

**SUMMARY REPORT FOR COUNCIL OF MINISTERS ON
IMPORTANT DEVELOPMENTS IN POWER SECTOR
DURING THE MONTH OF OCTOBER, 2018**

1. CAPACITY ADDITION (Generation and Transmission)

- (i) Thermal capacity 600 MW has been added on commissioning of Unit –II of Mahan TPP of Essar Power MP Ltd. in Madhya Pradesh on 07.10.2018.
- (ii) In the transmission sector 729 ckm of 765kv AC lines, 737 ckm of 400 kv AC lines and 401 ckm of 220 kv AC lines have been laid during the month of October,2018.

The details of achievements in capacity addition as well as a comparison with the corresponding period of last year are given below:

A. Overall Capacity Addition (in MW):

(All Figures in MW)

Type	Achievement	Targets	Achievement	% Achievement w.r.t October-2017
	October-17	October-18		
Thermal	0	1280	600	NA
Hydro	30	0	0	0.000
Nuclear	0	0	0	NA
All India	30	1280	600	2000.000

B. Transmission Lines (in CKM):

(All Figures in cKM)

Voltage Level	October-17	October-18	April 2017- October 2017	April 2018- October 2018
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	0	0
765 KV	0	729	2046	2464
400 KV	245	737	8923	4814
220 KV	324	401	2151	4521
All India	569	1867	13120	11799

2. Power Distribution

2.1 Integrated Power Development Scheme (IPDS):

The integrated Power Development Scheme (IPDS) was approved on 20th November 2014. IPDS envisages strengthening of sub-transmission and distribution network including metering at all levels in urban areas. The earlier scheme of Restructured

Accelerated Power Development and Reforms Programme (R-APDRP) is subsumed in the new scheme of IPDS.

Major components of the scheme are:

- a) Strengthening of sub-transmission and distribution network
- b) Metering
- c) IT application-ERP and Customer Care Services
- d) Provisioning of Solar Panels
- e) Ongoing works of R-APDRP to be completed

All Discoms including private Discoms and State Power Departments are eligible for financial assistance under this Scheme. Power Finance Corporation (PFC) is the Nodal Agency for operationalization of this Scheme. So far, new distribution strengthening projects worth Rs, 27,625.46 crore for 546 circles covering 3630 towns, projects worth Rs. 985.23 crore for IT enablement of 1931 towns, ERP projects worth Rs 639.88 crores and smart metering projects worth Rs. 834.41croreshave been sanctioned.

Re-structured APDRP was launched on 31.07.2008 as a Central Sector Scheme with a programme size of Rs.51,577 crore.

Projects under the scheme are to be taken up in two parts. Part-A is the projects for establishment of baseline data and IT applications for energy accounting/ auditing & IT based consumer service centres and Part-B is regular distribution strengthening projects.

Part-A projects worth Rs.5272.49crore covering all the eligible towns (1405) in the country have already been sanctioned. So far, 59 Supervisory Control and Data Acquisition (SCADA) projects worth Rs.1251.13 crore have also been sanctioned for EighteenStates/UTs (Andhra Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, Jharkhand, Jammu & Kashmir, Kerala, Madhya Pradesh, Maharashtra, Odisha, Puducherry, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttarakhand, West Bengal) under Part-A. So far, 1227 projects worth Rs.29296.60 crore have been approved in twenty-six States/UTs (Andhra Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, Himachal Pradesh, Jharkhand, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Odisha, Puducherry, Punjab, Rajasthan, Sikkim, Tripura, Tamil Nadu, Telangana, Uttar Pradesh, Uttarakhand, West Bengal) under Part-B.

2.2 Deendayal Upadhaya Gram Jyoti Yojana (DDUGJY):

Government of India launched a new scheme namely "Deendayal Upadhaya Gram Jyoti Yojana" (DDUGJY) with the following components :

- (a) To separate agriculture and non-agriculture feeders to facilitate Discoms in the judicious rostering of supply to agricultural & non- agricultural consumers

(b) Strengthening and Augmentation of Sub Transmission & Distribution infrastructure in rural areas and metering at Distribution Transformers, Feeders and consumers end in rural areas.

(c) Erstwhile Rural Electrification scheme of Govt. of India has been subsumed in DDUGJY as a separate rural electrification (RE) component.

Scheme Outlay:

DDUGJY (a) & (b) - Outlay: Rs. 43033 crore, Subsidy: Rs. 33453 crore
RE Component (c) - Outlay: Rs.32860 Crore, Subsidy: Rs. 29574 crore
Total Outlay - Outlay: Rs.75893 Crore, Subsidy: Rs. 63027 crore

Status of Implementation of DDUGJY new Projects (As on 31.10.2018)

636 Projects in 32 States/UTs amounting to Rs.42565 crores have been sanctioned.

- ✓ The States are in the process of tendering and award of contracts (Awarded-547 Projects, Departmental – 84 Projects, Bids opened and under evaluation – 1Project, NIT issued and bids yet to be opened- 1 Project, NIT yet to be issues- 2 projects)

Cumulative achievement (As on 31.10.2018)

- ✓ Cumulatively (as on 31.10.2018), intensive electrification in 575413 villages has been completed and free electricity connections to 309.35 Lakh BPL households have been released.

3. GENERATION PERFORMANCE:

The overall generation during the month of October, 2018 was 109320.00 Million Units (MUs) as compared to 102878.00MUs generation achieved during the corresponding month of the last year.

A growth of12.87% in Hydro generation, 10.67% in Thermal generation, have been achieved in the month of October, 2018 as compared to the corresponding month of the last year. However a negative growth of 2.88% in Nuclear generation and 41.46% in Power import from Bhutan have been occurred in the same period.

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During the month overall a growth of 10.19% was registered in generation as compared to the generation performance of October, 2018 as mentioned in the table below:-

(All Figures in BU)

Type	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% Change of Achievement w.r.t Oct-2017
	October-17	October-18	October-18	
Thermal	87.97	94.432	97.357	10.67
Nuclear	3.123	3.533	3.033	-2.88
Hydro	11.182	10.722	12.621	12.87
Bhutan Import	0.603	0.633	0.353	-41.46
All India	102.878	109.32	113.364	10.19

* Figures of October, 2018 are provisional based on actual-cum-assessment

3.1 Generation performance of major power utilities:

The generation performance of power utilities in Central Sector, State Sector and in Private Sector in respect of thermal, nuclear and hydro generation as well as PLF achieved against the programme and comparison with the corresponding period of previous year are given at Annexure-I.

3.2 Coal supply position:

The coal supply position, as well as consumption of coal during October,2018as compared to the corresponding month of 2017 are given below:

(Figures in Thousand Tonnes)

YEAR	Opening stock (Days)	Required	Receipt	Consumption	Closing Stock (Days)	No. of critical Stations (stock < 7days)
October-18	11038.55 (7 Days)	51414.6	46128.09	47443.22	10086.77 (6 Days)	78
October-17	8478.2 (6 Days)	40689.53	40078.87	40145.00	7869.89 (6 Days)	76

NOTE

Figures given above include imported coal.

* Provisional based on actual-cum-assessment.

3.3. Region wise power supply situation:

For the month of October, 2018, the region wise energy supply and peak demand positions in comparison to the requirement for supply side and peak demand met have been shown at **Annexure-II** along with the data for the corresponding month of the previous year.



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Category / Sectors	Monitored Capacity (MW)	Target Apr 2018 to Mar 2019	GENERATION (GWH)										PLANT LOAD FACTOR (%)					
			OCT-2018					APRIL 2018 - OCT-2018					OCT-2018			APRIL 2018 - OCT-2018		
			PROGRAM	ACTUAL MONTH 2017-18	ACTUAL SAME MONTH 2017-18	% OF PROGRAM (4Q)	% OF LAST YEAR (4Q)	PROGRAM	ACTUAL MONTH 2017-18	ACTUAL SAME PERIOD 2017-18	% OF PROGRAM (9/8)	% OF LAST YEAR (9/10)	PROGRAM	ACTUAL MONTH 2017-18	ACTUAL SAME MONTH 2017-18	PROGRAM	ACTUAL MONTH 2017-18	ACTUAL SAME PERIOD 2017-18
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
THERMAL																		
CENTRAL SECTOR																		
APCPCL	1500.00	7500.00	590.00	650.22	570.58	116.11	113.96	4342.00	4262.95	4383.08	98.18	97.26	50.18	58.26	51.13	56.36	55.33	56.89
BRBCL	500.00	3150.00	328.00	242.62	118.94	73.97	203.99	1556.00	1067.33	403.68	69.88	269.35	58.78	65.22	31.97	56.50	42.34	21.35
DVC	7090.00	35589.00	3059.00	2584.11	2364.25	84.48	109.30	20613.00	21160.97	19716.96	102.66	107.32	53.82	48.99	44.82	52.53	58.11	50.51
K.B.U.N.L	610.00	2600.00	231.00	259.99	238.11	112.55	109.19	1557.00	1521.06	874.52	97.69	173.93	50.90	57.29	52.47	49.70	48.55	31.40
MUNPL	660.00	1000.00	170.00	0.00	0.00	0.00	0.00	170.00	0.00	0.00	0.00	0.00	34.62			34.62		
NEEPC	527.00	2680.00	226.00	283.01	257.15	125.23	110.06	1570.00	1623.29	1772.53	103.39	91.58						
NLC	3240.00	20692.00	1662.00	1754.69	1705.57	105.58	102.88	11302.00	11101.81	11872.36	98.23	93.51	68.95	72.79	70.75	67.92	66.72	71.35
NFGCP	0.00	1000.00	99.00	0.00	0.00	0.00	0.00	99.00	0.00	0.00	0.00	0.00	20.16			20.16		
NSPCL	500.00	3746.00	330.00	296.19	202.08	89.75	146.57	2139.00	2172.77	2173.34	101.58	99.97	88.71	79.62	54.32	83.29	84.61	84.63
NTECL	1500.00	9200.00	691.00	555.71	492.74	80.42	112.78	5342.00	4324.59	4272.35	80.95	101.22	61.92	49.79	44.15	69.34	56.13	55.46
NTPC Ltd	43667.23	249560.00	21623.00	23559.68	23012.74	108.96	102.38	144152.00	155644.78	149395.24	107.97	104.18	69.19	79.81	77.13	68.30	76.24	76.89
NTPC	1000.00	6570.00	584.00	629.90	380.91	107.86	174.53	3724.00	3354.31	2907.38	90.07	115.37	78.49	84.66	48.51	72.51	65.31	56.61
ONGC	726.80	4000.00	340.00	416.45	374.45	122.49	111.22	2344.00	2585.55	2270.58	110.31	113.87						
PVUNL	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	0.00
ROPPL	1967.08	4320.00	378.00	390.64	391.30	103.34	99.83	2534.00	2665.28	2616.11	105.18	101.76						
TOTAL CENTRAL SEC.	63487.91	351607.0	30281.00	31623.21	30088.82	104.43	105.10	201444.00	211504.69	202661.13	104.99	104.36	65.07	73.55	68.72	65.09	71.41	69.85
TOTAL STATE SEC.	71049.14	351320.0	30100.00	30172.60	28982.92	100.24	116.12	199221.00	195490.30	180151.68	98.13	108.51	57.35	60.78	52.17	56.71	57.45	52.64
TOTAL IPP SEC.	83698.80	369997.0	32406.00	33756.03	30330.46	104.17	111.29	215983.00	207941.55	202529.62	96.28	102.67	58.03	62.60	56.96	56.36	56.12	56.12
TOTAL PVT. UTL. SEC.	3477.00	18576.00	1645.00	1805.97	1568.25	109.79	115.16	11309.00	12031.07	11632.66	106.38	103.42	63.78	68.19	60.45	63.71	66.53	64.21
TOTAL THERMAL NUCLEAR	221712.8	1091500.0	94432.00	97357.81	87970.45	103.10	110.67	627957.00	626967.61	596975.09	99.84	105.02	59.95	65.24	58.82	59.11	61.14	58.99
THERMAL NUCLEAR CENTRAL SECTOR																		
DAE	100.00	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	0.00
NPCIL	6690.00	38500.00	3533.00	3033.10	3123.13	85.85	97.12	20689.00	22035.40	20183.85	106.51	109.17	73.51	61.03	62.84	62.36	64.23	58.83
TOTAL CENTRAL SEC.	6780.00	38500.00	3533.00	3033.10	3123.13	85.85	97.12	20689.00	22035.40	20183.85	106.51	109.17	73.51	60.13	61.91	62.36	63.28	57.96
TOTAL NUCLEAR	6780.00	38500.00	3533.00	3033.10	3123.13	85.85	97.12	20689.00	22035.40	20183.85	106.51	109.17	73.51	60.13	61.91	62.36	63.28	57.96
HYDRO CENTRAL SECTOR																		
BIMB	2920.30	9425.00	712.00	936.83	909.01	131.58	103.06	6455.00	6389.20	7215.82	98.98	88.54						
DVC	143.20	205.00	34.00	25.01	36.70	73.56	68.15	174.00	161.79	204.11	92.98	79.27						
NEEPC	925.00	4603.00	476.00	338.17	379.94	71.25	89.27	3550.00	2614.78	2423.35	73.66	107.90						
NHDC	1520.00	2446.00	253.00	270.69	58.83	106.99	460.12	1074.00	972.25	1049.89	90.53	92.60						
NHPC	5451.20	24055.00	1891.00	1887.46	1641.21	111.62	115.00	18796.00	18195.65	18648.10	96.81	97.57						
NTPC Ltd	800.00	3000.00	160.00	188.91	172.59	118.07	109.46	2630.00	2522.62	2889.49	95.92	87.30						
SJVN	1912.02	8490.00	599.00	600.03	591.75	100.17	101.40	6943.00	6872.83	7803.25	98.99	88.08						
THDC	1400.00	3652.00	284.00	261.94	301.94	92.23	86.75	2308.00	2725.24	2738.27	118.08	99.52						
TOTAL CENTRAL SEC.	15071.72	56176.00	4209.00	4510.04	4091.97	107.15	110.22	41930.00	40454.36	42973.28	96.48	94.14						
TOTAL STATE SEC.	27021.70	61106.00	5595.00	7084.69	6063.64	126.63	116.84	40494.00	44330.34	37877.91	109.47	117.03						
TOTAL IPP SEC.	2947.00	11418.00	805.00	901.22	905.75	111.95	99.50	9764.00	10219.63	10808.49	104.67	94.55						
TOTAL PVT. UTL. SEC.	447.00	1300.00	113.00	125.64	121.29	111.19	103.59	767.00	999.43	907.30	130.30	110.15						
TOTAL HYDRO	45487.42	130000.0	10722.00	12621.59	11182.65	117.72	112.87	92955.00	96003.76	92666.98	103.28	103.71						
BHUTAN IMP																		
	0.00	5000.00	633.00	353.95	603.74	55.92	58.63	3470.00	4166.60	4409.00	120.07	94.50						
TOTAL ALL INDIA	273980.2	1265000.0	109320.00	113366.45	102879.97	103.70	110.19	745071.00	748173.37	714134.92	100.55	104.91						

*PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

G. Power Supply Position (Energy & Peak) in Oct-2018

Region	Energy (MU)				Surplus (+) /Deficit (-) in %	
	Requirement		Availability		Oct-2017	Oct-2018
	Oct-2017	Oct-2018	Oct-2017	Oct-2018		
Northern	31,786	31,822	31,096	31,375	-2.2	-1.4
Western	31,728	36,308	31,628	36,178	-0.3	-0.4
Southern	24,314	29,392	24,271	29,342	-0.2	-0.2
Eastern	12,012	12,547	11,931	12,507	-0.7	-0.3
North Eastern	1,487	1,387	1,451	1,351	-2.4	-2.5
All India	101,327	111,455	100,377	110,753	-0.9	-0.6
Region	Power (MW)				Surplus(+) / Deficit (-) in %	
	Peak Demand		Peak Met		Oct-2017	Oct-2018
	Oct-2017	Oct-2018	Oct-2017	Oct-2018		
Northern	51307	50659	50289	49635	-2.0	-2.0
Western	48530	56548	46392	55695	-4.4	-1.5
Southern	39142	45279	38905	45226	-0.6	-0.1
Eastern	19850	22959	19836	22567	-0.1	-1.7
North Eastern	2596	2790	2499	2700	-3.7	-3.2
All India	162027	172945	157394	170604	-2.9	-1.4

* Oct-2018 Figures are Provisional