

**No. 20/05/2019-Coord.**

Government of India

Ministry of Power.

\*\*\*

Shram Shakti Bhawan, Rafi Marg,  
New Delhi, the 28<sup>th</sup> October, 2019

**OFFICE MEMORANDUM**

Sub: **Monthly Summary for the Cabinet concerning Ministry of Power for the month of September, 2019.**

The undersigned is directed to enclose herewith a copy of the monthly summary of important developments of the Ministry of Power for the month of September, 2019.

**Encl: As above.**



(P.B. S. Dinker)

Under Secretary to the Government of India

Telefax: 23752495

To

All Members of Council of Ministers.

Copy with enclosures forwarded to:

1. Deputy Chairman and Member, Niti Aayog, New Delhi.
2. Chairman, UPSC, New Delhi.
3. Principal Secretary to the Prime Minister, South Block, New Delhi.
4. Secretary to the Vice-President, 6, Maulana Azad Road, New Delhi.
5. Director, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.

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To

1. The Principal Information Officer, M/o Information & Broadcasting, Shastri Bhawan, New Delhi.

Copy also forwarded to:

1. Secretary, D/o Telecommunication, New Delhi.
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5. Secretary, D/o Statistics, New Delhi.
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13. Secretary, D/o Water Resources, New Delhi.
14. Secretary, D/o Atomic Energy, New Delhi.
15. Foreign Secretary, M/o External Affairs, New Delhi.
16. Secretary, D/o Space, New Delhi.
17. Secretary, D/o Programme Implementation, Sardar Patel Bhawan, N. Delhi.
18. Economic Adviser, Ministry of Industry, Udyog Bhawan, New Delhi.

Copy for information to: (i) PS to MOSP(IC)

(ii) PPS to Secretary (Power)

**SUMMARY REPORT FOR COUNCIL OF MINISTERS ON  
IMPORTANT DEVELOPMENTS IN POWER SECTOR  
DURING THE MONTH OF SEPTEMBER, 2019**

**1. CAPACITY ADDITION (Generation and Transmission)**

**1.1** Thermal capacity of **1320MW** has been added during the month of Sept,19 after commissioning of the following projects:

- (i) Tanda TPS Stage –II Unit-5, M/s NTPC Ltd., Uttar Pradesh, Central Sector, Thermal Coal – 660 MW
- (ii) Khargone STPP Unit-1, M/s NTPC Ltd., Madhya Pradesh, Central Sector, Thermal Coal – 660 MW

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

(All Figures in  
MW)

Type	Achievement	Targets	Achievement	% Achievement
	Sept-18	Sept-19		of Target
Thermal	0	660	1320	200%
Hydro	30	37	0	0
Nuclear	0	0	0	0
All India	30	697	1320	189.38%

**1.2** In the transmission sector 340 ckm of 765kV AC lines, 149ckm of 400 kV AC lines and 277ckm of 220 kV AC lines have been laid during the month of Sept, 19.



The details of achievements in transmission line as well as a comparison with the Corresponding period of last year are given below:

## TRANSMISSION LINES ADDED

(All Figures in cKM)

Voltage Level	Sept-18	Sept-19	Apr-18 to Sept-18	Apr-19 to Sept-19
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	0	0
765 KV	0	340	1735	1048
400 KV	967	149	4077	1694
220 KV	793	277	4120	2561
<b>All India</b>	<b>1760</b>	<b>766</b>	<b>9932</b>	<b>5303</b>

## 2. Power Distribution

### 2.1 Integrated Power Development Scheme (IPDS):

The Integrated Power Development Scheme (IPDS) was approved on 20<sup>th</sup> 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:

- Strengthening of sub-transmission and distribution network
- Metering
- IT application-ERP and Customer Care Services
- Provisioning of Solar Panels
- 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, 29,238.06 crore for 546 circles, projects worth Rs. 985.23 crore for IT enablement of 1931 towns, ERP projects worth Rs792.09 crores, smart metering projects worth Rs. 834.41crores and RT-DAS projects worth Rs.208.98 crores have 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 centers and Part-B is regular distribution strengthening projects.

Part-A projects worth Rs. 4723.99 crore covering all the eligible towns (1294) in the country have already been sanctioned. So far, 59 Supervisory Control and Data Acquisition (SCADA) projects worth Rs.1205.70 crore have also been sanctioned for Eighteen States/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.28,784.26 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 JyotiYojana (DDUGJY):**

Government of India launched a new scheme namely "Deendayal Upadhyaya 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 30.09.2019)**

636 Projects in 32 States/UTs amounting to Rs. 43452 crores have been sanctioned.

- ✓ (Awarded-549 Projects, Departmental – 84 Projects under Litigation-1 project, (Tirap, Arunachal Pradesh), NIT yet to be issued-2 projects, A&N Island)



### 3. OTHER ACHIEVEMENTS

- i. The total electricity generation including generation from renewable sources in the country during the month of September 2019 was 114664 MU as against the generation of 119073 MU during the corresponding period last year, showing a decline of 3.70%. However, the decline is not because of any generation constraints but lack of demand due to delayed withdrawal of monsoon in the country.
- ii. Energy Conservation Guidelines for MSME Sector were launched during National Conclave on Enhanced Energy Efficiency in MSME Sector held on 23-24 September, 2019 at Delhi.
- iii. Government of Himachal Pradesh signed MOU with CPSEs viz. SJVN, NTPC and NHPC for execution of ten hydro electric projects in Himachal Pradesh. The Government of Himachal Pradesh has agreed to defer the royalty power (12% of total generation) and partial waiver of its share of GST in such a manner as to bring down tariff and to make the projects commercially viable.
- iv. In September 2019, stringing of 766 Ckm transmission lines was completed against the target of 1406 Ckm.
- v. During 2019-20 against the capacity addition target of 12186.14 (MW), the cumulative achievement at the end of September, 2019 has been 3345 (MW).

### 4. GENERATION PERFORMANCE:

During the month, decline of -3.36% was registered in generation as compared to the generation performance of Sept, 2018. The overall generation during the month of Sept, 2019 was 104.68 BUs as compared to 108.32 BU generation achieved during the corresponding month of the last year.

A growth of 19.09 % in Hydro generation, 52.84% in nuclear generation have been achieved in the month of Sept, 2019 as compared to the corresponding month of the last year. as mentioned in the table below:-

(All Figures in BU)

Type	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% Change Achievement w.r.t Sept-18
	Sept-18	Sept-19	Sept-19	
Thermal	87.357	92.998	78.631	90.01
Nuclear	2.651	3.329	4.052	152.84
Hydro	17.426	15.687	20.753	119.09
Bhutan Import	0.891	0.926	1.247	139.85
All India	108.327	112.940	104.684	96.64

### 5.1 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 Sept, 2019 as compared to the corresponding month of 2018 is given below:

#### COAL SUPPLY POSITION

(Figures in Thousand Tonnes)						
YEAR	Opening stock (Days)	Required	Receipt	Consumption	Closing Stock (Days)	No. of critical Stations (stock < 7days)
Sept-19	13	49689.5	35014.4	39694.8	11	55
Sept-18	9	47848.6	39506.67	43334.72	7	75

#### NOTE

Figures given above include imported coal

\*Provisional based on actual-cum-assessment

The above figures are for plants having coal linkages and monitored on daily basis.

### 3.3 REGION WISE POWER SUPPLY SITUATION:

For the month of Sept-19, 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.



(Aniruddha Kumar)  
Joint Secretary(Coord.)



PERIOD:SEP-2019 VIS-A-VIS SEP-2018 AND APR-SEP-2019 VIS-A-VIS APR-SEP-2018

## 2. SUMMARY - SECTOR WISE

Category / Sectors	Monitored Capacity (MW)	Target  Apr 2019 to Mar 2020	GENERATION (GWH)										PLANT LOAD FACTOR (%)					
			SEP-2019					APRIL 2019 - SEP-2019					SEP-2019			APRIL 2019 - SEP-2019		
			PROGRAM	ACTUAL *	ACTUAL SAME MONTH	% OF PRO-GRAM (4/3)	% OF LAST YEAR (4/5)	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD	% OF PROGRA M (9/8)	% OF LAST YEAR (9/10)	PROG RAM	ACTUA L *	ACTU AL SAME	PROG RAM	ACTUA L *	ACTU AL SAME
					2018-19					2018-19					2018-19			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
THERMAL																		
CENTRAL SECTOR																		
APCPL	1500.00	7500.00	646.00	387.09	655.54	59.92	59.05	3739.00	1957.93	3612.73	52.37	54.20	59.81	35.84	60.70	56.75	29.72	54.84
BRBCL	750.00	3600.00	307.00	330.38	155.39	107.62	212.61	1731.00	2214.82	844.71	127.95	262.20	56.85	61.18	43.16	52.55	67.24	38.47
DVC	7090.00	37476.00	3026.00	2625.28	2444.66	86.76	107.39	18816.00	19719.06	18576.86	104.80	106.15	59.28	51.43	47.89	60.43	63.33	59.66
K.B.U.N.L	610.00	3025.00	257.00	232.61	246.31	90.51	94.44	1571.00	1667.46	1261.07	106.14	132.23	58.52	52.96	56.08	58.64	62.24	47.07
MUNPL	660.00	3000.00	266.00	127.96	0.00	48.11	0.00	1376.00	1045.64	0.00	75.99	0.00	27.99	26.93	0.00	35.60	38.88	0.00
NEEPCO.	527.00	2828.00	227.00	221.76	220.50	97.69	100.57	1410.00	1489.03	1340.28	105.60	111.10						
NLC	3140.00	20030.00	1658.00	1552.33	1562.35	93.63	99.36	10016.00	9564.26	9347.12	95.49	102.32	55.62	68.66	66.97	57.40	69.35	65.69
NPGCL	660.00	3000.00	275.00	0.00	0.00	0.00	0.00	1321.00	0.00	0.00	0.00	0.00	28.94	0.00	0.00	39.15	0.00	0.00
NSPCL	500.00	3600.00	174.00	211.33	276.34	121.45	76.47	1735.00	1536.08	1876.58	88.53	81.86	48.33	58.70	76.76	79.01	69.95	85.45
NTECL	1500.00	8000.00	467.00	282.20	580.35	60.43	48.63	3799.00	2826.82	3768.88	74.41	75.00	43.24	26.13	53.74	57.67	42.91	57.21
NTPC Ltd.	47407.23	267928.00	21601.00	18922.64	21889.17	87.60	86.45	132446.00	126346.75	132129.95	95.39	95.62	68.74	60.67	74.13	69.36	67.09	74.79
NTPL	1000.00	6200.00	542.00	369.95	576.72	68.26	64.15	2925.00	1931.38	2724.41	66.03	70.89	75.28	51.38	80.10	66.60	43.97	62.03
ONGC	726.60	4759.00	391.00	344.60	317.60	88.13	108.50	2382.00	2469.44	2169.10	103.67	113.85						
RGPPL	1967.08	4505.00	368.00	358.23	371.05	97.35	96.54	2265.00	2184.35	2274.64	96.44	96.03						
CENTRAL SECTOR	68037.91	375451.00	30205.00	25966.36	29295.98	85.97	88.63	185532.00	174953.01	179926.33	94.30	97.24	63.98	57.84	69.12	65.82	64.49	70.51
STATE SECTOR	73811.21	374986.00	30497.00	22182.31	26418.42	72.74	83.97	185552.00	162080.59	165272.85	87.35	98.07	57.93	43.18	55.23	58.01	53.28	56.33
PVT SECTOR	3477.00	18231.00	1570.00	1479.59	1760.88	94.24	84.03	9588.00	9711.62	10225.10	101.29	94.98	61.84	60.77	68.69	61.90	62.72	66.24
IPP SECTOR	83903.80	373462.00	30726.00	29003.05	29882.65	94.39	97.06	187002.00	187760.59	174185.52	100.41	107.79	56.34	52.30	56.09	56.20	55.94	53.59
TOTAL THERMAL	229229.92	1142130.00	92998.00	78631.31	87357.93	84.55	90.01	567674.00	534505.81	529609.80	94.16	100.92	59.25	51.05	59.80	59.74	57.67	59.55
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	0.00	0.00
NPCIL	6680.00	44720.00	3329.00	4052.85	2651.74	121.74	152.84	21559.00	23859.08	19002.30	110.67	125.56	69.22	84.27	55.13	73.48	81.32	64.77
CENTRAL SECTOR	6780.00	44720.00	3329.00	4052.85	2651.74	121.74	152.84	21559.00	23859.08	19002.30	110.67	125.56	69.22	83.02	54.32	73.48	80.12	63.81
TOTAL NUCLEAR	6780.00	44720.00	3329.00	4052.85	2651.74	121.74	152.84	21559.00	23859.08	19002.30	110.67	125.56	69.22	83.02	54.32	73.48	80.12	63.81
HYDRO																		



<b>CENTRAL SECTOR</b>																	
BBMB	2920.30	9470.00	1041.00	1466.65	1095.92	140.89	133.83	5777.00	7740.34	5452.37	133.99	141.96					
DVC	143.20	210.00	38.00	22.69	43.46	59.71	52.21	141.00	68.13	136.78	48.32	49.81					
NEEPCO.	900.00	4877.00	741.00	479.63	487.00	64.73	98.49	2903.00	2244.64	2275.61	77.32	98.64					
NHDC	1520.00	2300.00	246.00	921.87	348.34	374.74	264.65	933.00	2165.78	701.56	232.13	308.71					
NHPC	5451.20	24050.00	2577.00	2564.03	2727.96	99.50	93.99	17304.00	17459.94	16308.19	100.90	107.06					
NTPC Ltd.	800.00	3000.00	289.00	471.28	432.60	163.07	108.94	2462.00	2773.49	2333.71	112.65	118.84					
SJVNL	1912.02	8550.00	970.00	1310.69	1202.82	135.12	108.97	6394.00	7398.17	6272.80	115.70	117.94					
THDC	1400.00	4160.00	344.00	517.88	594.34	150.55	87.14	2188.00	2231.98	2463.30	102.01	90.61					
<b>CENTRAL SECTOR</b>	<b>15046.72</b>	<b>56617.00</b>	<b>6246.00</b>	<b>7754.72</b>	<b>6932.44</b>	<b>124.15</b>	<b>111.86</b>	<b>38102.00</b>	<b>42082.46</b>	<b>35944.32</b>	<b>110.45</b>	<b>117.08</b>					
<b>STATE</b>	<b>26958.50</b>	<b>66805.00</b>	<b>7779.00</b>	<b>10879.39</b>	<b>8549.13</b>	<b>139.86</b>	<b>127.26</b>	<b>39082.00</b>	<b>42533.67</b>	<b>37245.65</b>	<b>108.83</b>	<b>114.20</b>					
<b>PVT SECTOR</b>	<b>447.00</b>	<b>1441.00</b>	<b>107.00</b>	<b>135.02</b>	<b>127.95</b>	<b>126.19</b>	<b>105.53</b>	<b>753.00</b>	<b>812.07</b>	<b>873.79</b>	<b>107.84</b>	<b>92.94</b>					
<b>IPP SECTOR</b>	<b>2947.00</b>	<b>12069.00</b>	<b>1555.00</b>	<b>1984.15</b>	<b>1816.59</b>	<b>127.60</b>	<b>109.22</b>	<b>9461.00</b>	<b>10528.53</b>	<b>9318.41</b>	<b>111.28</b>	<b>112.99</b>					
<b>TOTAL HYDRO</b>	<b>45399.22</b>	<b>136932.00</b>	<b>15687.00</b>	<b>20753.28</b>	<b>17426.11</b>	<b>132.30</b>	<b>119.09</b>	<b>87398.00</b>	<b>95956.73</b>	<b>83382.17</b>	<b>109.79</b>	<b>115.08</b>					
<b>BHUTAN IMP</b>																	
	0.00	6218.00	926.00	1247.11	891.72	134.68	139.85	3683.00	4227.91	3812.65	114.80	110.89					
<b>ALL INDIA</b>	<b>281409.14</b>	<b>1330000.00</b>	<b>112940.00</b>	<b>104684.55</b>	<b>108327.50</b>	<b>92.69</b>	<b>96.64</b>	<b>680314.00</b>	<b>658549.53</b>	<b>635806.92</b>	<b>96.80</b>	<b>103.58</b>					

\* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

Region	Energy (MU)				Surplus(+) /Deficit (-) in %	
	Requirement		Availability			
	Sept-2018	Sept-2019	Sept-2018	Sept-2019	Sept-2018	Sept-2019
Northern	33,405	38,305	33,008	37,725	-1.2	-1.5
Western	32,742	28,790	32,723	28,790	-0.1	0.0
Southern	28,520	26,259	28,460	26,237	-0.2	-0.1
Eastern	13,341	12,986	13,102	12,985	-1.8	0.0
North Eastern	1,575	1,623	1,527	1,526	-3.1	-6.0
All India	109,584	107,963	108,819	107,262	-0.7	-0.6

Region	Power (MW)				Surplus(+) /Deficit (-) in %	
	Peak Demand		Peak Met			
	Sept-2018	Sept-2019	Sept-2018	Sept-2019	Sept-2018	Sept-2019
Northern	56,407	63,365	55,649	62,023	-1.3	-2.1
Western	52,933	46,261	52,895	46,261	-0.1	0.0
Southern	45,542	44,629	45,428	44,591	-0.2	-0.1
Eastern	22,110	23,804	22100	23,804	0.0	0.0
North Eastern	2,921	3,183	2,850	3,070	-2.4	-3.6
All India	177,022	174,584	175,528	173,145	-0.8	-0.8

September-2019 Figures are  
Provisional