

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

> Shram Shakti Bhawan, Rafi Marg, New Delhi, the 30<sup>th</sup> March, 2021

#### **OFFICE MEMORANDUM**

#### Sub: <u>Monthly Summary for the Cabinet concerning Ministry of Power for the month of</u> <u>February, 2021.</u>

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, 2021.

Encl: As above.

B. Jeer of

(B. Neeraja) Under Secretary to the Government of India Telefax: 011-23719637

То

All Members of Council of Ministers.

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Deputy Chairman and Member, Niti Aayog, New Delhi. Chairman, UPSC, New Delhi. Principal Secretary to the Prime Minister, South Block, New Delhi. Secretary to the Vice-President, 6, Maulana Azad Road, New Delhi. Director, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi.



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The Principal Information Officer, M/o Information & Broadcasting, Shastri Bhawan, New Delhi.

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Secretary, M/o New and Renewable Energy Sources, New Delhi.

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(ii) PPS to Secretary (Power)

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

## 1. CAPACITY ADDITION (Generation and Transmission)

1.1 Thermal capacity of 1300 MW, Hydro Capacity of 150 MW has been added during the month of February, 2021 after commissioning of the following projects:

SI.	Project Name	Туре	Sector	Develope r	State	Commissi oning Date	Capacity (MW)			
1	Neyvelli New TPP, Unit 2	Thermal -Lignite	Central	M/s NLCIL	Tamil Nadu	03.02.2021	500			
2	Gadarwara STPP, Unit 2	Thermal -Coal	Central	M/s NTPC LTD	Madhya Pradesh	16.02.2021	800			
3	Kameng HEP Unit-4	Hydro	Central	NEEPCO	Arunachal Pradesh	11.02.2021	150			
	Total									

Details of projects commissioned during the month of February, 2021:

**1.2** In the transmission sector 538 ckm of 765kV AC lines, 1059 ckm of 400 kV AC lines and 880 Ckm of 220 kV AC lines have been laid during the month **February-2021**.

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

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1 4 8 8

#### TRANSMISSION LINES ADDED

				(All Figures in ckivi)
Voltage Level	EEB 2020	EED 2024	APRIL-19 to	APRIL-20 to
	FEB-2020	FED-2021	FEB-20	FEB-2021
+/- 500 KV		-		
HVDC	0	0	0	0
+/- 800 KV				
HVDC	0	0	0	3531
765 KV	0	538	2130	540
400 KV	355	1059	3347	3687
220 KV	277	880	4749	4611
All India	632	2477	10226	12369

#### 2. POWER DISTRIBUTION

#### 2.1 Integrated Power Development Scheme (IPDS):

The Integrated Power Development Scheme (IPDS) was approved on 20<sup>th</sup> 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 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.31,203 crore have been sanctioned under IPDS, against which, Rs. 14,605 crore have been released towards projects and Rs. 206 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 12<sup>th</sup> & 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 & IT based consumer service centers and Part-B is regular distribution strengthening projects. Under R-APDRP, projects worth Rs 32,053 crore (Rs. 4554 crore for Part-A (IT), Rs. 1081 crore for Part-A (SCADA) and Rs 26,418 crore for Part-B) have been sanctioned. So far, Rs 13,036 crore has been released for RAPDRP projects in addition to Rs 534 crore for enabling activities.

### 2.2 Deendayal Upadhaya Gram Jyoti Yojana (DDUGJY):

Government of India launched the scheme namely "Deendayal Upadhyaya 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.
- 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 RE Component (iii) - Outlay Total Outlay - Outlay

Outlay: Rs.43033 Crore, Subsidy: Rs. 33453 Crore
Outlay: Rs.32860 Crore, Subsidy: Rs. 29574 Crore
Outlay: Rs.75893 Crore, Subsidy: Rs. 63027 Crore

## Status of Implementation of DDUGJY Projects (as on 28.02.2021)

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

- Feeder Separation works completed-126198 Ckm
- Distribution Transformers installed -378057 Nos.
- Commissioning of S/S including augmentation -3864 Nos.
- HT Line Completed-136778 Ckm, LT Line Completed-282576 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 210962 Nos.
- Commissioning of S/S including augmentation -227 Nos.
- HT Line- 64953 Ckm, LT Line-187400 Ckm

Gol Grant released since 2014-15- Rs. 51688.94 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 February, 2021 was 1,11,977 MU as against the generation of 1,12,224 MU during the corresponding period last year.
- The electricity generation from conventional sources in the country during the month of February, 2021 was 1,01,057 MU as against the generation of 1,00,977 MU during the corresponding period last year.
- iii. The actual electricity generation from thermal power plants during February, 2021 has increased by 1.94% over same period last year. Coal based generation has increased by 3.32%, Lignite based and Gas based generation has decreased by 15.32% and 14.81%, respectively, during February, 2021 as compared to same period last year.
- iv. Hydro based and Nuclear based generation has decreased by 14.04%, 16.51%, respectively, and during February, 2021 as compared to last year during same period.

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v. During the month, overall growth of 0.08 % was registered in generation as compared to the generation performance of February, 20 as mentioned in the table below:-

(All fig. in MUs)

TYPE OF GENERATION	ACHIEVEMENT	TARGETS	ACHIEVEMENT	% CHANGE ACHIEVEMENT W.R.T FEB.				
	FEB. 2020	FEB. 2021	FEB. 2021	2020				
THERMAL	89300.49	95764.00	91034.04	101.94				
NUCLEAR	3172.91	2929.00	2649.13	83.49				
HYDRO	8435.84	7047.00	7251.14	85.96				
BHUTAN IMP	68.20	237.00	123.12	180.53				
TOTAL	100977.44	105977.00	101057.43	100.08				

\*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 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.** 

## 5. COAL SUPPLY POSITION:

The receipt and consumption of coal by 135 nos. of plants monitored on daily basis for February, 2021 vis-à-vis by 134 nos. of plants monitored daily in February, 2020 are as under:

	<u>February, 2021</u> (in MT)	<u>February, 2020</u> (in MT)
A. Opening Stock (as on 1 <sup>st</sup> February, 2021)	33.96	34.67
B. Receipt	45.22	48.06
C. Total available (A+B)	79.18	82.73
D. Consumption	47.26	45.57
E. Balance Stock(C-D) (as on 1 <sup>st</sup> March, 2021)	31.91	37.25

\* 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 February, 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

# CENTRAL ELECTRICITY AUTHORITY G 0 & D WING OPERATION PERFORMANCE MONITORING DIVISION ENERGYWISE - PERFORMANCE STATUS ALL INDIA - REGIONWISE PERIOD:FEB-2021 VIS-A-VIS FEB-2020 AND APR-FEB-2021 VIS-A-VIS APR-FEB-2020

GENERATION (GWH) Target FEB 2021 FEB 2021 PROGRA M ACTUAL FEB-2021 ACTUAL SAME MONTH APRIL 2020 - FEB-2021 Monitored Capacity (MW) Apr 2020 to Mar 2021 % OF PRO-GRAM % OF LAST YEAR ACTUAL SAME PERIOD % OF PROGRA M % OF LAST YEAR Category Sectors PROGRAM ACTUAL \* PROGRAM ACTUAL .

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2. SUMMARY - SECTOR WISE

					2019-20	(4/3)	(4/3)			2019-20	(9/8)	(9/10)		1	2019-20			2019-20
	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	522.00	551.87	386.24	105.72	142.88	5496.00	2930.60	3578.78	53.32	81.89	51.79	54.75	37.00	45.71	24.37	29.67
BRBCL	750.00	4150.00	351.00	469.56	475.19	133.78	98.82	3778.00	3759.81	4488.96	99.52	83.76	52.23	93.17	91.03	57.66	62.54	74.44
DVC	6960.00	38600.00	3288.00	3433.55	3091.74	104.43	111.06	35170.00	34057.64	34217.22	96.84	99.53	70.30	73.41	62.65	63.04	61.04	60.03
K.B.U.N.L	610.00	3000.00	210.00	272.53	189.18	129.78	144.06	2774.00	2071.90	2721.80	74.69	76.12	51.23	66.48	44.56	56.73	42.37	55.50
MUNPL	1320.00	4000.00	485.00	638.73	0.00	131.70	0.00	3750.00	3424.65	1050.67	91.32	325.95	54.68	73.12	0.00	41.03	56.24	19.61
NEEPCO.	527.00	2827.00	228.00	272.95	294.39	119.71	92.72	2586.00	2672.77	2922.10	103.36	91.47						
NLC	3640.00	21086.00	1790.00	1609.69	1842.97	89.93	87.34	19183.00	15238.21	18234.82	79.44	83.57	66.76	77 12	73.91	59.98	55.86	70.71
NPGCL	660.00	3800.00	295.00	284.39	402.13	96.40	70.72	3424.00	4297.44	2220.78	125.51	193.51	33.26	64.12	87.54	47.61	81.23	77.03
NSPCL	500.00	3600.00	320.00	296.75	137.36	92.73	216.04	3290.00	2853.48	2546.45	86.73	112.06	95.24	88.32	39.47	82.09	71.19	63.34
NTECL	1500.00	7950.00	711.00	700.26	522.66	98.49	133.98	7245.00	3681.67	5152.59	50.82	71.45	70.54	69.47	50.06	60.25	30.62	42 72
NTPC Ltd.	50467.23	259166.00	22276.00	22712.64	22398.97	101.96	101.40	236392.00	236585.07	231596.99	100.08	102.15	65.32	74.28	73.15	60.73	64.66	67.28
NTPL	1000.00	6100.00	558.00	489.00	532.06	87.63	91.91	5561.00	4793.45	4323.49	86.20	110.87	83.04	72 77	76.45	69.37	59.80	53.77
ONGC	726.60	4759.00	373.00	411.59	157.86	110.35	260.73	4344.00	4752.18	3713.48	109.40	127.97				00.07	00.00	
RGPPL	1967.08	4505.00	352.00	258.88	343.86	73.55	75.29	4121.00	2225.01	3951.03	53.99	56.31						
CENTRAL	72127.91	369543.00	31759.00	32402.39	30774.61	102.03	105.29	337114.00	323343.88	320719.16	95.92	100.82	65.07	73.82	69.54	60.28	61.78	64.28
SECTOR STATE SECTOR	74137 36	375900.00	31916.00	27027 41	26711 04	84 69	101 18	344424.00	257675 60	285210.00	74 81	00 34	62 50	57 71	54 64	58 67	44 68	50.65
PVT SECTOR	2017.00	19752.00	1529.00	1175 10	1017.60	76.41	00.10	17122.00	12522.60	16275 10	79.04	90.34	03.59	57.71	69.11	72.20	44.00	62.24
IPP SECTOR	2317.00	274228.00	20551.00	20420.05	1317.03	70.41	09.19	242127.00	13533.09	10275.10	06.62	03.10	60.00	57.00	57.47	FC 24	55.07	55.05
TOTAL THERMAL	222104 22	1129522.00	30551.00	30429.05	30490.31	99.00	99.70	342137.00	330569.99	050025 44	90.03	97.09	62.10	59.70	57.47	50.34	59.27	55.05
	233104.22	1136533.00	93764.00	91034.04	09300.49	95.00	101.94	1040798.00	920143.15	30330.44	00.09	90.30	03.19	03.27	00.27	50.50	53.37	30.41
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	0.00
NPCIL	6680.00	43880.00	2929.00	2649.13	3172.91	90.44	83.49	40444.00	39812.14	42418.14	98.44	93.86	59.06	59.01	68.25	70.18	74.35	78.98
CENTRAL	6780.00	43880.00	2929.00	2649.13	3172.91	90.44	83.49	40444.00	39812.14	42418.14	98.44	93.86	59.06	58.14	67.24	70.18	73.25	77.82
TOTAL NUCLEAR	6780.00	43880.00	2929.00	2649.13	3172.91	90.44	83.49	40444.00	39812.14	42418.14	98.44	93.86	59.06	58.14	67.24	70.18	73.25	77.82
HYDRO	a for an		and the second	core care or a sile	the second as the				and the second			e construction de la construction d			a na an			
CENTRAL SECTOR								*****										
BBMB	2920.30	9600.00	527.00	604.97	730.86	114.80	82.78	9020.00	10867.48	11464.92	120.48	94.79						
DVC	143.20	206.00	4.00	15.53	16.75	388.25	92.72	202.00	348.53	184.28	172.54	189.13						
NEEPCO.	1500.00	4472.00	151.00	99.13	91.72	65.65	108.08	4246.00	3646.23	2968.44	85.87	122.83						
NHDC	1520.00	2700.00	214.00	248.92	249.71	116.32	99.68	2446.00	4087.62	3819.50	167.11	107.02						
NHPC	5451.20	24542.00	897.00	774.95	1116.53	86.39	69.41	23045.00	22806.21	24140.46	98.96	94.47						
NTPC Ltd.	800.00	3482.00	122.00	65.88	78.04	54.00	84.42	3309.00	3148.60	3338.86	95.15	94.30						
SJVNL	1912.02	8678.00	237.00	226.02	246.85	95.37	91.56	8377.00	8830.30	9243.19	105.41	95.53						
THDC	1400.00	4160.00	330.00	380.23	359.91	115.22	105.65	3841.00	3952.58	3916.29	102.90	100.93	*****					
CENTRAL	15646.72	57840.00	2482.00	2415.64	2890.37	97.33	83.58	54486.00	57687.55	59075.94	105.88	97.65						
SECTOR STATE SECTOR	27069 50	68768.00	4110.00	4474.21	5162.82	108.86	86.66	64000.00	70621.80	73208.40	110.35	96.47						

SUB- REPORT 4

PLANT LOAD FACTOR (%)

1 DECLIPTIONAL DARED ON		THE A ST A ST A													
ALL INDIA TOTAL	286093.44	1330000.00	105977.00	101057.43	100977.44	95.36	100.08	1219786.00	1115479.70	1154720.91	91.45	96.60			
	0.00	7230.00	237.00	123.12	68.20	51.95	180.53	6925.00	8664.92	5688.10	125.13	152.33			
BHUTAN IMP															
TOTAL HYDRO	46209.22	140357.00	7047.00	7251.14	8435.84	102.90	85.96	131619.00	141859.49	146679.23	107.78	96.71			
IPP SECTOR	3046.00	12279.00	357.00	218.54	263.38	61.22	82.98	11792.00	12163.94	12993.49	103.15	93.62			
PVT SECTOR	447.00	1470.00	98.00	142.75	119.27	145.66	119.69	1341.00	1386.22	1401.40	103.37	98.92			

# Annex-II

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

Degion		Surplus(+)						
Region	Require	ment	Availa	Availability         Su           Availability         /Defic           pril-         April-         Mar-           019         2020         2019           9,804         21,888         -1.1           5,234         27,476         0.0           1,123         25,086         0.0           2,754         9,735         -0.1           1,198         979         -5.1	/Deficit (	it (-) in %		
	April-2019	April- 2020	April- 2019	April- 2020	Mar- 2019	Mar- 2020		
Northern	30,147	22,262	29,804	21,888	-1.1	-1.7		
Western	35,235	27,476	35,234	27,476	0.0	0.0		
Southern	31,125	25,088	31,123	25,086	0.0	0.0		
Eastern	12,792	9,735	12,754	9,735	-0.3	0.0		
North Eastern	1,270	1,048	1,198	979	-5.7	-6.5		
All India	1,10,567	85,608	1,10,112	85,164	-0.4	-0.5		

Dagian			Surplus(+)				
Kegion	Peak De	mand	Peak	Met	/Deficit (-	-) in %	
	April-2019	April- 2020	April- 2019	April- 2020	Mar- 2019	Mar- 2020	
Northern	47,779	41,228	47,210	40,680	-1.2	-1.3	
Western	56,242	43,721	56,222	43,721	0.0	0.0	
	49,218	42,767	49,103	42,767	-0.2	0.0	
Southern							
Eastern	22,415	16,594	22,378	16,594	-0.2	0.0	
North Eastern	2,848	2,475	2,780	2,433	-2.4	-1.7	
All India	1,77,424	1,33,315	1,76,810	1,32,779	-0.3	-0.4	

April-2020 Figures are Provisional

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