



No. 20/03/2021-Coord.
Government of India
Ministry of Power.

Shram Shakti Bhawan, Rafi Marg,
New Delhi, the 06th December, 2021

OFFICE MEMORANDUM

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

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(ii) PPS to Secretary (Power)



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To

All Members of Council of Ministers.

Copy with enclosures forwarded to:

Deputy Chairman and Member, Niti Aayog, New Delhi.

Chairman, UPSC, New Delhi.

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

Director, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.

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

1. CAPACITY ADDITION (Generation and Transmission)

1.1 Thermal capacity of 1320MW, Hydro Capacity of 0 MW and Nuclear capacity of 0 MW has been added during the month of **October**, 2021 after commissioning of the following projects:

Details of projects commissioned during the month of **October**, 2021

Sl.	Project Name	Type	Sector	Developer	State	Commissioning Date	Capacity (MW)
1	Suratgarh STPP Unit-8	Coal	State	M/S RRVUNL	Rajasthan	06.10.2021	660
2	Barh STPP Stage-I Unit- 1	Coal	Central	M/S NTPC	Bihar	30.10.2021	660

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	Scheduled Generation Capacity addition	Achievement	% Achievement w.r.t.October, 2020
	October, 2020	October, 2021		
Thermal	0	2120	1320	NA
Hydro	0	0	0	NA
Nuclear	0	0	0	NA
All India	0	2120	1320	NA

NA- Not Applicable

1.2 In the transmission sector 713ckm of 765kV AC lines, 857ckm of 400 kV AC lines and 575ckm of 220 kV AC lines have been laid during the month of **October**, 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	October, 2020	October, 2021	April, 2020 to October, 2020	April, 2021 to October, 2021
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	3531	0
765 KV	0	713	2	2699
400 KV	210	857	1868	2695
220 KV	170	575	2693	3337
All India	380	2145	8094	8731

2. POWER DISTRIBUTION

2.1 Integrated Power Development Scheme (IPDS):

Integrated Power Development Scheme (IPDS) was launched on 3rd 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:

- 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

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 Upadhaya 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 31.10.2021)

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

- Feeder Separation works completed-122123Ckm
- Distribution Transformers installed -391024 Nos.
- Commissioning of S/S including augmentation -3980 Nos.
- HT Line Completed-138665Ckm, LT Line Completed-288339Ckm

Note: As per Oct 2021-MIS, Achievement of Feeder Separation Works under DDUGJY (New) has reduced as compared to achievement of September 2021. It is due to closure of 26 DDUGJY New Projects in October 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

GoI Grant released since 2014-15- Rs. 53345.33Crore
(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 2021 was 1,21,777 MU as against the generation of 1,18,515 MU during the corresponding period last year, showing a growth of 2.75%.

(ii) The actual electricity generation from Fossil Fuel Power Plants (Thermal) during October 2021 has increased by 0.27% over same period last year.

(iii) Coal based generation has increased by 1.04%, Lignite based generation has also increased by 27.00% and Gas based generation has decreased by 25.88% during October 2021 as compared to same period last year.

(iv) The actual electricity generation from Non-Fossil Fuel Power Plants during October 2021 has increased by 10.45% over same period last year. Share of generation from Non-Fossil Fuel in total generation has been 26.18% during the month of October 2021.

(v) Hydro based generation has increased by 18.29%. Solar based generation has increased 23.60%. Wind based Generation has decreased by 28.49%. and Bio Power & other RE generation has increased by 9.25% during October 2021 as compared to last year during same period.

(vi) Overall Renewable Generation (Including Hydro) has increased by 10.73% and Nuclear based generation has increased by 8.71% during October 2021 as compared to last year during same period.

(vii) In Oct, 2021, against a target of 533 Ckm, stringing of 2145 Ckm transmission lines was completed.

(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	
THERMAL	85.988	95.135	85.404	-0.68
NUCLEAR	3.882	3.882	3.793	-2.30
HYDRO	18.890	17.642	17.818	-5.68
BHUTAN IMP	1.452	0.920	1.336	-7.98
TOTAL	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 inPrivate 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 October, 2021 vis-a-vis 134 TPPs monitored in October, 2020 are as under:

	Oct, 2021 (in MT)	Oct, 2020 (in MT)
A. Opening Stock (as on 1 st Oct, 2021)	8.1	34.2
B. Receipt	53.4	43.4
C. Total available (A+B)	61.5	77.6
D. Consumption	51.4	43.9
E. Balance Stock(C-D) (as on 1 st Nov, 2021)	10.8	33.9

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

(a) Further, NTPC have informed that 5 plants have more than 6 days coal stock, 12 plants(Korba, Farakka, Kahalgaon, Unchahar, Mouda, Simhadri, Kudgi, Gadarwara, NTECL Vallur, KBUNL Kanti, BRBCL, Meja& NPGCL Nabinagar) have Super-critical stock. 9 plants have critical stock (Ramagundam,Darlipali, Tanda, Dadri, Barh, Bongaigaon, Barauni, Khargone, NSPCL Bhilai). However, the average coal stock at Pit-heat Stations was for 5.4 days (against CERC norms of 10 days) and at Non-pithead stations the average coal stock was for 4.8 days (against CERC norms of 20 days). In respect of NTPC Subsidiaries/JVs (7 Plants), the average coal stock was for 4.7 days.

(b) In respect of Damodar Valley Corporation (DVC), 6 plants out of 7 plants of DVC have coal stock for 3 days and Durgapur Thermal Power Station had coal stock for 14 days. The average coal stock at DVC's thermal power stations was for 3 days.

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.

(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:OCT-2021 VIS-A-VIS OCT-2020 AND APR-OCT-2021 VIS-A-VIS APR-OCT-2020

2. SUMMARY - SECTOR WISE

Category / Sectors	Monitored Capacity (MW)	Target Apr 2021 to Mar 2022	GENERATION (GWH)										PLANT LOAD FACTOR (%)					
			OCT-2021					APRIL 2021 - OCT-2021					OCT-2021			APRIL 2021 - OCT-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	297.00	629.13	434.34	211.83	144.85	2052.00	3666.12	1188.77	178.66	308.40	26.61	56.37	38.92	26.64	47.59	15.43
BRBCL	750.00	5200.00	460.00	407.77	408.38	88.65	99.85	2961.00	2788.07	2106.35	94.16	132.36	61.83	73.08	73.19	57.65	72.38	54.68
DVC	6750.00	38625.00	3164.00	2903.65	3609.91	91.77	80.44	22396.00	23140.25	20373.14	103.32	113.58	61.10	57.82	69.71	62.65	66.46	56.99
K.B.U.N.L	610.00	3000.00	265.00	209.39	197.87	79.02	105.82	1707.00	1602.87	1160.26	93.90	138.15	58.39	46.14	43.60	54.49	51.16	37.03
MUNPL	1320.00	6590.00	610.00	681.72	347.78	111.76	196.02	4213.00	4938.93	1685.68	117.23	292.99	62.11	69.42	70.83	62.14	72.85	49.73
NEEPCO.	527.00	2960.00	243.00	282.59	244.25	116.29	115.70	1719.00	2055.13	1569.48	119.55	130.94						
NLC	3640.00	20400.00	1680.00	1706.52	1173.07	101.58	145.47	11660.00	13473.51	9584.10	115.55	140.58	62.03	68.60	44.41	62.37	73.54	52.93
NPGCL	1320.00	6400.00	567.00	757.04	392.08	133.52	193.08	3631.00	4090.99	2906.52	112.67	140.75	38.49	77.09	79.85	46.88	78.66	85.74
NSPCL	500.00	3850.00	348.00	224.21	310.70	64.43	72.16	2189.00	2027.15	1668.43	92.61	121.50	62.37	60.27	83.52	59.61	78.94	64.97
NTECL	1500.00	8000.00	585.00	516.92	384.55	88.36	134.42	4362.00	4467.52	1389.83	102.42	321.44	52.42	46.32	34.46	56.62	57.99	18.04
NTPC Ltd.	52127.23	253450.00	21927.00	25001.58	21677.27	114.02	115.34	145503.00	167826.27	145799.22	115.34	115.11	59.46	69.95	64.12	57.33	69.81	62.39
NTPL	1000.00	5600.00	451.00	180.02	514.43	39.92	34.99	3138.00	2756.13	3125.01	87.83	88.20	60.62	24.20	69.14	61.10	53.66	60.85
NUPPL	0.00	1000.00	92.00	0.00	0.00	0.00	0.00	549.00	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	402.00	419.22	447.58	104.28	93.66	2828.00	2153.70	3072.73	76.16	70.09						
RGPPL	1967.08	3020.00	261.00	273.72	218.39	104.87	125.34	1761.00	2149.96	1381.64	122.09	155.61						
CENTRAL SECTOR	74237.91	366595.00	31352.00	34193.48	30360.60	109.06	112.62	210669.00	237136.61	197011.16	112.56	120.37	58.42	66.87	62.93	57.37	68.65	58.82
STATE SECTOR	74824.86	388240.00	33801.00	27774.95	24157.29	82.17	114.98	225693.00	183606.88	152041.18	81.35	120.76	60.60	52.72	44.13	59.10	50.57	40.64
PVT SECTOR	2917.00	17485.00	1550.00	1684.26	1554.56	108.66	108.34	10579.00	10615.12	8541.99	100.34	124.27	71.35	77.51	69.80	71.12	71.51	54.66
IPP SECTOR	83321.95	382880.00	33445.00	26248.22	33583.07	78.48	78.16	223037.00	209161.53	205376.54	93.78	101.84	58.92	47.20	59.68	56.85	53.68	52.38
TOTAL THERMAL	235301.72	1155200.00	100148.00	89900.91	89655.52	89.77	100.27	669978.00	640520.13	562970.87	95.60	113.78	59.47	55.48	55.71	57.94	57.51	50.51
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	3857.00	4314.73	3969.13	111.87	108.71	25897.00	26220.75	26222.70	101.25	99.99	70.25	86.82	79.86	68.32	76.43	76.43
CENTRAL SECTOR	6780.00	43020.00	3857.00	4314.73	3969.13	111.87	108.71	25897.00	26220.75	26222.70	101.25	99.99	70.25	85.54	78.69	68.32	75.30	75.30
TOTAL NUCLEAR	6780.00	43020.00	3857.00	4314.73	3969.13	111.87	108.71	25897.00	26220.75	26222.70	101.25	99.99	70.25	85.54	78.69	68.32	75.30	75.30
HYDRO																		
CENTRAL SECTOR																		
BBMB	2920.30	9650.00	729.00	917.39	990.45	125.84	92.62	6703.00	6600.05	8246.48	98.46	80.03						
DVC	143.20	215.00	39.00	66.99	55.25	171.77	121.25	178.00	387.09	312.31	217.47	123.94						
NEEPCO.	1500.00	4908.00	480.00	484.13	463.58	100.86	104.43	3818.00	3503.11	2825.40	91.75	123.99						
NHDC	1520.00	3900.00	376.00	219.22	312.28	58.30	70.20	1959.00	1560.83	2820.23	79.67	55.34						
NHPC	5451.20	26000.00	1934.00	2014.50	1750.53	104.16	115.08	20060.00	19070.12	19190.82	95.07	99.37						

NTPC Ltd.	800.00	3100.00	158.00	218.07	169.75	138.02	128.47	2697.00	2640.73	2811.62	97.91	93.92					
SJVNL	1912.02	9111.00	595.00	720.65	599.85	121.12	120.14	7626.00	7457.20	7685.65	97.79	97.03					
THDC	1400.00	4160.00	288.00	627.22	249.82	217.78	251.07	2494.00	2652.46	2532.10	106.35	104.75					
CENTRAL SECTOR	15646.72	61044.00	4599.00	5268.17	4591.51	114.55	114.74	45535.00	43871.59	46424.61	96.35	94.50					
STATE SECTOR	27114.50	74198.00	7207.00	9030.83	7524.02	125.31	120.03	49361.00	52890.58	51809.65	107.15	102.09					
PVT SECTOR	447.00	1470.00	125.00	129.76	130.34	103.81	99.56	910.00	947.92	938.42	104.17	101.01					
IPP SECTOR	3304.00	12832.00	826.00	1117.83	897.37	135.33	124.57	10566.00	10642.74	10896.65	100.73	97.67					
TOTAL HYDRO	46512.22	149544.00	12757.00	15546.59	13143.24	121.87	118.29	106372.00	108352.83	110069.33	101.86	98.44					
BHUTAN IMP																	
	0.00	8236.00	718.00	1036.10	960.70	144.30	107.85	6826.00	6670.60	7770.20	97.72	85.85					
ALL INDIA TOTAL	288593.94	1356000.00	117480.00	110798.33	107728.59	94.31	102.85	809073.00	781764.31	707033.10	96.62	110.57					

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

Power Supply Position (Energy & Peak) in September, 2021

Region	Energy (MU)				Surplus(+) /Deficit (-) in %	
	Requirement		Availability		Oct, 2020	Oct, 2021
	Oct, 2020	Oct, 2021	Oct, 2020	Oct, 2021		
Northern	33,871	33,914	33,802	33,115	-0.2	-2.4
Western	34,199	36,464	34,183	36,230	0.0	-0.6
Southern	25,764	28,508	25,763	28,470	0.0	-0.1
Eastern	13,823	14,199	13,807	13,978	-0.1	-1.6
North Eastern	1,643	1,618	1,618	1,615	-1.5	-0.2
All India	109,300	114,703	109,174	113,409	-0.1	-1.1

Region	Power (MW)				Surplus(+) /Deficit (-) in %	
	Peak Demand		Peak Met		Oct, 2020	Oct, 2021
	Oct, 2020	Oct, 2021	Oct, 2020	Oct, 2021		
Northern	58,213	57,896	57,975	57,491	-0.4	-0.7
Western	52,758	54,892	52,702	54,892	-0.1	0.0
Southern	43,865	47,736	43,710	47,729	-0.4	0.0
Eastern	23,424	24,604	23,374	24,604	-0.2	0.0
North Eastern	3,140	3,360	3,107	3,360	-1.1	0.0
All India	170,556	174,983	169,899	174,600	-0.4	-0.2

October, 2021 Figures
* are Provisional