

**No. 20/03/2021-Coord.**

Government of India

Ministry of Power.

\*\*\*

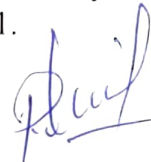
Shram Shakti Bhawan, Rafi Marg,  
New Delhi, the 29th October, 2021

**OFFICE MEMORANDUM**

**Sub: Monthly Summary for the Cabinet concerning Ministry of Power for the month of September, 2021.**

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, 2021.

**Encl: As above.**



(R.N. Singh)

Deputy Secretary to the Govt. of India

Telefax: 23711712

To

All Members of Council of Ministers.

Copy with enclosures forwarded to:

Deputy Chairman and Member, Niti Aayog, New Delhi.

Chairman, UPSC, New Delhi.

Principal Secretary to the Prime Minister, South Block, New Delhi.

Secretary to the Vice-President, 6, Maulana Azad Road, New Delhi.

Director, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.

**No. 20/03/2021-Coord.**

Government of India

Ministry of Power.

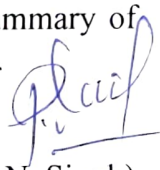
\*\*\*

Shram Shakti Bhawan, Rafi Marg,  
New Delhi, the 29th October, 2021

**OFFICE MEMORANDUM**

Sub: **Monthly Summary for the Cabinet concerning Ministry of Power for the month of September, 2021.**

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, 2021.



**Encl: As above.**

(R.N. Singh)

Deputy Secretary to the Govt. of India

Telefax: 23711712

To

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

Copy also forwarded to:

Secretary, D/o Telecommunication, New Delhi.  
Secretary, D/o Education, New Delhi.  
Secretary, D/o Scientific & Industrial Research, New Delhi.  
Secretary, Legislative Department, New Delhi.  
Secretary, D/o Statistics, New Delhi.  
Secretary, D/o Urban Development, New Delhi.  
Secretary, D/o Rural Development, New Delhi.  
Secretary, D/o Agriculture & Cooperation, New Delhi.  
Secretary, M/o New and Renewable Energy Sources, New Delhi.  
Secretary, D/o Industrial Development, New Delhi.  
Secretary, M/o Petroleum & Natural Gas, New Delhi.  
Secretary, D/o Road Transport & Highway, Parivahan Bhawan, New Delhi.  
Secretary, D/o Water Resources, New Delhi.  
Secretary, D/o Atomic Energy, New Delhi.  
Foreign Secretary, M/o External Affairs, New Delhi.  
Secretary, D/o Space, New Delhi.  
Secretary, D/o Programme Implementation, Sardar Patel Bhawan, N. Delhi.  
Economic Adviser, Ministry of Industry, Udyog Bhawan, New Delhi.

**SUMMARY REPORT FOR COUNCIL OF MINISTERS ON  
IMPORTANT DEVELOPMENTS IN POWER SECTOR  
DURING THE MONTH OF SEPTEMBER, 2021**

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

1.1 Hydro Capacity of 100 MW has been added during the month of **September**, 2021 after commissioning of the following projects:

Details of projects commissioned during the month of **September**, 2021:

Sl.	Project Name	Type	Sector	Developer	State	Commissioning Date	Capacity (MW)
1	Sorang HEP Unit #1&2 (50MW each)	Hydro	Private	M/s. Himachal Sorang Power Private Limited	Himachal Pradesh	Unit #1 on 23.09.2021 & Unit #2 on 21.09.2021	100

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)**

(All figures in MW)

Type	Achievement	Scheduled Generation Capacity addition	Achievement	% Achievement w.r.t. September, 2020
	September, 2020	September, 2021		
Thermal	0	890	0	NA
Hydro	0	0	100	NA
Nuclear	0	700	0	NA
All India	0	1590	100	NA

**NA- Not Applicable**

1.2 In the transmission sector 484ckm of 765kV AC lines, 330ckm of 400 kV AC lines and 122ckm of 220 kV AC lines have been laid during the month of **September, 2021**.

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	September, 2020	September, 2021	April, 2020 to September, 2020	April, 2021 to September, 2021
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	3531	0	3531	0
765 KV	0	484	2	1986
400 KV	345	330	1658	1838
220 KV	327	122	2523	2762
All India	4203	936	7714	6586

## 2. POWER DISTRIBUTION

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

Integrated Power Development Scheme (IPDS) was launched on 3<sup>rd</sup> December 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 as under:

- 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

So far, projects worth Rs. 31,027 crore have been sanctioned under IPDS, against which, Rs 16,361 crore have been released towards projects and Rs 256 crore released for enabling activities.

The erstwhile R-APDRP has been subsumed in IPDS along with outlay of Rs 44,011 crore having a budgetary support of Rs 22,727 crore for 12th & 13th Plan. Projects under the RAPDRP are taken up in two parts. Part-A is the projects for establishment of baseline data and IT applications for energy accounting/ auditing & LT based consumer service centres and Part-B is regular distribution strengthening projects. Under R-APDRP, projects worth Rs 31,651 crore (Rs.4522 crore for Part-A (IT), Rs. 937 crore for Part-A (SCADA) and Rs 26,192



crore for Part-B) have been sanctioned. So far, Rs 13,294 crore has been released for RAPDRP projects in addition to Rs 535 crore for enabling activities.

## **2.2 DeendayalUpadhaya Gram JyotiYojana (DDUGJY):**

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

- i. To separate agriculture and non-agriculture feeders to facilitate DISCOMs in the judicious rostering of supply to agricultural & non- agricultural consumers in rural areas.
- ii. Strengthening and Augmentation of Sub Transmission & Distribution infrastructure in rural areas and metering at Distribution Transformers, Feeder and consumers end in rural areas.
- iii. The erstwhile rural electrification scheme was subsumed in DDUGJY as a separate rural electrification component and the approved outlay of the erstwhile scheme has been carried forward to the DDUGJY.

### **Scheme Outlay:**

DDUGJY (i) &(ii)	- Outlay: Rs.43033 Crore, Subsidy: Rs. 33453 Crore
RE Component (iii)	- Outlay: Rs.32860 Crore, Subsidy: Rs. 29574 Crore
Total Outlay	- Outlay: Rs.75893 Crore, Subsidy: Rs. 63027 Crore

### **Status of Implementation of DDUGJY Projects (as on 30.09.2021)**

Projects with total cost of Rs.48484crore have been sanctioned in 33 States/UTs.

- Feeder Separation works completed-127655Ckm
- Distribution Transformers installed -390265 Nos.
- Commissioning of S/S including augmentation -3975 Nos.
- HT Line Completed-133986Ckm, LT Line Completed-288312Ckm

**Note: As per Sept 2021-MIS, Achievements of Feeder Separation Works, Sub Stations Commissioned, HT & LT Line under DDUGJY (New) have reduced as compared to achievements of August 2021.**

Besides above, additional amount of Rs. 14179 crore has been sanctioned for creation of additional infrastructure to support household electrification under SAUBHAGYA.

- Distribution Transformers installed – 217816Nos.
- Commissioning of S/S including augmentation -227 Nos.
- HT Line- 66292Ckm, LT Line-193606Ckm

Gol Grant released since 2014-15- Rs. 53335.80Crore  
(including RE component subsumed from erstwhile scheme)

### **Village Electrification**

All inhabited census villages in the country stand electrified as on 28th April, 2018.

### **3. GENERATION PERFORMANCE**

- (i) The total electricity generation including generation from renewable sources in the country during the month of September 2021 was 1,21,995 MU as against the generation of 1,21,585 MU during the corresponding period last year, showing a growth of 0.34%.
- (ii) The actual electricity generation from Fossil Fuel Power Plants (Thermal) during September 2021 has decreased by 0.68% over same period last year. The actual energy generation from thermal plants was 85,404 MU which is 89.77% of the program.
- (iii) Coal based generation has decreased by 0.51%, Lignite based generation has also increased by 33.01% and Gas based generation has decreased by 21.20% during September 2021 as compared to same period last year.
- (iv) The actual electricity generation from Non-Fossil Fuel Power Plants during September 2021 has increased by 2.79% over same period last year. Share of generation from Non-Fossil Fuel in total generation has been 30.0% during the month of September 2021.
- (v) Hydro based generation has decreased by 5.68%. Solar based generation has increased 12.31%. Wind based Generation has increased by 32.44%. and Bio Power & other RE generation has increased by 6.97%. during September 2021 as compared to last year during same period.
- (vi) Overall Renewable Generation (Including Hydro) has increased by 3.42% and Nuclear based generation has increased by 2.79% during September 2021 as compared to last year during same period.
- (vii) In September, 2021, against a target of 2535 Ckm, stringing of 936 Ckm transmission lines was completed. Work was affected due to Pandemic.
- (viii) During the month, overall Deficit of 1.69% was registered in generation as compared to the generation performance of September, 2020 as mentioned in the table below:-

(All fig. in BUs)

TYPE OF GENERATION	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% Change of Achievement w.r.t. SEPTEMBER, 2020
	SEPTEMBER, 2020	SEPTEMBER, 2021	SEPTEMBER, 2021	
<b>THERMAL</b>	85.988	95.135	85.404	-0.68
<b>NUCLEAR</b>	3.882	3.882	3.793	-2.30
<b>HYDRO</b>	18.890	17.642	17.818	-5.68
<b>BHUTAN IMP</b>	1.452	0.920	1.336	-7.98
<b>TOTAL</b>	110.212	117.579	108.351	-1.69

\*Generation from plants 25 MW & above Capacity (from fuel sources i.e. hydro, thermal and nuclear only)

\*\* Provisional based on actual-cum- assessment

#### 4. 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.

#### 5. COAL SUPPLY POSITION:

The receipt, consumption and coal stock for 135 TPPs monitored in September, 2021 vis-a-vis 134 TPPs monitored in September, 2020 are as under:

	August, 2021 (in MT)	August, 2020 (in MT)
A. Opening Stock (as on 1st Sep, 2021)	12.75	37.69
B. Receipt	45.44	39.87
C. Total available (A+B)	58.18	77.56
D. Consumption	50.16	43.29
E. Balance Stock(C-D) (as on 1st Oct, 2021)	8.08	34.19

\* The figures for Row E may not match C-D due to stock adjustment by various plants

(a) Further, NTPC have informed that the average coal stock at Pit-head Stations was for 4.4 days (against CERC norms of 10 days) and at Non-pithead stations the average coal stock was for 1.3 days (against CERC norms of 20 days). In respect of NTPC Subsidiaries/JVs (7 Plants), the average coal stock was for 1.7 days.

(b) In respect of Damodar Valley Corporation (DVC), the average coal stock at DVC's thermal power stations was for 2 days.

(c) Ministry of Power (MOP) has constituted a Core Management Team (CMT) to ensure close monitoring and enabling emergency response considering the critical coal stock position at thermal power plants (TPPs). The coal supply position is being reviewed on daily basis and various emergent operational decisions are being taken to augment supply of sufficient coal.



**6. REGION WISE POWER SUPPLY SITUATION:**

For the month of September-2021, 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.

MUN  
01.11.2021  
(Mritunjay Kumar Narayan)  
Joint Secretary to the Govt. of India



**CENTRAL ELECTRICITY AUTHORITY**  
**G O & D WING**  
**OPERATION PERFORMANCE MONITORING DIVISION**  
**ENERGYWISE - PERFORMANCE STATUS ALL INDIA - REGIONWISE**

PERIOD:SEP-2021 VIS-A-VIS SEP-2020 AND APR-SEP-2021 VIS-A-VIS APR-SEP-2020

2. SUMMARY - SECTOR WISE

Category / Sectors	Monitored Capacity (MW)	Target Apr 2021 to Mar 2022	GENERATION (GWH)										PLANT LOAD FACTOR (%)					
			SEP-2021					APRIL 2021 - SEP-2021					SEP-2021			APRIL 2021 - SEP-2021		
			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)	PROGRA M	ACTUAL *	ACTUAL SAME MONTH	PROGRA M	ACTUAL *	ACTUAL SAME PERIOD
					2020-21					2020-21					2020-21			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
THERMAL																		
CENTRAL SECTOR																		
APCPL	1500.00	3500.00	288.00	584.35	564.21	202.90	103.57	1755.00	3037.01	754.43	173.05	402.56	26.67	54.11	52.24	26.64	46.10	11.45
BRBCL	750.00	5200.00	408.00	284.86	309.39	69.82	92.07	2501.00	2380.34	1697.97	95.18	140.19	56.67	52.75	57.29	56.94	72.26	51.55
DVC	6750.00	38625.00	3205.00	3258.06	3359.62	101.66	96.98	19232.00	20237.34	16763.23	105.23	120.72	63.96	67.04	67.04	62.91	67.92	54.84
K.B.U.N.L	610.00	3000.00	256.00	146.44	97.15	57.20	150.74	1442.00	1393.79	962.39	96.66	144.83	58.29	33.34	22.12	53.82	52.02	35.92
MUNPL	1320.00	6590.00	591.00	757.99	322.28	128.26	235.20	3603.00	4259.53	1337.90	118.22	318.37	62.18	79.75	67.82	62.15	73.47	46.15
NEEPCO.	527.00	2960.00	236.00	272.50	211.48	115.47	128.85	1476.00	1772.74	1325.23	120.10	133.77						
NLC	3640.00	20400.00	1758.00	1872.92	1201.31	106.54	155.91	9980.00	11734.58	8411.03	117.58	139.51	67.08	68.70	46.98	62.43	74.10	54.24
NPGCL	1320.00	6400.00	549.00	703.40	450.57	128.12	156.11	3064.00	3333.90	2514.44	108.81	132.59	38.51	74.01	94.82	48.85	79.06	86.74
NSPL	500.00	3850.00	338.00	194.80	294.83	57.63	66.07	1841.00	1803.68	1357.73	97.97	132.85	62.59	54.11	81.90	59.12	82.13	61.83
NTECL	1500.00	8000.00	476.00	659.81	70.28	138.62	938.83	3777.00	3950.63	1005.28	104.60	392.99	44.07	61.09	6.51	57.33	59.97	15.26
NTPC Ltd.	51467.23	253450.00	20372.00	23923.05	21643.27	117.43	110.53	123576.00	142829.73	124121.95	115.58	115.07	56.99	69.24	65.95	56.97	69.78	62.09
NTPL	1000.00	5600.00	490.00	294.54	417.08	60.11	70.62	2687.00	2576.15	2610.58	95.87	98.68	68.06	40.91	57.93	61.18	58.66	59.44
NUPPL	0.00	1000.00	89.00	0.00	0.00	0.00	0.00	457.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ONGC	726.60	5000.00	431.00	424.44	449.87	98.48	94.35	2426.00	1734.27	2625.15	71.49	66.06						
RGPL	1967.08	3020.00	251.00	221.69	207.27	88.32	106.96	1500.00	1881.53	1163.25	125.44	161.75						
CENTRAL SECTOR	73577.91	366595.00	29738.00	33598.85	29598.60	112.98	113.51	179317.00	202925.22	166650.56	113.17	121.77	57.08	67.64	63.19	57.20	68.94	58.12
STATE SECTOR	74374.86	388240.00	31441.00	23999.41	22236.65	76.33	107.93	191892.00	155836.59	127883.89	81.21	121.86	58.13	47.30	43.30	58.85	50.20	40.04
PVT SECTOR	2917.00	17485.00	1489.00	1593.87	1247.06	107.04	127.81	9029.00	8931.05	6987.43	98.92	127.82	70.79	76.66	57.09	71.08	70.49	52.10
IPP SECTOR	83321.95	382880.00	32467.00	26211.62	32905.37	80.73	79.66	189592.00	183011.16	171793.47	96.53	106.53	59.11	47.99	60.30	56.50	54.75	51.14
TOTAL THERMAL	234191.72	1155200.00	95135.00	85403.75	85987.68	89.77	99.32	569830.00	550704.02	473315.35	96.64	116.35	58.29	54.25	55.57	57.68	57.84	49.63
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	43020.00	3882.00	3792.80	3881.96	97.70	97.70	22040.00	21801.88	22253.57	98.92	97.97	73.06	78.86	80.71	68.00	74.31	75.85
CENTRAL SECTOR	6780.00	43020.00	3882.00	3792.80	3881.96	97.70	97.70	22040.00	21801.88	22253.57	98.92	97.97	73.06	77.70	79.52	68.00	73.22	74.73
TOTAL NUCLEAR	6780.00	43020.00	3882.00	3792.80	3881.96	97.70	97.70	22040.00	21801.88	22253.57	98.92	97.97	73.06	77.70	79.52	68.00	73.22	74.73
HYDRO																		
CENTRAL SECTOR																		
BBMB	2920.30	9650.00	1043.00	1088.80	1363.96	104.39	79.83	5974.00	5682.09	7256.03	95.11	78.31						
DVC	143.20	215.00	39.00	76.71	38.90	196.69	197.20	139.00	320.63	257.06	230.67	124.73						
NEEPCO.	1500.00	4908.00	640.00	592.68	452.57	92.61	130.96	3338.00	3019.31	2361.82	90.45	127.84						
NHDC	1520.00	3900.00	417.00	99.51	1050.59	23.86	9.47	1583.00	1342.02	2507.95	84.78	53.51						
NHPC	5451.20	26000.00	2897.00	2931.47	2850.93	101.19	102.82	18126.00	17056.65	17440.29	94.10	97.80						
NTPC Ltd.	800.00	3100.00	360.00	427.68	411.62	118.80	103.90	2539.00	2422.76	2641.87	95.42	91.71						
SJVNL	1912.02	9111.00	1166.00	1284.09	1299.49	110.13	98.81	7031.00	6737.42	7085.80	95.82	95.08						
THDC	1400.00	4160.00	344.00	552.35	429.55	160.57	128.59	2206.00	2025.87	2282.28	91.83	88.77						
CENTRAL SECTOR	15646.72	61044.00	6906.00	7053.29	7897.61	102.13	89.31	40936.00	38606.75	41833.10	94.31	92.29						
STATE SECTOR	27114.50	74198.00	9008.00	8821.50	9009.81	97.93	97.91	42154.00	43897.14	44285.63	104.14	99.12						
PVT SECTOR	447.00	1470.00	120.00	127.37	120.91	106.14	105.34	785.00	828.13	808.08	105.49	102.48						

IPP SECTOR	3304.00	12832.00	1608.00	1815.83	1862.09	112.92	97.52	9740.00	9526.97	9999.28	97.81	95.28				
TOTAL HYDRO	46512.22	149544.00	17642.00	17817.99	18890.42	101.00	94.32	93615.00	92858.99	96926.09	99.19	95.80				
BHUTAN IMP																
	0.00	8236.00	920.00	1335.97	1451.80	145.21	92.02	6108.00	5710.47	6809.50	93.49	83.86				
ALL INDIA TOTAL	287483.94	1356000.00	117579.00	108350.51	110211.86	92.15	98.31	691593.00	671075.36	599304.51	97.03	111.98				

\* PROVISIONAL BASED ON ACTUAL-CUM-ASSESMENT

## G. Power Supply Position (Energy &amp; Peak) in Sep-2021

Region	Energy (MU)				Surplus (+) /Deficit (-) in %	
	Requirement		Availability			
	Sep-2020	Sep-2021	Sep-2020	Sep-2021	Sep-2020	Sep-2021
Northern	40,958	36,658	40,854	36,435	-0.3	-0.6
Western	30,780	32,671	30,780	32,671	0.0	0.0
Southern	25,203	28,582	25,201	28,578	0.0	0.0
Eastern	13,863	15,059	13,841	14,980	-0.2	-0.5
North Eastern	1,604	1,693	1,565	1,692	-2.4	0.0
All India	112,407	114,663	112,241	114,357	-0.1	-0.3
Region	Power (MW)				Surplus(+) / Deficit (-) in %	
	Peak Demand		Peak Met			
	Sep-2020	Sep-2021	Sep-2020	Sep-2021	Sep-2020	Sep-2021
Northern	67891	63964	67806	63559	-0.1	-0.6
Western	49385	52186	49368	52186	0.0	0.0
Southern	44714	53388	44625	53388	-0.2	0.0
Eastern	23658	24515	23563	24515	-0.4	0.0
North Eastern	3294	3231	3104	3231	-5.8	0.0
All India	177019	181121	176413	180749	-0.3	-0.2

Sep-2021 Figures are  
\* Provisional