

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

During the lockdown period in the month of June, 2020, various measures already taken were continued to ensure un-interrupted Power Supply and de-stressing the Financial Position of DISCOM. We have ensured functioning of Offices/Establishment of CPSUs while following the COVID-19 Guidelines. Power Sector PSUs have earmarked 959 isolation Beds of which 363 bed have been occupied, they continue to provide meal packets and food supplies to medical staff, migrant workers. So far they have provided '17509 PPE Kits, 540262 masks, 167863 gloves and 6034 testing kits to staff of Govt. hospital.

1. CAPACITY ADDITION (Generation and Transmission)

1.1 Thermal capacity of 270 MW has been added during the month of June, 2020 after commissioning of the following projects:

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 of Target
	JUNE-2019	JUNE-2020		
Thermal	45	306.15	270	88.2
Hydro	0	0	0	NA
Nuclear	0	0	0	NA
All India	45	306.15	270	88.2

1.2 In the transmission sector 1 ckm of 765kV AC lines and 391ckm of 220 kV AC lines have been laid during the month JUNE-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	JUNE-2019	JUNE-2020	APRIL-19 to JUNE-19	APRIL-20 to JUNE-2020
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	0	0
765 KV	0	1	53	2
400 KV	365	0	859	378
220 KV	294	391	1198	711
All India	659	392	2110	1091

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 (including GIS) worth Rs. 29,238.06 crore for 546 circles, projects worth Rs. 985.23 crore for IT enablement of 1931 towns, ERP projects worth Rs.792.09 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-seven States/UTs (Andhra Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, Himachal Pradesh, Jharkhand, Jammu & Kashmir, Karnataka, Kerala, Ladakh, 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 DeendayalUpadhaya Gram JyotiYojana (DDUGJY):

Government of India launched the scheme namely "DeendayalUpadhyaya Gram JyotiYojana" (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 (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 30.06.2020)

Projects with total cost of Rs.44416 crore have been sanctioned in 33 States/UTs.

- Feeder Separation works completed-117077Ckm
- Distribution Transformers installed – 348010 Nos.
- Commissioning of S/S including augmentation -3527 Nos.
- HT Line Completed-130365 Ckm, LT Line Completed-264748 Ckm

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 – 202779 Nos.
- Commissioning of S/S including augmentation -214 Nos.
- HT Line- 63052 Ckm, LT Line-177912 Ckm

Gol Grant released since 2014-15- Rs. 48751.39 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 June 2020 was 1,12,906 MU as against the generation of 1,26,879 MU during the corresponding period last year, showing a negative growth of 11.0%.

ii) The electricity generation from conventional sources in the country during the month of June 2020 was 99,541 MU as against the generation of 1,12,947 MU during the corresponding period last year, showing a negative growth of 11.9%. Overall electricity generation was 83.6% of the program for the month.

iii) The actual electricity generation from thermal power plants during June 2020 has decreased by 17.7% over same period last year. The actual energy generation from thermal plants was 77,510 MU which is 77.0% of the program. Coal based generation has decreased by 20.5%, whereas, Lignite based and Gas based generation has increased by 16.6% and 17.4%, respectively, during June 2020 as compared to same period last year.

iv) Hydro based generation has increased by 19.0% and Nuclear based generation has decreased by 8.7% during June 2020 as compared to last year during same period.

v) In June 2020, stringing of 392Ckm transmission lines was completed.

vi) During the month of June 2020, the overall negative growth of 11.87% was registered in generation as compared to the generation performance of June 2019, and also mentioned in the table below:-

TYPE OF GENERATION	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% CHANGE ACHIEVEMENT w.r.t. June 2019
	Jun 2019	Jun 2020	Jun 2020	
THERMAL	94218.02	100612	77509.72	82.27
NUCLEAR	4052.02	3425	3699.92	91.31
HYDRO	14343.90	14197	17062.51	118.95
BHUTAN IMP	332.90	860	1269.32	381.29
TOTAL	112946.84	119094	99541.47	88.13

*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:

i. The receipt and consumption of coal by Thermal power plants during the month of May, 2020 vis-à-vis same month of the last year are as under:

	May, 2020 (in Million Metric Tonnes)	May, 2019 (in Million Metric Tonnes)
A. Opening stock (as on 1st June)	49.58	29.07
B. Receipt	35.33	45.84
C. Total available (A+B)	84.91	74.91
D. Consumption	37.80	48.95
E. Balance stock *(C-D) (as on 1st July)	47.16	26.60

*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 June-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)
Economic Adviser

2. SUMMARY - SECTOR WISE

Category / Sectors	Monitored Capacity (MW)	Target Apr 2020 to Mar 2021	GENERATION (GWH)						PLANT LOAD FACTOR (%)									
			JUN-2020			APRIL 2020 - JUN-2020			JUN-2020		APRIL 2020 - JUN-2020		ACTUAL SAME MONTH 2019-20	ACTUAL * M	ACTUAL * M	ACTUAL SAME PERIOD 2019-20		
			PROGRAM	ACTUAL *	ACTUAL SAME MONTH 2019-20	% OF PRO- GRAM (4/3)	% OF LAST YEAR (4/5)	PROGRAM	ACTUAL *	% OF LAST YEAR (9/10)								
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	554.00	0.00	419.01	0.00	0.00	1646.00	0.00	991.97	0.00	0.00	51.30	0.00	38.80	50.24	0.00	30.28
BRBCL	750.00	4150.00	267.00	291.05	417.21	109.01	69.76	821.00	875.00	1185.78	106.58	73.79	49.44	53.90	77.26	50.12	53.42	72.39
DVC	6960.00	38600.00	3318.00	2992.82	3445.88	90.20	86.85	10099.00	7019.95	10694.86	69.51	65.64	66.21	59.72	67.50	66.44	46.18	69.07
K.B.U.N.L	610.00	3000.00	246.00	197.45	314.87	80.26	62.71	776.00	520.19	985.77	67.03	52.77	56.01	44.96	71.69	58.25	39.05	73.99
MUNPL	660.00	4000.00	277.00	254.67	278.51	91.94	91.44	827.00	401.47	567.63	48.55	70.73	56.61	53.59	58.61	56.82	27.85	48.05
NEEPCO.	527.00	2827.00	243.00	232.69	255.05	95.76	91.23	743.00	752.31	766.51	101.25	98.15						
NLC	3490.00	21086.00	1782.00	1717.09	1365.65	96.36	125.73	5692.00	5153.48	4767.23	90.54	108.10	62.03	69.37	60.41	65.32	67.09	69.52
NPGCL	660.00	3800.00	313.00	417.71	0.00	133.45	0.00	954.00	1166.81	0.00	122.31	0.00	65.87	87.90	0.00	66.18	80.95	0.00
NSPCL	500.00	3600.00	339.00	277.03	262.91	81.72	105.37	1032.00	524.35	816.57	50.81	64.21	94.17	76.95	73.03	94.51	48.02	74.78
NTECL	1500.00	7950.00	658.00	157.02	602.94	23.86	26.04	2202.00	525.09	1819.20	23.85	28.86	60.93	14.54	55.83	67.22	16.03	55.53
NTPC Ltd.	48867.23	259166.00	22592.00	19759.28	21586.89	87.46	91.53	69169.00	58660.22	67084.77	84.81	87.47	67.63	60.90	70.40	68.33	59.60	73.02
NTPL	1000.00	6100.00	591.00	486.51	251.99	82.32	193.07	1801.00	1312.97	754.58	72.90	174.00	82.08	67.57	35.00	82.46	60.12	34.55
ONGC	726.60	4759.00	400.00	405.57	440.74	101.39	92.02	1213.00	1270.98	1313.60	104.78	96.76						
RGPL	1967.08	4505.00	346.00	203.40	360.72	58.79	56.39	1112.00	546.38	1090.45	49.13	50.11						
CENTRAL SECTOR	69717.91	369543.00	31926.00	27392.29	30002.37	85.80	91.30	98087.00	78729.20	92818.92	80.26	84.82	66.56	58.71	67.69	67.46	55.34	69.92
STATE SECTOR	74282.36	375900.00	33954.00	20766.27	29935.82	61.16	69.37	104635.00	60784.49	90634.83	58.09	67.07	66.07	39.52	60.77	67.20	37.78	60.85
PVT SECTOR	2917.00	18752.00	1720.00	1237.24	1629.71	71.93	75.92	5232.00	3512.96	5004.55	67.14	70.20	82.51	56.10	63.44	82.76	52.45	64.16
IPP SECTOR	83921.95	374338.00	33012.00	28113.92	32650.12	85.16	86.11	103193.00	79182.54	99262.16	76.73	79.77	60.64	50.78	59.64	62.54	47.13	59.61
TOTAL THERMAL	230839.22	1138533.00	100612.00	77509.72	94218.02	77.04	82.27	311147.00	222209.20	287720.46	71.42	77.23	64.52	49.52	62.41	65.84	46.58	63.06
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	3425.00	3699.92	4052.02	108.03	91.31	9215.00	11357.53	11121.64	123.25	102.12	71.05	76.93	84.25	63.11	77.85	76.23
CENTRAL SECTOR	6780.00	43880.00	3425.00	3699.92	4052.02	108.03	91.31	9215.00	11357.53	11121.64	123.25	102.12	71.05	75.79	83.01	63.11	76.70	75.11
TOTAL NUCLEAR	6780.00	43880.00	3425.00	3699.92	4052.02	108.03	91.31	9215.00	11357.53	11121.64	123.25	102.12	71.05	75.79	83.01	63.11	76.70	75.11
HYDRO																		
CENTRAL SECTOR																		
BBMB	2920.30	9600.00	1096.00	1258.57	1426.92	114.83	88.20	2543.00	3324.05	3451.73	130.71	96.30						
DVC	143.20	206.00	11.00	34.83	2.72	316.64	1280.51	23.00	68.51	9.33	297.87	734.30						
NEEPCO.	1200.00	4472.00	425.00	427.18	327.79	100.51	130.32	959.00	774.59	761.14	80.77	101.77						
NHDC	1520.00	2700.00	114.00	483.32	61.78	423.96	782.32	428.00	1015.09	384.74	237.17	263.84						
NHPC	5451.20	24542.00	3051.00	3167.10	3057.89	103.81	103.57	8023.00	8065.37	8444.58	100.53	95.51						
NTPC Ltd.	800.00	3482.00	355.00	515.42	496.20	145.19	103.87	1059.00	936.92	1002.59	88.47	93.45						

SJVN/	1912.02	8678.00	1261.00	1387.71	1466.13	110.05	94.65	2848.00	2741.78	3156.28	96.27	86.87					
THDC	1400.00	4160.00	234.00	512.43	310.16	218.99	165.21	838.00	1100.39	1005.02	131.31	109.49					
CENTRAL	15346.72	57840.00	6547.00	7786.56	7149.59	118.93	108.91	16721.00	18026.70	18215.41	107.81	98.96					
STATE SECTOR																	
PVT SECTOR	26958.50	68768.00	5790.00	7144.04	5147.41	123.39	138.79	16194.00	19152.34	16978.54	118.27	112.80					
IPP SECTOR	447.00	1470.00	120.00	168.14	109.12	140.12	154.09	382.00	461.75	356.62	120.88	129.48					
	2947.00	12279.00	1740.00	1963.77	1937.78	112.86	101.34	3559.00	3569.26	3947.17	100.29	90.43					
TOTAL HYDRO	45699.22	140357.00	14197.00	17062.51	14343.90	120.18	118.95	36856.00	41210.05	39497.74	111.81	104.34					
BHUTAN IMP																	
	0.00	7230.00	860.00	1269.32	332.90	147.60	381.29	2134.00	2311.32	917.40	108.31	251.94					
ALL INDIA TOTAL	283318.44	1330000.00	119094.00	99541.47	112946.84	83.58	88.13	359352.00	277088.10	339257.24	77.11	81.67					

• PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

8. Power Supply Position (Energy & Peak) in JUNE-2020

Region	Energy (MU)				Surplus(+) /Deficit (-) in %	
	Requirement		Availability			
	JUNE-2019	JUNE-2020	JUNE-2019	JUNE-2020	JUNE-2019	JUNE-2020
Northern	41,624	37,749	41,151	37,331	-1.1	-1.1
Western	33,059	28,408	33,059	28,408	0.0	0.0
Southern	28,566	25,978	28,549	25,978	-0.1	0.0
Eastern	13,787	12,005	13,753	12,005	-0.2	0.0
North Eastern	1,537	1,466	1,476	1,442	-3.9	-1.6
All India	118,573	105,606	117,988	105,164	-0.5	-0.4

Region	Power (MW)				Surplus(+) /Deficit (-) in %	
	Peak Demand		Peak Met			
	JUNE-2019	JUNE-2020	JUNE-2019	JUNE-2020	JUNE-2019	JUNE-2020
Northern	65,940	65,336	64,838	64,885	-1.7	-0.7
Western	56,887	47,618	56,768	47,618	-0.2	0.0
Southern	45,087	43,072	44,844	43,043	-0.5	-0.1
Eastern	23,272	21,705	22808	21,705	-2.0	0.0
North Eastern	2,922	2,937	2,861	2,884	-2.1	-1.8
All India	183,804	165,434	182,454	164,946	-0.7	-0.3

* JUNE-2020 Figures are Provisional