4.45	23.42
	Southern Region											
1	Andhra Pradesh	0.64	0.58	0.55	0.59	0.57	0.14	0.77	0.79	4.63	0.81	3.81
2	Telangana	6.03	6.50	7.15	7.23	7.62	6.98	6.17	7.75	55.43	6.94	50.84
3	Karnataka											
4	Kerala											
5	NTPS Ramagundam/Anantapuram											
6	Tamil Nadu											
7	Lakshadweep											
8	Ponducherry											
	Sub Total (Southern Region)	6.67	7.08	7.71	7.82	8.19	7.12	6.93	8.54	60.05	7.76	54.65
	Eastern Region											
1	Andaman Nicobar											
2	Bihar											
3	Jharkhand											
4	Orissa											
5	Sikkim											
6	West Bengal											
7	DVC											
8	NTPC Andman+Talchar											
	Sub Total (Eastern Region)											
	North Eastern Region											
1	Arunachal Pradesh											
2	Assam											
3	Manipur											
4	Meghalaya											
5	Mizoram											
6	Nagaland											
7	Tripura											
8	Neepco											
	Sub Total (North Eastern Region)											
	Total	38.64	39.03	36.72	30.65	32.53	32.16	34.87	37.29	281.89	32.06	232.56

Note:

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3) Generation Details for Chandigarh, Ponducherry and Sikkim for the month of October 2018 has been updated according to data received from respective state SLDCs.