

No. 20/01/2020-Coord.

Government of India

Ministry of Power.

Shram Shakti Bhawan, Rafi Marg,
New Delhi, the 28th January, 2020

OFFICE MEMORANDUM

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

Encl: As above.



(P.B. S. Dinker)

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.

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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.
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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)

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

1. CAPACITY ADDITION (Generation & Transmission)

1.1 There is 1300 MW capacity in Thermal has been added during the month of December, 2019.

The details of achievements in generation capacity addition as well as a comparison with the corresponding period of last year are given below:

1. Neyvelli New TPP -Unit1, Thermal-Lignite, Central, NPCIL , Tamil Nadu, 500 MW was commissioned on 20.12.2019
2. Darlipalli STPP, TPP -Unit1, Thermal-Coal , Central, NTPC , Odisha, 800 MW was commissioned on 30.12.2019

(All Figures in MW)

Type	Achievement	Targets	Achievement	% Achievement of Target
	Dec-18	Dec-19		
Thermal	800	1600	1300	81.3
Hydro	0	83.33	0	0.0
Nuclear	0	0	0	NA
All India	800	1683.33	1300	77.2

1.2 In the transmission sector, 216 ckm of 400 kV AC lines and 538 ckm of 220 kV AC lines have been laid during the month of Dec,19.

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	Dec-18	Dec-19	Apr-18 to Dec-18	Apr-19 to Dec-19
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	0	0
765 KV	1359	0	4413	995
400 KV	93	216	5601	2774
220 KV	288	538	4960	4068
All India	1740	754	14974	7837

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:

- 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

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 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 centers 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.28,784.26crore 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 DeendayalUpadhaya Gram JyotiYojana (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:

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 31.12.2019)

636 Projects in 33 States/UTs amounting to Rs. 43486 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. OTHER ACHIEVEMENTS

- i. The total electricity generation including generation from renewable sources in the country during the month of December 2019 was 108080 MU as against the generation of 109924 MU during the corresponding period last year, showing a decline of 01.68%. However, the decline is not because of any generation constraint but due to decrease in demand for electricity.
- ii. The electricity generation from conventional sources in the country during the month of December 2019 was 98762 MU as against the generation of 100841 MU during the corresponding period last year, showing a decline of 2.06%. Overall electricity generation was 92.23% of the program for the month.
- iii. Hydro power generation has increased by 14.19% and Nuclear power generation has increased by 15.71% during December, 2019 as compared to that during same month in the previous year.
- iv. In December 2019, stringing of 754 Ckm transmission lines was completed against the target of 5020 Ckm.
- v. During 2019-20, as against the capacity addition target of 12186.14 (MW), the cumulative capacity addition achievement at the end of December, 2019 is 5445 (MW).

4. GENERATION PERFORMANCE:

The overall generation during the month of Dec,19 was 98.76BUs as compared to 100.84 BU generation achieved during the corresponding month of the last year.

A growth of 14.19% in Hydro generation, 15.69% in nuclear generation have been achieved in the month of Dec19 as compared to the corresponding month of the last year.

During the month, overall growth of -2.06 % was registered in generation as compared to the generation performance of Dec,18 as mentioned in the table below:-

(All Figures in BU)

Type	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% Change Achievement w.r.t Dec-18
	Dec-18	Dec-19	Dec-19	
Thermal	89.957	95.370	86.120	-4.265
Nuclear	3.072	3.925	3.554	15.690
Hydro	7.779	7.363	8.883	14.192
Bhutan Import	0.032	0.422	0.202	531.250
All India	100.84	107.08	98.76	-2.06

4.1 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**.

4.2 COAL SUPPLY POSITION:

The overall coal stock position, which was 25.7 Million Ton (MT) as on 1st December, 2019, increased to 31.6 Million Ton (MT) as on 31st December, 2019. The average coal stock at power stations was for 18 days of generation (as on 31st December, 2019) against the normative requirement for 22 days.

4.3 REGION WISE POWER SUPPLY SITUATION:

For the month of Dec-19, 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.



(Aniruddha Kumar)
Joint Secretary (Coord.)

CENTRAL SECTOR															
BBM	2920.30	9470.00	622.00	693.45	760.69	111.49	91.16	7727.00	10089.50	7831.01	130.57	128.84			
DVC	143.20	210.00	6.00	10.41	4.22	173.50	246.68	188.00	164.05	169.13	87.26	96.99			
NEE	900.00	4877.00	307.00	108.59	131.64	35.37	82.49	4227.00	2776.71	2890.32	65.69	96.07			
NHD	1520.00	2300.00	251.00	242.02	244.18	96.42	99.12	1663.00	3282.18	1410.01	197.36	232.78			
NHP	5451.20	24050.00	816.00	1251.12	895.24	153.32	139.75	20981.00	21858.65	20367.33	104.18	107.32			
NTP	800.00	3000.00	75.00	98.45	93.25	131.27	105.58	2750.00	3169.21	2737.17	115.24	115.78			
SJVN	1912.02	8550.00	309.00	312.01	306.42	100.97	101.82	7755.00	8722.06	7576.10	112.47	115.13			
THD	1400.00	4160.00	378.00	329.98	336.77	87.30	97.98	3128.00	3179.04	3340.64	101.63	95.16			
CEN	15046.72	56617.00	2764.00	3046.03	2772.41	110.20	109.87	48419.00	53241.39	46321.71	109.96	114.94			
TRA															
STA	26958.50	66805.00	4096.00	5293.00	4529.41	129.22	116.86	53794.00	62701.10	53120.87	116.56	118.03			
PVT	447.00	1441.00	109.00	157.24	104.84	144.26	149.98	1087.00	1191.86	1200.41	109.65	99.29			
IPP	2947.00	12069.00	394.00	387.58	373.10	98.37	103.88	11122.00	12400.91	11076.46	111.50	111.96			
TOT	45399.22	136932.00	7363.00	8883.85	7779.76	120.66	114.19	114422.00	129535.26	111719.45	113.21	115.95			
BHUTAN IMP															
	0.00	6218.00	422.00	202.95	32.15	48.09	631.26	5434.00	5551.95	4322.12	102.17	128.45			
ALL	282814.14	1330000.00	107080.00	98762.32	100841.32	92.23	97.94	1006553.00	950396.68	949932.63	94.42	100.05			
INDI															

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

Power Supply Position (Energy & Peak) in December-2019

Region	Energy (MU)				Surplus(+) /Deficit (-) in %	
	Requirement		Availability			
	Dec-2018	Dec-2019*	Dec-2018	Dec-2019*	Dec-2018	Dec-2019*
Northern	29,320	28,487	28,896	27,977	-1.4	-1.8
Western	32,494	33,337	32,489	33,337	0.0	0.0
Southern	27,606	27,463	27,569	27,459	-0.1	0.0
Eastern	10,515	10,289	10,451	10,289	-0.6	0.0
North Eastern	1,347	1,233	1,323	1,219	-1.8	-1.1
All India	101,282	100,809	100,727	100,281	-0.5	-0.5

Region	Power (MW)				Surplus(+) /Deficit (-) in %	
	Peak Demand		Peak Met			
	Dec-2018	Dec-2019*	Dec-2018	Dec-2019*	Dec-2018	Dec-2019*
Northern	45,412	52,234	44,899	51,159	-1.1	-2.1
Western	53,509	57,019	53,292	56,739	-0.4	-0.5
Southern	45,405	48,664	45,302	48,664	-0.2	0.0
Eastern	18,049	19,771	18023	19,771	-0.1	0.0
North Eastern	2,541	2,544	2,511	2,530	-1.2	-0.6
All India	163,854	171,796	162,609	170,492	-0.8	-0.8

* December-2019 Figures are Provisional