No. 20/01/2020-Coord.
Government of India
Ministry of Power.
***

Shram Shakti Bhawan, Rafi Marg,
New Delhi, the 1st December, 2020

OFFICE MEMORANDUM

Sub: **Monthly Summary for the Cabinet concerning Ministry of Power for the month of October, 2020.**

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 October, 2020.

Encl: As above.

B. Neeraja

(B. Neeraja)
Under Secretary to the Government of India
Telefax: 011-23719637

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.
2. Secretary, D/o Education, New Delhi.
3. Secretary, D/o Scientific & Industrial Research, New Delhi.
4. Secretary, Legislative Department, New Delhi.
5. Secretary, D/o Statistics, New Delhi.
6. Secretary, D/o Urban Development, New Delhi.
7. Secretary, D/o Rural Development, New Delhi.
8. Secretary, D/o Agriculture & Cooperation, New Delhi.
9. Secretary, M/o New and Renewable Energy Sources, New Delhi.
10. Secretary, D/o Industrial Development, New Delhi.
11. Secretary, M/o Petroleum & Natural Gas, New Delhi.
12. Secretary, D/o Road Transport & Highway, Parivahan Bhawan, New Delhi.
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)

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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.

SUMMARY REPORT FOR COUNCIL OF MINISTERS ON IMPORTANT DEVELOPMENTS IN POWER SECTOR DURING THE MONTH OF OCTOBER, 2020

1. CAPACITY ADDITION (Transmission)

1.1 In the transmission sector 210 ckm of 400 kV AC lines and 170 ckm of 220 kV AC lines have been laid during the month **October, 2020**.

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	OCT-2019	OCT-2020	APRIL-19 to OCT-19	APRIL-20 to OCT-2020
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	0	3531
765 KV	0	0	1048	2
400 KV	168	210	1862	1868
220 KV	517	170	3078	2693
All India	**685**	**380**	**5988**	**8094**

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 as under:

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

Projects worth Rs.30,961.94 crore (Distribution strengthening projects worth Rs.28,240.27 crore covering 546 circles, GIS projects worth Rs.903.98 crore, projects worth Rs.725.24 crore for IT enablement of 1588 towns, projects worth Rs.594.55 crore for ERP

Implementation, Smart metering projects worth Rs.359.12 crore and projects worth Rs.138.78 crore for RT-DAS) have been sanctioned. Rs 14,082 crore have been released towards projects and Rs 206 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 & IT based consumer service centres and Part-B is regular distribution strengthening projects. Under R-APDRP, projects worth Rs 32,313 crore (Rs. 4715 crore for Part-A (IT), Rs. 1107 crore for Part-A (SCADA) and Rs 26,491 crore for Part-B) have been sanctioned. So far, Rs 12,998 crore has been released for RAPDRP projects in addition to Rs 534 crore for enabling activities.

2.2 Deendayal Upadhaya Gram Jyoti Yojana (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 new Projects (as on 31.10.2020)
Projects with total cost of Rs.44416 crore have been sanctioned in 33 States/UTs.

- Feeder Separation works completed-120705Ckm
- Distribution Transformers installed – 360914Nos.
- Commissioning of S/S including augmentation -3649 Nos.
- HT Line Completed-134670Ckm,
- LT Line Completed-273818Ckm

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 – 205253 Nos.
- Commissioning of S/S including augmentation -221 Nos.
- HT Line- 63767Ckm,
- LT Line-180997Ckm

GoI Grant released since 2014-15: Rs. 49232.25 Crore
(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 October 2020 was 1,17,718 MU as against the generation of 1,06,544 MU during the corresponding period last year, showing a growth of 10.49%.

ii. The electricity generation from conventional sources in the country during the month of October 2020 was 1,07,694 MU as against the generation of 98,909 MU during the corresponding period last year, showing a growth of 8.88%.

iii. iii. The actual electricity generation from thermal power plants during October 2020 has increased by 13.31% over same period last year. The actual energy generation from thermal plants was 89,644 MU. Coal based generation has increased by 14.56%, Lignite based generation has decreased by 18.70% and Gas based generation has increased by 12.63% during October 2020 as compared to same period last year

iv. Hydro based generation has decreased by 10.27% and Nuclear based generation has also decreased by 9.92% during October, 2020 as compared to last year during same period.

v. In October 2020, stringing of 380 Ckm transmission lines was completed.

a) During the month of October 2020, the overall growth of 8.88 % was registered in monthly generation as compared to the generation performance of October 2019 and also mentioned in the table below:-

(All fig. in MUs)

TYPE OF GENERATION	ACHIEVEMENT Oct. 2019	TARGETS Oct. 2020	ACHIEVEMENT Oct. 2020	% CHANGE ACHIEVEMENT w.r.t.Oct. 2019
THERMAL	79114.95	89596	89644.48	113.31
NUCLEAR	4312.43	4073	3884.44	90.08
HYDRO	14636.31	11985	13133.22	89.73
BHUTAN IMP	845.3	663	1031.53	122.03
TOTAL	98908.99	106317	107693.67	108.88

**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 and consumption of coal by 136 nos. of plants monitored on daily basis for October,2020 vis-d-vis by 131 nos. of plants monitored daily in October,2019 are as under:

	September, 2020 (in MT)	**September, 2019 (in MT)**
A. Opening Stock (as on 1st October, 2020)	34.199	17.257
B. Receipt	43.445	40.310
C. Total available (A+B)	77.644	57.567
D. Consumption	43.867	38.891
E. Balance Stock(C-D)* (as on 1st November, 2020)	33.851	18.871

* The figures for row E need not be equal to C-D because of stock adjustments by various plants.

6. REGION WISE POWER SUPPLY SITUATION:

For the month of October-2020, 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.

(Raj Pal)
Sr. Adviser

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

PERIOD:OCT-2020 VIS-A-VIS OCT-2019 AND APR-OCT-2020 VIS-A-VIS APR-OCT-2019

2. SUMMARY - SECTOR WISE

Category / Sectors	Monitored Capacity (MW)	Target Apr 2020 to Mar 2021	GENERATION (GWH)										PLANT LOAD FACTOR (%)					
			OCT-2020					APRIL 2020 - OCT-2020					OCT-2020			APRIL 2020 - OCT-2020		
			PROGRAM	ACTUAL *	ACTUAL SAME MONTH 2019-20	% OF PRO-GRAM (4/3)	% OF LAST YEAR (4/5)	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD 2019-20	% OF PROGRAM (9/8)	% OF LAST YEAR (9/10)	PROGRAM	ACTUAL *	ACTUAL SAME MONTH 2019-20	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD 2019-20
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
THERMAL																		
CENTRAL SECTOR																		
APCPL	1500.00	6000.00	334.00	434.37	300.97	130.05	144.32	3497.00	1188.80	2261.87	33.99	52.56	29.93	38.92	26.97	45.39	15.43	29.36
BRBCL	750.00	4150.00	341.00	434.84	364.43	127.52	119.32	2229.00	2132.81	2579.90	95.68	82.67	61.11	77.93	65.31	57.87	55.37	66.98
DVC	6960.00	38600.00	3094.00	3601.55	2339.09	116.40	153.97	22493.00	20364.78	22064.10	90.54	92.30	59.75	69.55	44.34	62.92	56.97	60.59
K.B.U.N.L	610.00	3000.00	248.00	197.96	227.23	79.82	87.12	1799.00	1160.35	1894.68	64.50	61.24	54.64	43.62	50.07	57.42	37.04	60.48
MUNPL	660.00	4000.00	482.00	366.83	1.83	76.11	20045.36	2299.00	1704.73	1050.67	74.15	162.25	49.08	74.70	0.37	43.07	50.29	32.50
NEEPCO.	527.00	2827.00	255.00	244.36	266.68	95.83	91.63	1654.00	1569.59	1755.60	94.90	89.40						
NLC	3140.00	21086.00	1710.00	1141.42	1735.29	66.75	65.78	12440.00	9552.45	11308.03	76.79	84.47	57.60	43.39	74.28	60.70	52.79	70.12
NPGCL	660.00	3800.00	270.00	391.44	394.28	144.98	99.28	2079.00	2905.88	700.33	139.77	414.93	53.56	79.72	80.29	61.13	85.73	72.48
NSPCL	500.00	3600.00	284.00	315.99	209.40	111.26	150.90	2242.00	1673.72	1743.40	74.65	96.00	76.34	84.94	56.29	87.31	65.18	67.89
NTECL	1500.00	7950.00	600.00	378.71	353.79	63.12	107.04	4520.00	1383.99	3187.70	30.62	43.42	53.76	33.93	31.70	58.67	17.96	41.38
NTPC Ltd.	49667.23	259166.00	20460.00	21679.47	19361.55	105.96	111.97	150795.00	145801.42	145749.93	96.69	100.04	55.62	63.48	59.83	61.85	62.49	66.97
NTPL	1000.00	6100.00	392.00	513.56	308.23	131.01	166.62	3440.00	3124.14	2239.77	90.82	139.48	52.69	69.03	41.43	66.98	60.83	43.61
ONGC	726.60	4759.00	413.00	447.58	299.52	108.37	149.43	2745.00	3072.73	2767.09	111.94	111.05						
RGPPL	1967.08	4505.00	389.00	218.48	355.09	56.16	61.53	2656.00	1381.73	2536.42	52.02	54.48						
CENTRAL SECTOR	**70167.91**	**369543.00**	**29272.00**	**30366.56**	**26517.38**	**103.74**	**114.52**	**214888.00**	**197017.12**	**201839.49**	**91.68**	**97.61**	**55.56**	**62.49**	**56.41**	**61.32**	**58.85**	**63.94**
STATE SECTOR	**74247.36**	**375900.00**	**29419.00**	**24215.52**	**22320.07**	**82.31**	**108.49**	**219925.00**	**152099.37**	**184472.97**	**69.16**	**82.45**	**52.51**	**44.21**	**41.30**	**59.21**	**40.65**	**51.53**
PVT SECTOR	**2917.00**	**18752.00**	**1528.00**	**1554.71**	**1440.22**	**101.75**	**107.95**	**11558.00**	**8542.14**	**11151.52**	**73.91**	**76.60**	**70.27**	**69.81**	**64.84**	**77.45**	**54.67**	**62.98**
IPP SECTOR	**83921.95**	**374338.00**	**29377.00**	**33507.69**	**28837.28**	**114.06**	**116.20**	**222100.00**	**205301.14**	**216505.72**	**92.44**	**94.82**	**51.90**	**59.47**	**50.75**	**57.05**	**52.34**	**55.16**
TOTAL THERMAL	**231254.22**	**1138533.00**	**89596.00**	**89644.48**	**79114.95**	**100.05**	**113.31**	**668471.00**	**562959.76**	**613969.70**	**84.22**	**91.69**	**53.49**	**55.51**	**49.47**	**59.35**	**50.48**	**56.64**
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	43880.00	4073.00	3884.44	4312.43	95.37	90.08	25428.00	26137.99	28338.90	102.79	92.23	74.18	78.16	86.77	69.91	76.19	82.60
CENTRAL SECTOR	**6780.00**	**43880.00**	**4073.00**	**3884.44**	**4312.43**	**95.37**	**90.08**	**25428.00**	**26137.99**	**28338.90**	**102.79**	**92.23**	**74.18**	**77.01**	**85.49**	**69.91**	**75.06**	**81.38**
TOTAL NUCLEAR	**6780.00**	**43880.00**	**4073.00**	**3884.44**	**4312.43**	**95.37**	**90.08**	**25428.00**	**26137.99**	**28338.90**	**102.79**	**92.23**	**74.18**	**77.01**	**85.49**	**69.91**	**75.06**	**81.38**
HYDRO																		
CENTRAL SECTOR																		
BBMB	2920.30	9600.00	723.00	987.00	941.21	136.51	104.87	6675.00	8243.03	8678.92	123.49	94.98						
DVC	143.20	206.00	35.00	50.39	69.59	143.97	72.41	189.00	307.45	138.50	162.67	221.99						
NEEPCO.	1200.00	4472.00	500.00	463.77	278.76	92.75	166.37	3372.00	2825.59	2524.72	83.80	111.92						
NHDC	1520.00	2700.00	260.00	315.08	616.40	121.18	51.12	1358.00	2823.02	2784.20	207.88	101.39						
NHPC	5451.20	24542.00	1849.00	1748.56	1760.27	94.57	99.33	19449.00	19188.85	19220.02	98.66	99.84						
NTPC Ltd.	800.00	3482.00	195.00	169.84	175.17	87.10	96.96	2702.00	2811.71	2948.56	104.06	95.36						
SJVNL	1912.02	8678.00	599.00	603.25	610.96	100.71	98.74	7138.00	7689.06	8009.36	107.72	96.00						
THDC	1400.00	4160.00	288.00	248.52	334.20	86.29	74.36	2475.00	2530.80	2566.37	102.25	98.61						
CENTRAL SECTOR	**15346.72**	**57840.00**	**4449.00**	**4586.41**	**4786.56**	**103.09**	**95.82**	**43358.00**	**46419.51**	**46870.65**	**107.06**	**99.04**						
STATE SECTOR	**26958.50**	**68768.00**	**6636.00**	**7513.13**	**8767.97**	**113.22**	**85.69**	**46594.00**	**51798.74**	**51354.09**	**111.17**	**100.87**						
PVT SECTOR	**447.00**	**1470.00**	**123.00**	**131.18**	**117.96**	**106.65**	**111.21**	**905.00**	**939.27**	**919.93**	**103.79**	**102.10**						

IPP SECTOR	2947.00	12279.00	777.00	902.50	963.82	116.15	93.64	10149.00	10901.79	11485.83	107.42	94.92
TOTAL HYDRO	45699.22	140357.00	11985.00	13133.22	14636.31	109.58	89.73	101006.00	110059.30	110630.50	108.96	99.48
BHUTAN IMP												
	0.00	7230.00	663.00	1031.53	845.30	155.59	122.03	5484.00	7841.03	5029.40	142.98	155.90
ALL INDIA TOTAL	283733.44	1330000.00	106317.00	107693.67	98908.99	101.29	108.88	800389.00	706998.08	757968.50	88.33	93.28

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESMENT

Annex-2

Power Supply Position (Energy & Peak) in October-2020

Region	Energy (MU)				Surplus(+) /Deficit (-) in %	
	Requirement		Availability			
	Oct-2019	Oct-2020	Oct-2019	Oct-2020	Oct-2019	Oct-2020
Northern	30,081	33,950	29,629	33,876	-1.5	-0.2
Western	29,635	35,061	29,635	35,061	0.0	0.0
Southern	25,069	25,908	25,067	25,908	0.0	0.0
Eastern	12,055	13,082	12,046	13,082	-0.1	0.0
North Eastern	1,523	1,628	1,470	1,602	-3.4	-1.6
All India	98,363	109,630	97,847	109,530	-0.5	-0.1

Region	Power (MW)				Surplus(+) /Deficit (-) in %	
	Peak Demand		Peak Met			
	Oct-2019	Oct-2020	Oct-2019	Oct-2020	Oct-2019	Oct-2020
Northern	50,119	58,213	49,615	57,975	-1.0	-0.4
Western	50,631	52,688	50,631	52,688	0.0	0.0
Southern	41,523	43,710	41,492	43,710	-0.1	0.0
Eastern	21,726	22,845	21706	22,845	-0.1	0.0
North Eastern	2,989	3,122	2,878	3,107	-3.7	-0.5
All India	164,936	170,284	164,259	170,045	-0.4	-0.1

* October-2020 Figures are Provisional