

No. 20/01/2020-Coord.

Government of India

Ministry of Power.

Shram Shakti Bhawan, Rafi Marg,
New Delhi, the 23th March, 2020

OFFICE MEMORANDUM

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

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.
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)

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

1. CAPACITY ADDITION

1.1 Generation Capacity of 300MW has been added in Hydrosector during the month of February, 2020.

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

(All Figures in MW)

(All Figures in MW)

Type	Achievement	Targets	Achievement	% Achievement of Target
	Feb-2019	Feb-2020		
Thermal	0	1460	0	0
Hydro	0	93	300	322.58
Nuclear	0	0	0	NA
All India	0	1553	300	19.31

1.2 In the transmission sector, 355ckm of 400 kV AC lines and 277ckm of 220 kV AC lines have been laid during the month **Feb-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	Feb-2019	Feb-2020	Apr-18 to Feb-19	Apr-19 to Feb-2020
+/- 500 KV HVDC	0	0	0	0
+/- 800 KV HVDC	0	0	0	0
765 KV	1182	0	5814	2130
400 KV	1123	355	7669	3347
220 KV	943	277	6086	4749
All India	3248	632	19569	10226

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 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-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 "DeendayalUpadhyaya Gram JyotiYojana" (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 29.02.2020)

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 February 2020 was 111748 MU as against the generation of 100763 MU during the corresponding period last year, showing a growth of 10.9%.
- ii. The electricity generation from conventional sources in the country during the month of February 2020 was 101042 MU as against the generation of 91420 MU during the corresponding period last year, showing growth of 10.53%. Overall electricity generation was 99.09% of the program for the month.
- iii. Hydro based generation has increased by 18.33% and Nuclear based generation has increased by 7.62% during February 2020 as compared to last year during same period.

- iv. NEEPCO successfully completed :
- 12 (twelve) hours full load operation of Unit-2 (150MW) of 4x150 MW Kameng HE Project. Arunachal Pradesh on 03.02.2020.
 - 12 (twelve) hours full load operation of Unit-1 (150MW) of 4x150 MW Kameng HE Project. Arunachal Pradesh on 10.02.2020.
- v. During 2019-20, as against the capacity addition target of 12186.14 (MW), the cumulative capacity addition achievement at the end of February, 2020 is 5745 (MW).
- vi. An MoU between BEE and Russian Energy Agency (REA) was signed on 21st February, 2020 at Moscow to promote cooperation in the area of Energy Efficiency.
- vii. Following Four buildings awarded Star Rating:

S. No.	Name of the Building	Type	Star Rating
1.	Central Revenue Building, Chandigarh	Office	5 Star
2.	Survey of India, Chandigarh	Office	5 Star
3	GPOA, Rajaji Bhawan, Chennai	Office	5 Star
4	Divisional Railway Hospital, Bangalore	Hospital	5 Star

4. GENERATION PERFORMANCE:

The overall generation during the month of Feb-2020 was 101.96 BUs as compared to 91.41 BU generation achieved during the corresponding month of the last year.

A growth of 18.33% in Hydro generation, 7.62% in nuclear generation have been achieved in the month of Feb 2020 as compared to the corresponding month of the last year.

During the month, overall growth of 10.53 % was registered in generation as compared to the generation performance of Feb-2019 as mentioned in the table below:-

(All Figures in BU)

Type	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% Change Achievement w.r.t Feb-19
	Feb-2019	Feb-2020	Feb-2020	
Thermal	81.40197	90.97	89.42654	109.86
Nuclear	2.87899	3.84	3.09843	107.62
Hydro	7.1201	6.925	8.42491	118.33
Bhutan Import	0.0186	0.231	0.09209	495.11
All India	91.41966	101.966	101.04197	110.53

*Generation from plants 25 MW & above Capacity (from fuel sources i.e. hydro, thermal and nuclear only)

** Provisional based on actual-cum- assessment

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 coal supply position, as well as consumption of coal during Feb-2020 as compared to the corresponding month of 2019 is given below:

COAL SUPPLY POSITION

(Figures in Thousand Tonnes)						
YEAR	Opening stock (Days)	Required	Receipt	Consumption	Closing Stock (Days)	No. of critical Stations (stock < 7days)
Feb-2020	19	52153.66	48060.58	45567.50	21	15
Feb-2019	12	45598.5	45130.9	39644.60	16	39

NOTE

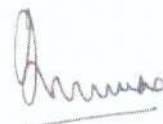
Figures given above include imported coal

*Provisional based on actual-cum-assessment

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

4.3 REGION WISE POWER SUPPLY SITUATION:

For the month of Feb-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- 2 along with the data for the corresponding month of the previous year.



(Aniruddha Kumar)
Joint Secretary(Coord.)

**CENTRAL ELECTRICITY AUTHORITY
G O & D WING**

SUB- REPORT

OPERATION PERFORMANCE MONITORING DIVISION

ENERGYWISE - PERFORMANCE STATUS ALL INDIA - REGIONWISE

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

Annex -

2. SUMMARY - SECTOR WISE

Category ry / Sector s	Monitored Capacity (MW)	Target Apr 2019 to Mar 2020	GENERATION (GWH)										PLANT LOAD FACTOR (%)						
			FEB-2020					APRIL 2019 - FEB-2020					FEB-2020		APRIL 2019 - F				
			PROGRAM	ACTUAL *	ACTUAL SAME MONTH 2018-19	% OF PRO- GRAM (4/3)	% OF LAST YEAR (4/5)	PROGRAM	ACTUAL *	ACTUAL SAME PERIOD 2018-19	% OF PROGR AM (9/8)	% OF LAST YEAR (9/10)	PROG RAM	ACTUA L *	ACTU AL SAME 2018- 19	PROG RAM	ACTU AL *		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
THERMAL																			
CENTRAL SECTOR																			
APCP	1500.00	7500.00	609.00	386.30	629.98	63.43	61.32	6811.00	3578.84	7012.94	52.55	51.03	58.33	37.00	62.50	56.48	29.66		
BRBC	750.00	3600.00	291.00	475.20	296.80	163.30	160.11	3280.00	4488.97	2348.40	136.86	191.15	55.75	91.03	87.33	54.39	74.44		
DVC	7090.00	37476.00	2821.00	3091.28	3146.77	109.58	98.24	34380.00	34216.76	33001.03	99.53	103.68	57.17	62.64	66.05	60.31	60.03		
K.B.U.	610.00	3025.00	249.00	189.53	283.55	76.12	66.84	2760.00	2722.15	2732.83	98.63	99.61	58.65	44.64	69.17	56.28	55.50		
MUNP	660.00	3000.00	257.00	0.00	0.00	0.00	0.00	2724.00	1050.67	13.56	38.57	7748.30	27.97	0.00	0.00	31.38	19.61		
NEEP	527.00	2828.00	226.00	294.46	244.07	130.29	120.65	2591.00	2922.17	2707.16	112.78	107.94							
NLC	3640.00	20030.00	1633.00	1906.39	1681.41	116.74	113.38	18294.00	18298.24	18218.86	100.02	100.44	56.67	76.81	77.23	56.20	70.96		
NPGC	660.00	3000.00	266.00	350.29	0.00	131.69	0.00	2715.00	2168.94	0.00	79.89	0.00	28.95	76.26	0.00	33.15	75.24		
NSPC	500.00	3600.00	296.00	137.27	281.02	46.38	48.85	3284.00	2546.36	3083.50	77.54	82.58	85.06	39.45	83.64	81.69	63.34		
NTEC	1500.00	8000.00	665.00	517.74	699.70	77.86	73.99	7277.00	5147.67	6834.10	70.74	75.32	63.70	49.59	69.41	60.34	42.68		
NTPC	48207.23	267928.00	21798.00	22373.16	20668.37	102.64	108.25	244276.00	231571.18	245192.73	94.80	94.44	68.49	73.11	76.73	68.26	67.28		
NTPL	1000.00	6200.00	511.00	531.03	264.94	103.92	200.43	5655.00	4322.47	5160.29	76.44	83.76	73.42	76.30	39.43	70.34	53.76		
ONGC	726.60	4759.00	377.00	157.84	378.72	41.87	41.68	4356.00	3713.46	4252.68	85.25	87.32							
RGPP	1967.08	4505.00	354.00	350.75	322.08	99.08	108.90	4125.00	3957.92	4109.44	95.95	96.31							
CEN TRAI	69337.91	375451.00	30353.00	30761.24	28897.41	101.34	106.45	342528.00	320705.79	334667.52	93.63	95.83	64.48	69.52	74.19	64.77	64.28		
STAT	73946.21	374986.00	29983.00	26755.96	25347.04	89.24	105.56	341902.00	285263.11	305678.99	83.43	93.32	58.18	54.79	56.64	58.05	50.67		
PVT	2917.00	18231.00	1393.00	1316.70	1472.31	94.52	89.43	16602.00	16274.17	17530.97	98.03	92.83	60.57	68.12	61.26	58.78	62.24		
IPP	83921.95	373462.00	29241.00	30592.64	25685.21	104.62	119.11	341682.00	337818.43	319307.25	98.87	105.80	55.78	57.59	51.67	56.15	55.06		
TOT	230123.07	1142130.00	90970.00	89426.54	81401.97	98.30	109.86	1042714.00	960061.50	977184.73	92.07	98.25	59.31	60.35	59.87	59.42	56.41		
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		
NPCL	6680.00	44720.00	3840.00	3098.43	2878.99	80.69	107.62	40486.00	42343.65	34456.64	104.59	122.89	74.76	66.64	64.13	73.99	78.84		
CEN TRAI	6780.00	44720.00	3840.00	3098.43	2878.99	80.69	107.62	40486.00	42343.65	34456.64	104.59	122.89	74.76	65.66	63.19	73.99	77.68		
TOT	6780.00	44720.00	3840.00	3098.43	2878.99	80.69	107.62	40486.00	42343.65	34456.64	104.59	122.89	74.76	65.66	63.19	73.99	77.68		

HYDRO															
CENTRAL SECTOR															
BBMB	2920.30	9470.00	552.00	731.49	717.35	132.52	101.97	8847.00	11465.55	9346.18	129.60	122.68			
DVC	143.20	210.00	10.00	16.87	3.80	168.70	443.95	207.00	184.40	177.21	89.08	104.05			
NEEP	1200.00	4877.00	180.00	75.15	50.47	41.75	148.90	4634.00	2951.87	3069.13	63.70	96.18			
NHDC	1520.00	2300.00	182.00	251.67	134.71	138.28	186.82	2084.00	3821.47	1704.65	183.37	224.18			
NHPC	5451.20	24050.00	852.00	1116.75	1220.77	131.07	91.48	22559.00	24140.68	22394.50	107.01	107.80			
NTPC	800.00	3000.00	68.00	78.11	90.12	114.87	86.67	2893.00	3338.93	2908.45	115.41	114.80			
SJVN	1912.02	8550.00	237.00	252.36	222.99	106.48	113.17	8248.00	9248.70	8061.86	112.13	114.72			
THDC	1400.00	4160.00	341.00	358.56	304.71	105.15	117.67	3852.00	3914.95	4033.10	101.63	97.07			
CEN TRAI	15346.72	56617.00	2422.00	2880.96	2744.92	118.95	104.96	53324.00	59066.54	51695.08	110.77	114.26			
STAT	26958.50	66805.00	4116.00	5139.98	4007.74	124.88	128.25	61955.00	73185.53	61433.71	118.13	119.13			
PVT	447.00	1441.00	108.00	122.80	98.68	113.70	124.44	1318.00	1404.93	1423.30	106.60	98.71			
IPP	2947.00	12069.00	279.00	281.17	268.76	100.78	104.62	11721.00	13011.28	11654.15	111.01	111.65			
TOT	45699.22	136932.00	6925.00	8424.91	7120.10	121.66	118.33	128318.00	146668.28	126206.24	114.30	116.21			
BHUTAN IMP															
	0.00	6218.00	231.00	92.09	18.60	39.87	495.11	6002.00	5711.99	4353.52	95.17	131.20			
ALL IMP	282602.29	1330000.00	101966.00	101041.97	91419.66	99.09	110.53	1217520.00	1154785.42	1142201.13	94.85	101.10			

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

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

Region	Energy (MU)				Surplus(+) /Deficit (-) in %	
	Requirement		Availability			
	Feb-2019	Feb-2020	Feb-2019	Feb-2020	Feb-2019	Feb-2020
Northern	25,327	28,215	24,979	27,743	-1.4	-1.7
Western	29,403	33,542	29,395	33,542	0.0	0.0
Southern	27,445	30,448	27,444	30,444	0.0	0.0
Eastern	9,931	10,055	9,901	10,055	-0.3	0.0
North Eastern	1,218	1,233	1,194	1,212	-2.0	-1.7
All India	93324	103493	92913	102995	-0.4	-0.5

Region	Power (MW)				Surplus(+) /Deficit (-) in %	
	Peak Demand		Peak Met			
	Feb-2019	Feb-2020	Feb-2019	Feb-2020	Feb-2019	Feb-2020
Northern	45848	51106	45227	50518	-1.4	-1.2
Western	54536	59416	54292	59416	-0.4	0.0
Southern	48000	52993	48000	52993	0.0	0.0
Eastern	20341	19568	20341	19568	0.0	0.0
North Eastern	2480	2812	2480	2592	0.0	-7.8
All India	162242	177,158	161422	176388	-0.5	-0.4

* Feb-2020 Figures are Provisional