No. 20/05/2019-Coord.

Government of India Ministry of Power.

Shram Shakti Bhawan, Rafi Marg, New Delhi, the 21th August, 2019

OFFICE MEMORANDUM

Subject: Monthly Summary for the Cabinet concerning Ministry of Power for the month of July, 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 July, 2019.

Encl: As above.

(P.B. S. Dinker)

Under Secretary to the Government of India

Telefax: 23752495

To

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 MOS(IC) for Power & NRE

(ii) Sr. PPS to Secretary (Power)

No. 20/05/2019-Coord.

Government of India Ministry of Power.

Shram Shakti Bhawan, Rafi Marg, New Delhi, the 21th August, 2019

OFFICE MEMORANDUM

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

Encl: As above.

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.

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

1. <u>CAPACITY ADDITION</u> (Generation and Transmission)

- **1.1** Thermal capacity of 1320 MW has been added during the month of July, 2019 after commissioning of the following projects:
 - (i) Nabinagar STPP Unit 1, M/s NPGCL, Bihar, Central Sector, Thermal Coal 660MW
 - (ii) IB Valley TPP Unit-3, M/s OPGCL, Odisha, State 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:

(Figures in MW)

Typo	Achievement	Targets	Achievement	% Achievement of	
Туре	July-18	Ju	Target		
Thermal	0	660	1320	200 %	
Hydro	0	0	0	0	
Nuclear	0	0	0	0	
All India	0	660	1320	200 %	

1.2 In the transmission sector 526 ckm of 765kV AC lines, 686 ckm of 400 kV AC lines and 412 ckm of 220 kV AC lines have been laid during the month of July, 2019.

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

(Figures in cKM)

Voltage Level	July-18	July-19	Apr-18 toJuly-	Apr-19 to July-19
+/- 500 KV	July-10	July-19	10	Apr-19 to July-19
HVDC	0	0	0	0
+/- 800 KV				
HVDC	0	0	0	0
765 KV	51	526	1614	579
400 KV	578	686	1572	1545
220 KV	539	412	1993	1610
All India	1168	1624	5179	3734

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, 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. 834.41 crores 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 centres 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 Jyoti Yojana (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:

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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 31.07.2019)

636 Projects in 32 States/UTs amounting to Rs. 43438 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. GENERATION PERFORMANCE:

The overall generation during the month of July, 2019 was 108.37 BUs as compared to 102.70 BU generation achieved during the corresponding month of the last year.

A growth of 0.29 % in Hydro generation, 17.37 % in nuclear generation, 6.19% in Thermal Generation have been achieved in the month of July 2019 as compared to the corresponding month of the last year.

During the month, overall growth of 5.52 % was registered in generation as compared to the generation performance of July, 2018 as mentioned in the table below:-

(All Figures in BU)

				% Change
T				Achievement w.r.t
Туре	ACHIEVEMENT	TARGETS	ACHIEVEMENT	July-2018
	July-18	July-19	July-19	
Thermal	82.29	87.77	87.38	6.19
Nuclear	3.60	3.76	4.23	17.37
Hydro	15.78	16.39	15.82	0.29
Bhutan Import	1.03	0.84	0.94	-9.07
All India	102.70	108.76	108.37	5.52

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 July, 2019 as compared to the corresponding month of 2018 is given below:

(Figures in Thousand Tonnes)

YEAR	Opening stock	Required	Receipt	Consumption	Closing	No. of critical
	(Days)					Stations (stock <
					(Days)	7days)
July-19	15	51377	44265	46458	15	45
July-18	10	45974.3	42237.40	41571.6	11	54

NOTE

Figures given above include imported coal

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

^{*}Provisional based on actual-cum-assessment

3.3 REGION WISE POWER SUPPLY SITUATION:

For the month of July 2019, 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.

(Vivek Kumar Dewangan)

Joint Secretary

Annex-1

CENTRAL ELECTRICITY AUTHORITY G O & D WING OPERATION PERFORMANCE MONITORING DIVISION

SUB- REPORT 4

ENERGYWISE - PERFORMANCE STATUS ALL INDIA - REGIONWISE

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

2. SUMMARY - SECTOR WISE

		Target					GENERATIO	ON (GWH)						F	LANT LOAD	FACTOR (9	%)	
	Monitored	rarget		JU	L-2019				APRIL 20	19 - JUL-2019				JUL-2019		APR	IL 2019 - JUL	2019
Category / Sectors	Capacity (MW)	Apr 2019 to Mar 2020	PROGRAM	ACTUAL *	ACTUAL SAME MONTH	% OF PRO- GRAM	% OF LAST YEAR	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD	% OF PROGRAM (9/8)	% OF LAST YEAR	PROGRAM	ACTUAL *	ACTUAL SAME MONTH	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD
					2018-19	(4/3)	(4/5)			2018-19		(9/10)			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	614.00	295.29	525.72	48.09	56.17	2466.00	1287.26	2290.82	52.20	56.19	55.02	26.46	47.11	56.15	29.31	52.10
BRBCL	750.00	3600.00	278.00	351.14	128.11	126.31	274.09	1188.00	1536.92	580.89	129.37	264.58	49.82	62.93	34.44	54.10	69.99	39.6
DVC	7090.00	37476.00	2992.00	3411.24	3057.84	114.01	111.56	12792.00	14106.10	13395.70	110.27	105.30	56.72	64.67	57.97	61.62	67.95	64.53
K.B.U.N.L	610.00	3025.00	265.00	207.05	202.84	78.13	102.08	1049.00	1192.82	788.24	113.71	151.33	58.39	45.62	44.69	58.73	66.78	44.1
MUNPL	660.00	3000.00	212.00	106.95	0.00	50.45	0.00	834.00	674.58	0.00	80.88	0.00	43.17	21.78	0.00	43.16	39.20	0.0
NEEPCO.	527.00	2828.00	236.00	257.37	231.90	109.06	110.98	944.00	1023.88	896.81	108.46	114.17						
NLC	3140.00	20030.00	1597.00	1589.14	1565.88	99.51	101.49	6675.00	6356.37	6333.26	95.23	100.36	51.85	68.02	64.96	58.60	69.14	66.70
NPGCL	660.00	3000.00	212.00	0.00	0.00	0.00	0.00	834.00	0.00	0.00	0.00	0.00	43.17	0.00	0.00	43.16	0.00	0.0
NSPCL	500.00	3600.00	316.00	258.07	354.18	81.67	72.86	1245.00	1074.64	1261.62	86.32	85.18	84.95	69.37	95.21	85.04	73.40	86.18
NTECL	1500.00	8000.00	582.00	432.26	519.24	74.27	83.25	2783.00	2251.46	2727.93	80.90	82.53	52.15	38.73	46.53	63.37	51.26	62.1
NTPC Ltd.	46087.23	267928.00	21111.00	21019.19	21056.46	99.57	99.82	88652.00	88083.96	89216.49	99.36	98.73	64.99	66.25	70.95	69.75	70.33	75.92
NTPL	1000.00	6200.00	349.00	288.47	355.31	82.66	81.19	1941.00	1043.05	1847.69	53.74	56.45	46.91	38.77	47.76	66.29	35.62	63.10
ONGC	726.60	4759.00	403.00	454.83	412.42	112.86	110.28	1588.00	1768.43	1475.18	111.36	119.88						
RGPPL	1967.08	4505.00	380.00	373.87	383.64	98.39	97.45	1517.00	1464.32	1520.80	96.53	96.29						
CENTRAL SECTOR	66717.91	375451.00	29547.00	29044.87	28793.54	98.30	100.87	124508.00	121863.79	122335.43	97.88	99.61	61.73	63.24	66.78	66.79	67.55	72.0
STATE SECTOR	73479.13	374986.00	28043.00	26711.24	24547.35	95.25	108.82	126621.00	117346.07	114199.83	92.68	102.76	51.47	51.55	49.13	59.55	58.46	58.34
PVT SECTOR	3477.00	18231.00	1602.00	1650.10	1572.46	103.00	104.94	6411.00	6654.65	6798.70	103.80	97.88	61.03	62.39	60.94	62.09	63.71	66.40
PP SECTOR	83903.80	373462.00	28578.00	29971.90	27373.47	104.88	109.49	127192.00	129234.06	115515.21	101.61	111.88	50.52	52.54	49.56	57.38	57.81	53.2

2. SUMMARY - SECTOR WISE

		Target					GENERATIO	N (GWH)					PLANT LOAD FACTOR (%)					
	Monitored	rargot		JU	L-2019				APRIL 20	19 - JUL-2019				JUL-2019		APRI	L 2019 - JUL	2019
Category / Sectors	Capacity (MW)	Apr 2019 to Mar 2020	PROGRAM	ACTUAL *	ACTUAL SAME MONTH	% OF PRO- GRAM	% OF LAST YEAR	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD	% OF PROGRAM (9/8)	% OF LAST YEAR	PROGRAM	ACTUAL *	ACTUAL SAME MONTH	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD
					2018-19	(4/3)	(4/5)			2018-19		(9/10)			2018-19			2018-19
TOTAL THERMAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
TOTAL THERWAL	227577.84	1142130.00	87770.00	87378.11	82286.83	99.55	106.19	384732.00	375098.57	358849.17	97.50	104.53	54.32	55.50	54.53	60.95	60.96	60.5
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	0.0
NPCIL	6680.00	44720.00	3760.00	4226.48	3600.96	112.41	117.37	14164.00	15348.12	13599.00	108.36	112.86	75.66	85.04	72.46	72.42	78.47	69.5
CENTRAL SECTOR	6780.00	44720.00	3760.00	4226.48	3600.96	112.41	117.37	14164.00	15348.12	13599.00	108.36	112.86	75.66	83.79	71.39	72.42	77.31	68.50
TOTAL NUCLEAR	6780.00	44720.00	3760.00	4226.48	3600.96	112.41	117.37	14164.00	15348.12	13599.00	108.36	112.86	75.66	83.79	71.39	72.42	77.31	68.50
HYDRO				i	-								:					
CENTRAL SECTOR																		
ВВМВ	2920.30	9470.00	1131.00	1320.53	1039.56	116.76	127.03	3535.00	4772.26	3328.49	135.00	143.38						
DVC	143.20	210.00	27.00	6.89	16.96	25.52	40.62	45.00	16.22	51.01	36.04	31.80						
NEEPCO.	900.00	4877.00	602.00	542.01	492.90	90.03	109.96	1496.00	1303.15	1299.55	87.11	100.28						
NHDC	1520.00	2300.00	146.00	128.74	32.37	88.18	397.71	509.00	513.48	242.05	100.88	212.14						
NHPC	5451.20	24050.00	3353.00	3323.50	3312.98	99.12	100.32	11440.00	11768.08	10231.10	102.87	115.02						
NTPC Ltd.	800.00	3000.00	549.00	651.54	582.18	118.68	111.91	1589.00	1654.13	1262.49	104.10	131.02						
SJVNL	1912.02	8550.00	1302.00	1508.61	1475.98	115.87	102.21	4060.00	4664.89	3855.06	114.90	121.01						
THDC	1400.00	4160.00	223.00	273.41	339.50	122.61	80.53	1061.00	1278.43	1036.91	120.49	123.29						
CENTRAL SECTOR	15046.72	56617.00	7333.00	7755.23	7292.43	105.76	106.35	23735.00	25970.64	21306.66	109.42	121.89						
STATE SECTOR	26958.50	66805.00	6784.00	5615.36	6123.39	82.77	91.70	23036.00	22593.90	20033.20	98.08	112.78						
PVT SECTOR	447.00	1441.00	132.00	152.49	181.17	115.52	84.17	508.00	509.11	600.83	100.22	84.73						
PP SECTOR	2947.00	12069.00	2140.00	2301.38	2181.88	107.54	105.48	5810.00	6248.55	5413.49	107.55	115.43						
TOTAL HYDRO	45399.22	136932.00	16389.00	15824.46	15778.87	96.56	100.29	53089.00	55322.20	47354.18	104.21	116.83						
BHUTAN IMP																		
	0.00	6218.00	842.00	941.09	1034.92	111.77	90.93	1857.00	1858.49	1884.24	100.08	98.63						

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2. SUMMARY - SECTOR WISE

		Target					GENERATIO	N (GWH)						P	LANT LOAD	FACTOR (%	6)	
	Monitored	A0040 L M		JU	JL-2019				APRIL 20	19 - JUL-2019				JUL-2019		APRI	L 2019 - JUL	-2019
Category / Sectors	Capacity (MW)	Apr 2019 to Mar 2020	PROGRAM	ACTUAL *	ACTUAL SAME MONTH	% OF PRO- GRAM (4/3)	% OF LAST YEAR (4/5)	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD	% OF PROGRAM (9/8)	% OF LAST YEAR	PROGRAM	ACTUAL *		PROGRAM	ACTUAL *	SAME PERIOD
	1	2	2	4	2018-19	(4/3)	(4/3)			2018-19		(9/10)			2018-19			2018-
L INDIA TOTAL			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
L INDIA TOTAL	279757.06	1330000.00	108761.00	108370.14	102701.58	99.64	105.52	453842.00	447627.38	421686.59	98.63	106.15						

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESMENT

Region		Energy	(MU)		Surplus (+)				
Kegion	Requir	ement	Availa	ability	/Deficit	(-) in %			
	July-2018	July-2019	July-2018	July-2019	July-2018	July-2019			
Northern	38,331	40,461	37,827	39,934	-1.3	-1.3			
Western	29,166	31,538	29,163	31,537	0.0	0.0			
Southern	27,657	28,213	27,616	28,205	-0.1	0.0			
Eastern	13,097	13,189	13,065	13,189	-0.2	0.0			
North Eastern	1,587	1,540	1,536	1,482	-3.2	-3.8			
All India	109,838	114,942	109,207	114,347	-0.6	-0.5			
Dagian		Power	Surplus(+)						
Region	Peak D	emand	Peak	Met	/ Deficit (-) in %				
	July-2018	July-2019	July-2018	July-2019	July-2018	July-2019			
Northern	63,166	65,866	61,726	65,172	-2.3	-1.1			
T TO T CALCA AL	05,100	00,000	/						
Western	44,879	52,619	44,574	52,509	-0.7	-0.2			
Western	2,22,22		44,574	52,509	-0.7	-0.2			
	2,22,22			52,509 45,250	-0.7 -0.6	-0.2			
Western	44,879	52,619	44,574						
Western Southern	44,879	52,619 45,487	44,574 44,719	45,250	-0.6	-0.5			

July-2019 Figures are Provisional