



सत्यमेव जयते

Government of India

विद्युत मंत्रालय

Ministry of Power

पूर्वी क्षेत्रीय विद्युत समिति

EASTERN REGIONAL POWER COMMITTEE

मासिक प्रगति रिपोर्ट

PROGRESS REPORT FOR THE MONTH OF

फरवरी- 2020

February-2020



14, गोल्फ क्लब रोड, टोलीगंज

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Highlights of Eastern Regional Power System for February-2020

- The **Maximum Net Demand** met of Eastern Region (ER) during the month of Feb, 2020 was **18962 MW** which is marginally more than the Feb, 2019 (18921 MW). Individual **Peak Demand (MW)** of most of constituents **increased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of Feb, 2020 was **359.29 MU** excluding export, which is marginally more than the corresponding period of last year (356.66 MU).
- The **Average regional PLF of thermal units during the month is 64.00%**, which is 2.58% less than the corresponding period of the last year (**66.58%**).

WBPDC (Santalidih TPS) registered the highest **PLF** of 99.85%, followed by WBPDC (Bakreswar TPP) 93.92% and GRIDCO (TTPS) 93.87% during the month of Feb, 2020.

- **Maximum Net generation** was **23235 MW** against total **Effective Capacity of 38881.26 MW** (including import from Bhutan). At the time of Regional peak (18962 MW on 11.02.2020 at 19.00 hrs.) the generation was 21105 MW and import from CPP was 1207 MW, Net export was 3350 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 73.95% of time during the month. **Average frequency** for the month was **49.99 Hz**. The instantaneous maximum and the minimum frequency touched were 50.33 Hz and 49.68 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.15 Hz** and **49.79 Hz** respectively (refer Annexure-I).
- The **Maximum Voltage** recorded **429 KV** at Binaguri 400 KV S/s whereas the minimum voltage recorded 391 KV at Jeerat 400 KV S/s of Power grid.
- The **Maximum Export** from ER to outside region was **9571 MW** (including Nepal and Bangladesh) on 28thFeb, 2020 at 09:00 hrs. Total net energy export during the month was 3443.45 MU (Inc. Transmission loss) MU which corresponds to 26.43 % of ex-bus total generation 13030.42 MU of Eastern Region.
- The import from CPPs was 832.43 MU during the month.
- Export(+)/Import(-) during the month:

Region/Country	Max. Export of Power from ER (MW)	Max. Import of Power by ER (MW)	Net Export of Energy inc. Transmission loss(MU)
NR	4266	613	1552.99
WR	724	3598	-1088.50
SR	4339	0	2000.97
NER	1576	675	502.66
BANGLADESH	892		299.66
NEPAL (via-CTU)	277		175.67
Total			3443.45
NEPAL by Bihar(NBPDCL)			91.82

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Feb-20	FEB-2019	CHANGE	% CHANGE
1)	Effective Capacity (end of the Month)				
	THERMAL (MW)	29320	27340	1980	7.24
	HYDRO (MW)	5877	\$ 5876	1	0
	DIESEL (MW)	0	0	0	0
	RES (MW)	1489	886	0	0
	TOTAL (MW)	36685	34102	2583	7.57
2)	Peak Demand (MW)	18968	18923	45	0.24
3)	Peak Demand Met (MW)	18962	18921	41	0.22
4)	Shortage (MW)	7	2	5	231.83
5)	% Shortage	0.03	0.01	0.02	249.88
6)	Average Energy Requirement Per Day (MU)	359.79	357.25	2.54	0.71
7)	Average Energy Availability Per Day (MU)	359.29	356.66	2.63	0.74
8)	Average Shortage Per Day (MU)	0.50	0.59	-0.09	-15.25
9)	% Shortage	0.14	0.17	-0.03	-18.24
10)	Net Generation for the Month				
	Thermal (MU)	12089.64	11274.86	814.78	7.23
	Hydro (MU)	847.84	* 724.03	123.81	17.10
	RES (MU)	92.94	0.00	0.00	-
	Total (MU)	13030.42	12073.76	956.66	7.92
11)	Generation at the Time of Max. Regional Demand Met (11-02-20 at 19.00 Hrs.)				
	Thermal (MW)	18826	18676	150	0.80
	Hydro (MW)	2251	* 3922	-1671	-42.62
	RES(MW)	28	25	3	13.11
	Total (MW)	21105	22623	-1518	-6.71
12)	Inter-Regional Energy Transfer				
	Export (MU)	4531.96	3719.62	812.34	21.84
	Import (MU)	1088.50	914.92	173.58	18.97
	Net Exp.(+)/Net Imp.(-) (MU)	3443.45	2804.70	638.75	22.77
13)	Import From Captive(MU)	832.43	717.37	115.06	16.04
14)	Peak Inter Regional Power Transfer				
	Max Export (MW) on 28-02-20 at 09.00Hrs	9571	7259	2312	31.86
	Max Import (MW) on 21-02-20 at 03.00Hrs	3821	3196	625	19.55
	Max Net Export(+)/Import (-) (MW)	8187	6454	1733	26.85
15)	Maximum voltage recorded	429	BINAGURI	400 kv	s/s
16)	Minimum voltage recorded	391	JEERAT	400 kv	s/s

\$ Excludes 2196 MW contribution from HEPs of Bhutan

* Includes contribution from HEP of Bhutan (Chukha, Kurichhu ,Dagahhu , Tala & Mangdechhu HEP)

POWER SUPPLY POSITION FOR THE MONTH OF FEB'2020

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	75.34	75.62	0.29	0.38
JUVNL	24.66	25.23	0.57	2.25
DVC	63.06	63.08	0.02	0.04
ODISHA	71.94	71.97	0.03	0.04
WBSEDCL	99.50	99.62	0.11	0.11
CESC	22.44	22.44	0.01	0.04
SIKKIM	1.83	1.83	0.00	0.04
REGION	359.3	359.79	0.50	0.14

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	4280	4280	0	0.00
JUVNL	1331	1331	0	0.00
DVC	2973	2973	0	0.00
ODISHA	4017	4018	1	0.02
WBSEDCL	5177	5182	5	0.10
CESC	1345	1345	0	0.0
SIKKIM	114	114	0	0.00
REGION	18962	18968	7	0.03

➤ **DIVERSITY FACTOR** **1.01**

➤ **Regional Peak Demand Met on 11-2-2020 at 19.00 hrs. at 49.99 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA FEBRUARY-2020

SYSTEM	Gross Generation(MU)				Auxiliary power Consumption(MU)				Net Generation (MU)				Import from	Exchange	Energy	Per Day	Net Peak	Gross Peak
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total	Captive (MU)	Net Import(+) Net Export(-)	Consumption(MU)	Cons.(MU)	Demand Met (MW)	Demand Met (MW)
BSPHCL	0.00	19.13	52.27	71.40	0.00	3.23	0.00	3.23	0.00	15.90	52.27	68.17	0.00	2116.59	2184.76	75.3	4280	4280
JUVNL	0.00	131.58	0.00	131.58	0.00	17.99	0.00	17.99	0.00	113.59	0.00	113.59	51.59	550.03	715.22	24.7	1331	1352
DVC	19.33	3091.75	0.00	3111.09	0.06	205.70	0.00	205.77	19.27	2886.05	0.00	2905.32	8.33	-1085.02	1828.63	63.1	2973	3310
ODISHA(OPGC+OHPC+TTPS)	425.38	959.58	32.09	1417.04	1.91	87.45	0.00	89.35	423.48	872.13	32.09	1327.69	659.30	99.36	2086.35	71.9	4017	4118
WBPDC+WBSEDCL+DPL	78.44	1851.65	6.50	1936.58	0.00	167.69	0.00	167.69	78.44	1683.96	6.50	1768.90	113.21	1003.48	2885.60	99.5	5177	5462
CESC	0.00	488.86	0.00	488.86	0.00	35.21	0.00	35.21	0.00	453.64	0.00	453.64	0.00	196.98	650.63	22.4	1345	1407
HEL	0.00	319.61	0.00	319.61	0.00	23.57	0.00	23.57	0.00	296.04	0.00	296.04	0.00	-296.04				
SIKKIM	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	51.96	52.96	1.8	114	114
NTPC	0.00	4362.03	1.08	4363.12	0.00	314.45	0.00	314.45	0.00	4047.58	1.08	4048.66	0.00	-4048.66				
MPL	0.00	611.91	0.00	611.91	0.00	34.13	0.00	34.13	0.00	577.78	0.00	577.78	0.00	-577.78				
APNRL	0.00	222.86	0.00	222.86	0.00	17.17	0.00	17.17	0.00	205.69	0.00	205.69	0.00	-205.69				
GMR	0.00	343.39	0.00	343.39	0.00	23.82	0.00	23.82	0.00	319.57	0.00	319.57	0.00	-319.57				
JITPL	0.00	657.15	0.00	657.15	0.00	39.44	0.00	39.44	0.00	617.71	0.00	617.71	0.00	-617.71				
NHPC (Inc TLDP= 31.52 MU)	119.00	0.00	0.00	119.00	0.00	0.00	0.00	0.00	119.00	0.00	0.00	119.00	0.00	-119.00	0.00			
CHPC(Birpara Receipt)	-8.39	0.00	0.00	-8.39	0.00	0.00	0.00	0.00	-8.39	0.00	0.00	-8.39	0.00	8.39	0.00			
KHPS	-12.95	0.00	0.00	-12.95	0.00	0.00	0.00	0.00	-12.95	0.00	0.00	-12.95	0.00	12.95	0.00			
THPS	-5.87	0.00	0.00	-5.87	0.00	0.00	0.00	0.00	-5.87	0.00	0.00	-5.87	0.00	5.87	0.00			
DAGACHU HPS	12.05	0.00	0.00	12.05	0.00	0.00	0.00	0.00	12.05	0.00	0.00	12.05	0.00	-12.05	0.00			
Mangdechhu HEP	61.76	0.00	0.00	61.76	0.00	0.00	0.00	0.00	61.76	0.00	0.00	61.76	0.00	-61.76	0.00			
CHUZACHEN HPS	3.98	0.00	0.00	3.98	0.00	0.00	0.00	0.00	3.98	0.00	0.00	3.98	0.00	-3.98	0.00			
JORHANG HPS	8.37	0.00	0.00	8.37	0.00	0.00	0.00	0.00	8.37	0.00	0.00	8.37	0.00	-8.37	0.00			
TEESTA-III HPS	135.92	0.00	0.00	135.92	0.00	0.00	0.00	0.00	135.92	0.00	0.00	135.92	0.00	-135.92	0.00			
DIKCHU HPS	4.55	0.00	0.00	4.55	0.00	0.00	0.00	0.00	4.55	0.00	0.00	4.55	0.00	-4.55	0.00			
TASHIDING HPS	8.26	0.00	0.00	8.26	0.00	0.00	0.00	0.00	8.26	0.00	0.00	8.26	0.00	-8.26	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar														14.98	14.98			
Total	849.81	13059.49	92.94	14002.24	1.97	969.86	0.00	971.83	847.84	12089.64	92.94	13030.42	832.44	-3443.74	10419.11	359.3	18962	20315

3A

13030.42

10419.11

POWER SUPPLY POSITION IN EASTERN REGION DURING THE YEAR AS COMPARED TO PREVIOUS YEAR

A) Net Average Energy

Month	2018-19					2019-20				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MU/Day)	(MU/Day)	(MU/Day)	(%)	(HZ)	(MU/Day)	(MU/Day)	(MU/Day)	(%)	(HZ)
APRIL	393.59	396.98	3.39	0.85	49.96	428.71	429.56	0.85	0.20	50.00
MAY	420.52	425.36	4.84	1.14	49.94	451.15	452.79	1.64	0.36	49.99
JUNE	437.39	441.13	3.74	0.85	49.97	461.72	462.87	1.15	0.25	49.99
JULY	425.68	427.31	1.63	0.38	49.97	450.73	451.52	0.79	0.17	50.00
AUGUST	446.36	449.17	2.81	0.63	49.97	460.9	462.13	1.26	0.27	49.99
SEPTEMBER	440.53	448.47	7.94	1.77	49.96	445.43	446.55	1.12	0.25	50.00
OCTOBER	419.33	423.20	3.87	0.91	49.96	391.21	391.33	0.12	0.03	50.00
NOVEMBER	368.99	371.76	2.77	0.75	49.97	344.02	344.15	0.12	0.04	50.00
DECEMBER	340.51	342.17	1.66	0.49	49.96	338.90	339.25	0.35	0.10	49.99
JANUARY	355.14	357.42	2.29	0.64	49.98	349.04	349.39	0.34	0.10	49.99
FEBRUARY	356.66	357.25	0.59	0.17	49.99	359.29	359.79	0.50	0.14	49.99
MARCH	384.42	385.48	1.06	0.27	49.99	-	-	-	-	-

B) Peak in MW:

Month	2018-19					2019-20				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MW)	(MW)	(MW)	(%)	(HZ)	(MW)	(MW)	(MW)	(%)	(HZ)
APRIL	21058	21128	70	0.33	49.96	22378	22415	37	0.17	50.00
MAY	21902	22012	111	0.50	49.94	22781	22830	49	0.22	49.99
JUNE	22080	22964	884	3.85	49.97	22808	22867	59	0.26	49.99
JULY	21790	21849	59	0.27	49.97	23154	23246	92	0.40	50.00
AUGUST	22580	22794	215	0.94	49.97	23398	23421	22	0.10	49.99
SEPTEMBER	22286	22815	529	2.32	49.96	23126	23276	150	0.64	50.00
OCTOBER	22733	23093	360	1.56	49.96	21706	21726	20	0.09	50.00
NOVEMBER	20322	20512	190	0.93	49.97	19212	19291	79	0.41	50.00
DECEMBER	18023	18049	25	0.14	49.96	18068	18068	0	0.00	49.99
JANUARY	18702	18783	81	0.43	49.98	18714	18758	44	0.24	49.99
FEBRUARY	18921	18923	2	0.01	49.99	18962	18968	7	0.03	49.99
MARCH	21221	21416	195	0.91	49.99	-	-	-	-	-

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF FEBRUARY-2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	Net Energy Generation in MU	Cummulative Gross Energy Generation upto Current Month (2019-20) in MU	Cummulative Net Energy Generation upto Current Month (2019-20) in MU
BIHAR	Thermal	Barauni (U# 6&7)	220.00	210.00	19.13	16.83	144.14	124.42
		Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	587.75	511.20
		Thermal Total	440.00	430.00	19.13	15.90	731.89	634.69
	RES		341.25	341.25	52.27	52.27	319.11	319.11
		Total BIHAR	781.25	771.25	71.40	68.17	1051.00	953.79
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	131.58	113.59	2201.83	1928.87
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	0.00	0.00	36.12	36.12
	RES		46.75	46.75	0.00	0.00	0.00	0.00
	Total	176.75	176.75	0.00	0.00	36.12	36.12	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	0.00	94.03	68.54
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	283.92	256.17	3137.78	2831.28
		Durgapur(4)	210.00	210.00	89.53	79.39	430.56	367.60
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	523.03	470.80	6790.86	6092.57
		Mezia(U # 7,8)	1000.00	1000.00	551.21	524.88	4855.19	4590.16
		Bokaro-A(1)	500.00	500.00	242.30	229.33	2425.19	2286.31
		Durgapur STPS (U#1,2)	1000.00	1000.00	558.79	530.78	5755.34	5432.50
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	291.89	273.30	4718.10	4424.76
		Koderma STPS (U#1,2)	1000.00	1000.00	551.07	521.94	6010.18	5674.30
		Total Thermal	7100.00	7090.00	3091.75	2886.05	34217.23	31766.42
	Hydro	Maithon (U#1,2,3)	63.20	63.20	9.39	9.36	77.99	77.65
		Panchet (U#1,2)	80.00	80.00	7.36	7.34	105.60	104.91
		Tilaya (U#1,2)	4.00	4.00	2.58	2.6	4.15	4.1
		Hydro Total	147.20	147.20	19.33	19.27	187.74	186.62
	Total DVC	7247.20	7237.20	3111.09	2905.32	34404.97	31953.03	
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	32.73	27.52	838.72	736.29
		Santalidih TPS(U#5&6)	500.00	500.00	347.47	320.56	3320.85	3048.40
		Kolaghat TPS	1260.00	1260.00	111.92	95.71	2752.66	2419.23
		Bakreswar TPP	1050.00	1050.00	686.36	630.11	6290.10	5716.05
		Sagardighi TPP	1600.00	1600.00	529.24	479.62	6118.09	5561.24
		DPPS (110+300+250 *)	660.00	660.00	143.92	130.44	2076.40	1859.60
		Thermal Total	5450.00	5405.00	1851.65	1683.96	21396.83	19340.81
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	6.02	6.02	180.25	180.25
		Ramam (4x12.73)	51.00	51.00	8.27	8.27	238.05	238.05
		Teesta C.F. (3x3x7.5)	67.50	67.50	0.00	0.00	43.75	43.75
		Purulia PSS (4x225)	900.00	900.00	64.14	64.14	1049.84	1049.84
		Total Hydro	1053.50	1053.50	78.44	78.44	1511.89	1511.89
	RES	527.29	527.29	6.50	6.50	166.97	166.97	
➤ Chandrapura #1 is retired on 17.01.17 ➤ Patratu # 1,2,3,5,8 are retired on 21.12.16								

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF FEBRUARY-2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	Net Energy Generation in MU	Cummulative Gross Energy Generation upto Current Month (2019-20) in MU	Cummulative Net Energy Generation upto Current Month (2019-20) in MU
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00
		Southern (2x67.5)	135.00	135.00	0.00	0.00	339.26	307.20
		Budge-Budge (3x250)	750.00	750.00	488.86	453.64	5308.81	4899.76
		Total CESC	1125.00	1125.00	488.86	453.64	5648.07	5206.96
HEL	Thermal	HEL	600.00	600.00	319.61	296.04	4154.88	3842.60
		Total West Bengal	8755.79	8710.79	2745.05	2518.58	32878.65	30069.23
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	167.17	149.20	1687.74	1498.61
		Talcher-II	220.00	220.00	133.38	119.08	1413.24	1254.66
		Total Thermal	470.00	460.00	300.54	268.27	3100.98	2753.27
OPGC	Thermal	IB TPS	420.00	420.00	188.45	165.83	2416.96	2140.73
		IB TPS U#3(660 MW)	660.00	660.00	259.75	241.78	2045.79	1913.66
		IB TPS U#4(660 MW)	660.00	660.00	210.84	196.25	1772.51	1635.74
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	20.12	19.98	526.08	523.48
		Hirakud-II (Chiplima)	72.00	72.00	11.96	11.93	230.77	229.62
		Balimela (6x60+2x75)	510.00	510.00	73.59	72.18	1433.74	1423.44
		Rengali (5x50)	250.00	250.00	43.72	43.65	611.29	608.75
		Upper Kolab (4x80)	320.00	320.00	75.78	75.65	747.60	743.76
		Indravati HPS (4x150)	600.00	600.00	175.62	175.48	2084.40	2063.36
		Mckd.(Odisha drawal)	57.38	57.38	24.60	24.60	281.61	281.61
		Total Hydro	2084.88	2084.88	425.38	423.48	5915.49	5874.02
		RES	511.21	511.21	32.09	32.09	282.58	282.58
		Total Odisha	4806.09	4796.09	1417.04	1327.69	14796.21	13927.55
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00	1.00	25.00	25.00
NTPC		MTPS Stg-II	390.00	390.00	189.1771162	170.40	2134.03	1913.37
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	895.56	831.63	9492.66	8755.29
		FSTPP (U# 6)	500.00	500.00	305.82	285.69	2548.84	2378.55
		KhSTPP (4x210+3x500)	2340.00	2340.00	1456.35	1353.53	15135.00	14018.54
		TSTPP (2x500)	1000.00	1000.00	336.97	307.72	5462.56	4995.37
		BARH STPS II (2X660)	1320.00	1320.00	352.59	326.90	7611.19	7165.53
		BRBCL # I,2,3(3X250 MW)	750	750	475.19	440.63	4488.88	4152.69
		NSTPS	660.00	660.00	350.38	331.07	2387.87	2240.39
		DSTPP			0.00	0.00	234.43	187.68
		Total NTPC	8560.00	8560.00	4362.03	4047.58	49495.47	45807.41
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	11.88	11.88	335.36	335.36
		Teesta (3x170)	510.00	510.00	75.60	75.60	2699.46	2699.46
		TLDP -(4x33+4x40)	292.00	292.00	31.52	31.52	1261.30	1261.30
		Total NHPC	862.00	862.00	119.00	119.00	4296.12	4296.12
		MPL (U#1&2)	1050.00	1050.00	611.91	577.78	6059.30	5701.17
		APNRL (U#1,2)	540.00	540.00	222.86	205.69	2716.26	2487.58
		GMR (2x350)	700.00	700.00	343.39	319.57	3469.92	3220.78
		JITPL (2X600)	1200.00	1200.00	657.15	617.71	4763.05	4458.83
		CHUZACHEN** (2x55)	110.00	110.00	3.98	3.98	456.28	456.28
		JORETHANG (2x48)	96.00	96.00	8.37	8.37	393.74	393.74
		TEESTA URJA St III (6x200)	1200.00	1200.00	135.92	135.92	5820.16	5820.16
		Tashilding (2x48.5)	97.00	97.00	8.26	8.26	424.42	424.42
		DICKCHU (2x48)	96.00	96.00	4.55	4.55	462.43	462.43
		TALCHER SOLAR	10.00	10.00	1.08	1.08	12.13	12.13
		Total Thermal (E.R)	29395.00	29320.00	13059.49	12089.64	144190.97	132839.50
EASTERN REGIONAL		Total Hydro (E.R)	5876.58	5876.58	803.22	801.25	19504.39	19461.80
		Total RES	1488.68	1488.68	92.94	92.94	805.79	805.79
		TOTAL (E.R)	36760.26	36685.26	13955.65	12983.83	164501.15	153107.08
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	-8.39	-8.39	1583.08	1583.08
	Hydro	Kurichu (4x15)	60.00	60.00	-12.95	-12.95	247.75	247.75
	Hydro	TALA (6x170)	1020.00	1020.00	-5.87	-5.87	2552.58	2552.58
	Hydro	DAGACHU (2x63)	126.00	126.00	12.05	12.05	379.25	379.25
		MANGDECHU(4x180)	720.00	720.00	61.76	61.76	1494.56	1494.56
Grand Total			39046.26	38881.26	14002.24	13030.42	170758.36	159364.30

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF FEBRUARY' 2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	PLF of Current Month	Cummulative Gross Energy Generation upto Current Month	Cummulative PLF upto Current Month
			(in MW)	(in MW)	in MU	(%)	(2019-20) in MU	(%)
BIHAR	Thermal	Barauni (U# 6&7)	220.00	210.00	19.13	13.09	144.14	8.54
		Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	587.75	33.23
		Thermal Total	440.00	430.00	19.13	6.39	731.89	21.17
	RES		341.25	341.25	52.27		319.11	
		Total BIHAR	781.25	771.25	71.40		1051.00	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	131.58	45.01	2201.83	65.20
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	0.00		36.12	
	RES		46.75	46.75	0.00		0.00	
	Total		176.75	176.75	0.00		36.12	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	0.00	94.03	5.57
		Chandrapura (3)	140.00	130.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	283.92	81.59	3137.78	78.05
		Durgapur(4)	210.00	210.00	89.53	61.26	430.56	25.50
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	523.03	56.08	6790.86	63.03
		Mezia(U # 7,8)	1000.00	1000.00	551.21	79.20	4855.19	60.39
		Bokaro-A(1)	500.00	500.00	242.30	69.63	2425.19	60.33
		Durgapur STPS (U#1,2)	1000.00	1000.00	558.79	80.29	5755.34	71.58
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	291.89	34.95	4718.10	48.90
		Koderma STPS (U#1,2)	1000.00	1000.00	551.07	79.18	6010.18	74.75
	Total Thermal	7100.00	7090.00	3091.75	62.65	34217.23	60.03	
	Hydro	Maithon (U#1,2,3)	63.20	63.20	9.39		77.99	
		Panchet (U#1,2)	80.00	80.00	7.36		105.60	
		Tilaya (U#1,2)	4.00	4.00	2.58		4.15	
		Hydro Total	147.20	147.20	19.33		187.74	
Total DVC		7247.20	7237.20	3111.09		34404.97		
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	32.73	14.04	838.72	31.14
		Santalidih TPS(U#5&6)	500.00	500.00	347.47	99.85	3320.85	82.61
		Kolaghat TPS	1260.00	1260.00	111.92	12.76	2752.66	27.17
		Bakreswar TPP	1050.00	1050.00	686.36	93.92	6290.10	74.51
		Sagardighi TPP	1600.00	1600.00	529.24	47.53	6118.09	47.56
		DPPS (110+300+250 *)	660.00	660.00	143.92	31.33	2076.40	39.13
		Thermal Total	5450.00	5405.00	1851.65	49.22	21396.83	49.24
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	6.02		180.25	
		Ramam (4x12.73)	51.00	51.00	8.27		238.05	
		Teesta C.F. (3x3x7.5)	67.50	67.50	0.00		43.75	
		Purulia PSS (4x225)	900.00	900.00	64.14		1049.84	
		Total Hydro	1053.50	1053.50	78.44		1511.89	
		RES	527.29	527.29	6.50		166.97	

WBPDC, Bandel TPS Unit #3 & Unit #4 (IC=2X82.5 MW, EC=2X60 MW) decommissioned from 01.04.2018.

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF FEBRUARY 2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	PLF of Current Month	Cummulative Gross Energy Generation upto Current Month	Cummulative PLF upto Current Month
			(in MW)	(in MW)	in MU	(%)	(2019-20) in MU	(%)
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00
		Southern (2x67.5)	135.00	135.00	0.00	0.00	339.26	31.26
		Budge-Budge (3x250)	750.00	750.00	488.86	93.65	5308.81	88.04
		Total CESC	1125.00	1125.00	488.86	62.43	5648.07	62.44
HEL	Thermal		600.00	600.00	319.61	76.54	4154.88	86.13
		Total West Bengal	8755.79	8710.79	2745.05		32878.65	
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	167.17	100.08	1687.74	87.47
		Talcher-II	220.00	220.00	133.38	87.10	1413.24	79.90
		Total Thermal	470.00	460.00	300.54	93.87	3100.98	83.85
OPGC	Thermal	IB TPS	420.00	420.00	188.45	64.47	2416.96	71.58
		IB TPS U#3(660 MW)	660.00	660.00	259.75	56.55	2045.79	47.77
		IB TPS U#4(660 MW)	660.00	660.00	210.84	45.90	1772.51	49.17
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	20.12		526.08	
		Hirakud-II (Chiplima)	72.00	72.00	11.96		230.77	
		Balimela (6x60+2x75)	510.00	510.00	73.59		1433.74	
		Rengali (5x50)	250.00	250.00	43.72		611.29	
		Upper Kolab (4x80)	320.00	320.00	75.78		747.60	
		Indravati HPS (4x150)	600.00	600.00	175.62		2084.40	
		Mckd.(Odisha drawal)	57.38	57.38	24.60		281.61	
		Total Hydro	2084.88	2084.88	425.38		5915.49	
		RES	511.21	511.21	32.09		282.58	
		Total Odisha	4806.09	4796.09	1417.04		14796.21	
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00		25.00	
NTPC		MTPS Stg-II	390	390	189.177116	69.69	2134.03	68.06
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	895.56	80.42	9492.66	73.79
		FSTPP (U# 6)	500.00	500.00	305.82	87.88	2548.84	63.40
		KhSTPP (4x210+3x500)	2340.00	2340.00	1456.35	89.42	15135.00	80.45
		TSTPP (2x500)	1000.00	1000.00	336.97	48.42	5462.56	67.94
		BARH STPS II (2X660)	1320.00	1320.00	352.59	38.38	7611.19	71.72
		BRBCL # 1,2,3(3X250 MW)	750.00	750.00	475.19	91.03	4488.88	74.44
		NSTPS	660.00	660.00	350.38	76.27	2387.87	77.36
		DSTPP			0.00		234.43	
		Total NTPC	8560.00	8560.00	4362.03	73.22	49495.47	73.95
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	11.88		335.36	
		Teesta (3x170)	510.00	510.00	75.60		2699.46	
		TLDP -(4x33+4x40)	292.00	292.00	31.52		1261.30	
		Total NHPC	862.00	862.00	119.00		4296.12	
	Thermal	MPL (U#1&2)	1050.00	1050.00	611.91	83.73	6059.30	71.78
		APNRL (U#1,2)	540.00	540.00	222.86	59.30	2716.26	62.56
		GMR (2x350)	700.00	700.00	343.39	70.48	3469.92	61.65
		JITPL (2X600)	1200.00	1200.00	657.15	78.68	4763.05	49.37
		CHUZACHEN** (2x55)	110.00	110.00	3.98		456.28	
		JORETHANG (2x48)	96.00	96.00	8.37		393.74	
		TEESTA URJA St III (6x200)	1200.00	1200.00	135.92		5820.16	
		Tashilding (2x48.5)	97.00	97.00	8.26		424.42	
		DICKCHU (2x48)	96.00	96.00	4.55		462.43	
		TALCHER SOLAR	10.00	10.00	1.08		12.13	
EASTERN REGIONAL		Total Thermal (E.R)	29395.00	29320.00	13059.49	64.00	144190.97	62.42
		Total Hydro (E.R)	5876.58	5876.58	803.22		19504.39	
		Total RES	1488.68	1488.68	92.94		805.79	
		TOTAL (E.R)	36760.26	36685.26	13955.65		164501.15	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	-8.39		1583.08	
	Hydro	Kurichu (4x15)	60.00	60.00	-12.95		247.75	
	Hydro	TALA (6x170)	1020.00	1020.00	-5.87		2552.58	
	Hydro	DAGACHU (2x63)	126.00	126.00	12.05		379.25	
		MANGDECHU(4x180)	720.00	720.00	61.76		1494.56	
		Grand Total	39046.26	38881.26	14002.24		170758.36	

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF FEB'2020 (11-2-2020)

Date 11-Feb-20
Time 19.00 Hrs.
Frequency 49.99 Hz.

(All Fig. in MW)

System/State	Installed Capacity	Effective Capacity	Hydro	Thermal	RES	Total
BSPHCL	781	771	0	0	0	0
JUVNL	597	597	0	134	0	134
DVC	7247	7237	52	4872	0	4923
ODISHA	4806	4796	1286	903	28	2218
WBSEDCL	6371	6326	20	2451	0	2470
TLDP	292	292	218	0	0	218
HEL HALDIA	600	600	0	538	0	538
CESC	1125	1125	0	720	0	720
DPL	660	660	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	8560	8560	0	6757	0	6757
NHPC	570	570	291	0	0	291
CHUKHA	360	270	-18	0	0	-18
KURICHU	60	60	-34	0	0	-34
TALA	1020	1020	-13	0	0	-13
MPL	1050	1050	0	969	0	969
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	228	0	228
Kamalganga (GMR)	700	700	0	508	0	508
JITPL	1200	1200	0	746	0	746
Chuzachen	110	110	0	0	0	0
Jorethang	96	96	37	0	0	37
TEESTA URJA St III	1200	1200	260	0	0	260
Tashilding	97	97	47	0	0	47
DICKCHU	96	96	0	0	0	0
<u>Daghachu</u>	126	126	16	0	0	16
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechhu</u>	720	720	89	0	0	89
<u>Total</u>	39046	38881	2251	18826	28	21105
Import From Captive:						1207
Export To:						
NER						1325
SR						2043
WR						-2197
NR						1151
Bangladesh						777
Nepal						250
Total						3350
➤ I Net Peak Demand Met (MW) :						18962

Indicates Export(+)/Import(-) of Power

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of FEB'2020 (11-2-2020)

(All Figures in MW)

Generation				Import	Net	Net	Demand	Freq.	Load	
Hrs.	Hydro	Thermal	Total	from Captive	Import From Hydro of Bhutan	Export to other region	Met	Correction	Shed	Requirement
1	524	14258	14782	1190	113	2515	13571	-2	0	13571
2	406	13424	13830	1151	191	1577	13596	5	0	13600
3	358	13259	13617	1218	211	1591	13455	26	0	13481
4	243	13192	13435	1199	214	1428	13420	-13	0	13420
5	383	13991	14374	1197	171	2060	13682	24	1	13707
6	1220	16609	17829	1212	132	4531	14642	29	0	14671
7	2944	17825	20769	1220	27	5788	16229	17	0	16246
8	3285	18714	21999	1194	2	5783	17413	6	1	17420
9	3169	18765	21935	1153	3	5562	17529	-26	45	17548
10	3003	18719	21723	1117	20	5646	17215	-18	6	17221
11	2898	18580	21478	1048	24	5943	16607	-13	8	16615
12	2453	18131	20585	1028	25	5532	16105	-3	4	16107
13	1726	17874	19600	1066	32	5068	15631	15	1	15647
14	820	17826	18647	1031	40	4775	14942	0	3	14945
15	758	17979	18737	1077	31	5570	14275	-2	3	14275
16	940	17933	18873	1121	39	5695	14338	1	0	14340
17	1305	17887	19192	1132	25	5487	14862	34	1	14897
18	1528	18488	20017	1185	37	4693	16546	17	0	16563
19	2238	18826	21064	1207	41	3350	18962	7	0	18968
20	2337	19026	21363	1214	58	3745	18889	-10	0	18889
21	1578	18814	20392	1226	66	3750	17934	-16	0	17934
22	988	18456	19444	1236	67	4023	16723	-23	0	16723
23	627	17604	18231	1204	38	4202	15271	-19	0	15271
24	568	15848	16416	1183	53	3590	14061	-12	0	14061

Hourly Load Generation Data of ER On Regional Lean Day During The Month of FEB'2020 (24-2-2020)

(All Figures in MW)

Generation				Import	Net	Net	Demand	Freq.	Load	
Hrs.	Hydro	Thermal	Total	from Captive	Import From Hydro of Bhutan	Export to other region	Met	Correction	Shed	Requirement
1	399	15033	15432	925	88	4044	12401	-14	0	12401
2	258	14327	14584	902	94	3716	11865	-15	0	11865
3	209	13793	14001	902	99	3389	11613	-10	0	11613
4	167	13732	13899	899	96	3475	11419	2	1	11422
5	170	14576	14746	870	94	4199	11511	-2	4	11513
6	432	16046	16478	900	84	5182	12280	14	5	12300
7	1875	17634	19509	887	53	6827	13623	32	4	13659
8	2599	18820	21419	891	41	7563	14788	-3	21	14806
9	2599	18796	21395	860	42	6991	15305	5	77	15387
10	2621	18940	21561	823	46	7025	15406	15	5	15426
11	1678	19127	20805	748	53	6485	15122	1	3	15126
12	1288	18890	20179	780	56	6181	14834	-16	2	14836
13	1126	18645	19771	733	72	6102	14474	27	1	14502
14	679	18120	18799	767	74	6080	13561	-13	0	13561
15	708	17764	18472	815	69	6265	13092	50	0	13142
16	1110	18090	19200	864	54	6912	13206	5	0	13211
17	1535	18589	20124	866	45	7247	13788	39	1	13827
18	1565	18839	20404	854	67	6079	15245	12	1	15258
19	2336	19154	21490	874	107	4776	17695	40	0	17735
20	2112	19230	21342	893	119	4769	17584	11	0	17595
21	1611	19020	20630	913	114	4666	16992	24	0	17015
22	836	18682	19518	1052	93	4849	15814	32	0	15846
23	666	17973	18640	1014	40	4973	14721	24	0	14746
24	292	17138	17431	1051	60	4717	13825	31	0	13857

NOTIFIED POWER CUTS/RESTRICTIONS ON INDUSTRIES & POWER SUPPLY TO AGRICULTURE SECTOR

FOR THE MONTH OF FEB'2020

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 7.42 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 16.15 MU
DVC	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 0.00 MU
ODISHA	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 0.00 MU
WEST BENGAL	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 2.13 MU

POWER SUPPLY TO AGRICULTURAL SECTOR

STATE	HOURS OF SUPPLY (AVERAGE / DAY)
BIHAR	18 HRS.00 MINS.
JHARKHAND	ABOUT 20 to 22 HRS.
ODISHA	24 HRS.
WEST BENGAL	23 HRS.

FREQUENCY DETAILS FOR THE MONTH OF

Feb-20

D A T E	H O U R S										INST. FREQ.				15 MIN. INTEGRATED			
	00	05	10	17	22	00	49.9	>50.05	49.9		MAX	HRS.	MIN	HRS.	MAX	HRS.	MIN	HRS.
	TO	TO	TO	TO	TO	TO	<49.9	TO	TO		HZ		HZ		HZ		HZ	
	05	10	17	22	24	24		50.1	50.05									
01-Feb	50.00	50.00	50.00	49.98	50.01	50.00	3.40	75.30	21.30	75.30	50.22	12.01.40	49.81	20.39.30	50.09	0:00	49.89	0:00
02-Feb	50.00	50.01	50.00	50.01	49.99	50.00	5.10	69.40	25.50	69.40	50.31	18.01.40	49.80	09.06.40	50.15	0:00	49.86	0:00
03-Feb	50.00	49.93	49.94	49.97	49.97	49.96	17.30	72.70	10.00	72.70	50.28	18.01.40	49.71	06.45.30	50.07	0:00	49.79	0:00
04-Feb	49.96	49.92	49.97	49.98	49.97	49.96	15.80	73.40	10.80	73.40	50.26	18.01.40	49.68	06.13.50	50.06	0:00	49.81	0:00
05-Feb	49.99	49.97	50.00	49.99	50.00	49.99	6.10	74.50	19.40	74.50	50.24	18.02.20	49.69	09.07.00	50.10	0:00	49.81	0:00
06-Feb	49.97	49.98	50.00	49.99	50.01	49.99	6.50	75.80	17.70	75.80	50.24	18.02.00	49.82	07.33.30	50.06	0:00	49.89	0:00
07-Feb	49.99	50.00	49.98	49.99	50.02	49.99	7.00	72.90	20.10	72.90	50.22	18.02.50	49.73	12.11.50	50.07	0:00	49.88	0:00
08-Feb	50.01	49.98	49.99	49.97	50.01	49.99	7.40	72.70	19.90	72.70	50.20	18.02.40	49.76	22.07.00	50.08	0:00	49.85	0:00
09-Feb	49.98	49.99	50.00	50.02	50.03	50.00	4.60	71.00	24.40	71.00	50.30	06.02.20	49.77	08.49.10	50.12	0:00	49.87	0:00
10-Feb	50.02	50.00	50.01	50.03	50.01	50.01	2.70	67.70	29.60	67.70	50.22	18.00.30	49.79	22.11.10	50.12	0:00	49.90	0:00
11-Feb	49.98	50.00	49.99	50.01	50.03	50.00	6.40	70.60	23.00	70.60	50.25	22.01.30	49.81	05.12.0	50.10	0:00	49.88	0:00
12-Feb	49.99	50.00	49.98	49.98	49.98	49.99	7.40	74.30	18.30	74.30	50.18	18.01.20	49.75	18.16.30	50.08	0:00	49.88	0:00
13-Feb	49.95	49.98	49.99	49.96	49.99	49.97	10.60	76.00	13.40	76.00	50.18	12.03.30	49.71	06.11.30	50.07	0:00	49.88	0:00
14-Feb	49.97	49.97	50.00	50.01	49.98	49.99	7.20	75.90	17.00	75.90	50.20	22.01.40	49.70	06.13.20	50.07	0:00	49.86	0:00
15-Feb	50.00	50.00	49.98	50.00	49.99	49.99	6.40	76.40	17.20	76.40	50.21	12.01.30	49.75	12.11.40	50.06	0:00	49.88	0:00
16-Feb	50.01	49.99	50.00	50.02	49.96	50.00	3.20	75.10	21.70	75.10	50.25	18.01.10	49.72	22.08.40	50.12	0:00	49.90	0:00
17-Feb	50.01	50.00	49.99	50.02	49.98	50.00	3.80	77.70	18.40	77.70	50.27	18.01.20	49.74	12.15.30	50.09	0:00	49.91	0:00
18-Feb	49.96	49.97	49.99	49.99	49.98	49.98	8.60	78.30	13.10	78.30	50.23	18:01:40	49.72	05:12:20	50.08	0:00	49.86	0:00
19-Feb	50.00	50.00	49.97	49.99	50.01	49.99	6.10	73.70	20.20	73.70	50.27	18:01:40	49.81	12:48:50	50.08	0:00	49.86	0:00
20-Feb	50.02	49.98	49.99	50.01	49.99	50.00	6.30	69.10	24.60	69.10	50.21	18:02:20	49.70	21:06:10	50.09	0:00	49.88	0:00
21-Feb	50.00	49.96	49.98	50.01	49.96	49.99	7.40	76.20	16.40	76.20	50.33	18:03:00	49.79	09:06:50	50.08	0:00	49.80	0:00
22-Feb	49.99	49.98	50.00	49.99	49.98	49.99	7.10	71.70	21.10	71.70	50.21	22:01:00	49.83	09:19:20	50.11	0:00	49.87	0:00
23-Feb	49.95	49.99	50.01	50.00	50.02	49.99	5.20	75.00	19.90	75.00	50.25	18:03:10	49.83	02:17:00	50.11	0:00	49.90	0:00
24-Feb	50.02	49.97	49.97	49.96	49.94	49.98	9.80	74.00	16.20	74.00	50.19	18:03:00	49.77	14:17:20	50.07	0:00	49.83	0:00
25-Feb	49.98	49.94	50.01	49.97	49.98	49.98	10.00	72.80	17.20	72.80	50.22	18:01:50	49.71	21:08:30	50.11	0:00	49.79	0:00
26-Feb	49.99	49.99	49.97	50.00	50.00	49.99	7.80	71.40	20.80	71.40	50.23	18:02:20	49.71	16:53:50	50.07	0:00	49.81	0:00
27-Feb	50.00	49.98	50.00	50.00	50.00	49.99	4.50	77.30	18.20	77.30	50.24	18:02:30	49.75	14:15:00	50.06	0:00	49.90	0:00
28-Feb	50.00	49.99	50.00	49.99	49.97	49.99	5.40	76.80	17.80	76.80	50.24	18:02:20	49.76	05:11:30	50.07	0:00	49.89	0:00
29-Feb	49.97	50.00	49.98	50.02	49.99	49.99	5.70	76.80	17.50	76.80	50.19	18:02:10	49.75	14:14:00	50.09	0:00	49.88	0:00
MAX	50.02	50.01	50.01	50.03	50.03	50.01	17.30	78.30	29.60	78.30	50.33		49.83		50.15		49.91	
MIN	49.95	49.92	49.94	49.96	49.94	49.96	2.70	67.70	10.00	67.70	50.18		49.68		50.06		49.79	
AVG	49.99	49.98	49.99	49.99	49.99	49.99	7.06	73.95	18.99	73.95	50.24		49.75		50.09		49.86	

SUMMARY:

Avg. Frequency :

50.0 Hz.

Instantaneous Frequency :

Maximum Frequency : 50.33 Hz at 18:03 Hrs.

Minimum Frequency : 49.68 Hz at 06:13.50 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.15 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.79 Hz On 00/01/00 at 00:00 Hrs

Frequency Distribution in % of Time			
Hz	<49.9	49.9-50.05	>50.05
% of Time	7.06	73.95	18.99

VOLTAGE ANALYSIS

MAXIMUM & MINIMUM VOLTAGES RECORDED AT IMPORTANT 400 kV S/S IN THE MONTH OF FEB'2020

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	429	405	422	401	422	391	422	397

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	417	395	422	397	424	396	420	396

DETAILS OF CONSTITUENT WISE LOAD SHEDDING IMPLEMENTED THROUGH UFRs IN THE EASTERN REGION

Expected Load Relief through UFRs by ER Constituent:

(All Fig. are in MW)

STATES/ UTILITIES	STAGE-I (49.2 Hz) (Inst.)	STAGE-II (49.0 Hz) (Inst.)	STAGE-III (48.8 Hz) (Inst.)	STAGE-IV 48.6 Hz (Inst.)	Total Load Relief by Control Area
BIHAR	98	99	99	101	397
JHARKHAND	61	62	61	62	246
DVC	134	135.5	136	137	542.5
ODISHA	181.5	183.5	184	186	735
WEST BENGAL (incl. CESC)	345.5	350	350	354	1399.5
TOTAL	820	830	830	840	3320

As decided in the National Power Committee (NPC) meeting held on 16.07.2013 and subsequently in the 89th OCC meeting of ERPC to implement the scheme w.e.f. 30.09.2013.

A.

**WATER LEVEL OF MAJOR HYDEL RESERVOIRS OF THE REGION IN
Feb-20**

(All figs.in mtrs.)

Name of the Reservoirs	FRL	MDDL	As on last day of the		As on first day of this month & date	
			(29-02-20)	(28-02-19)		
Hirakud	192	180	190.35	189.00	190.92	01.02.20
Balimela	462	439	456.19	456.62	457.99	01.02.20
Rengali	123	109	121.47	116.38	122.45	01.02.20
Upperkolab	858	844	854.58	853.08	855.69	01.02.20
Indravati	642	625	637.66	636.72	639.15	01.02.20
Subernrekha	590	580	585.55	585.86	586.04	01.02.20

B.

CPP/IPP IMPORT by Eastern Region Constituents during Feb-20

(All figs. are in MU)

System	Tata Power	Crescent Power	JSP, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	51.59
West Bengal	60.92	19.85	0	0	0	0	0	32.44	113.21
ODISHA	0	0	33.15	273.63	5.51	9.49	0	337.52	659.29
DVC	0	0	0	0	0	0	8.33	0	8.33
TOTAL	60.92	19.85	33.15	273.63	5.51	9.49	8.33	369.96	832.43

C.

Distribution of Schedule Supply among Key Customers by IPPs during Feb-20

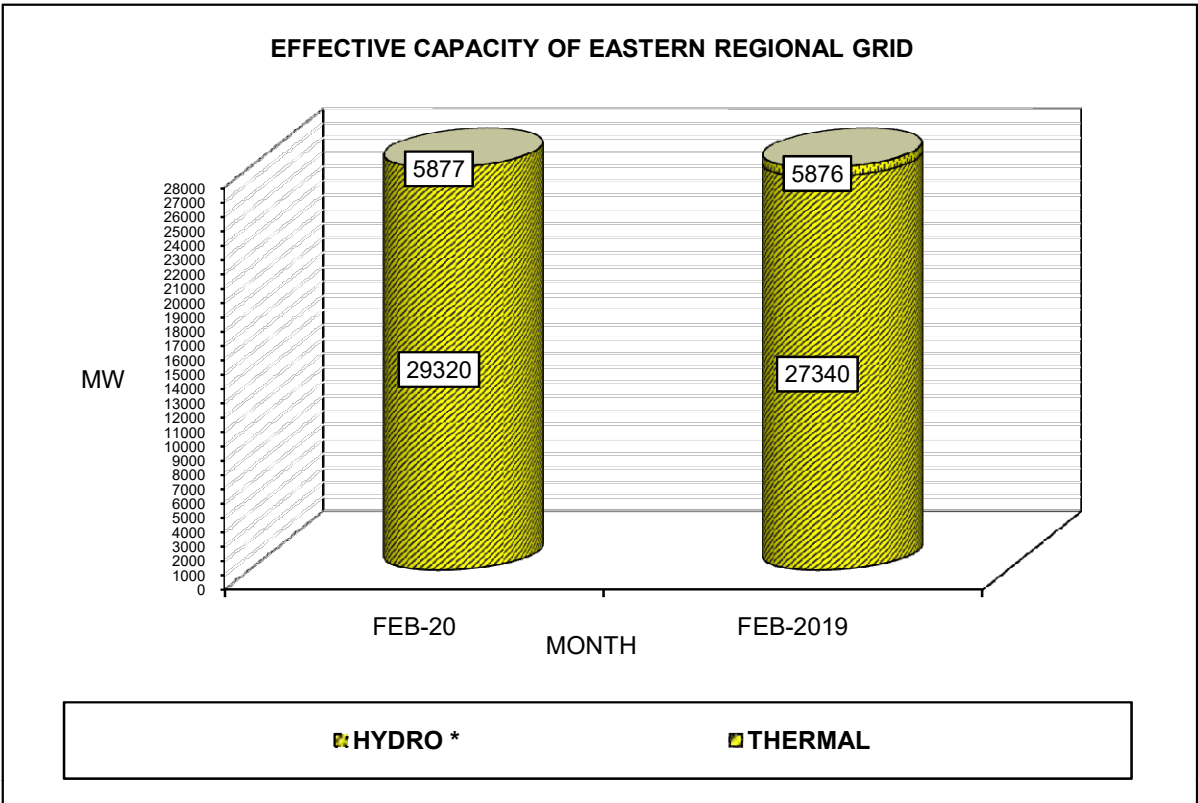
(All figs. are in MU)

IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	158.48	136.25	76.20	0.00	0	0	205.49	576.42
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	41.27	0	0.35	0.00	114.57	56.01	212.20
Total	158.48	177.52	76.20	0.35	0.00	114.57	261.50	788.62

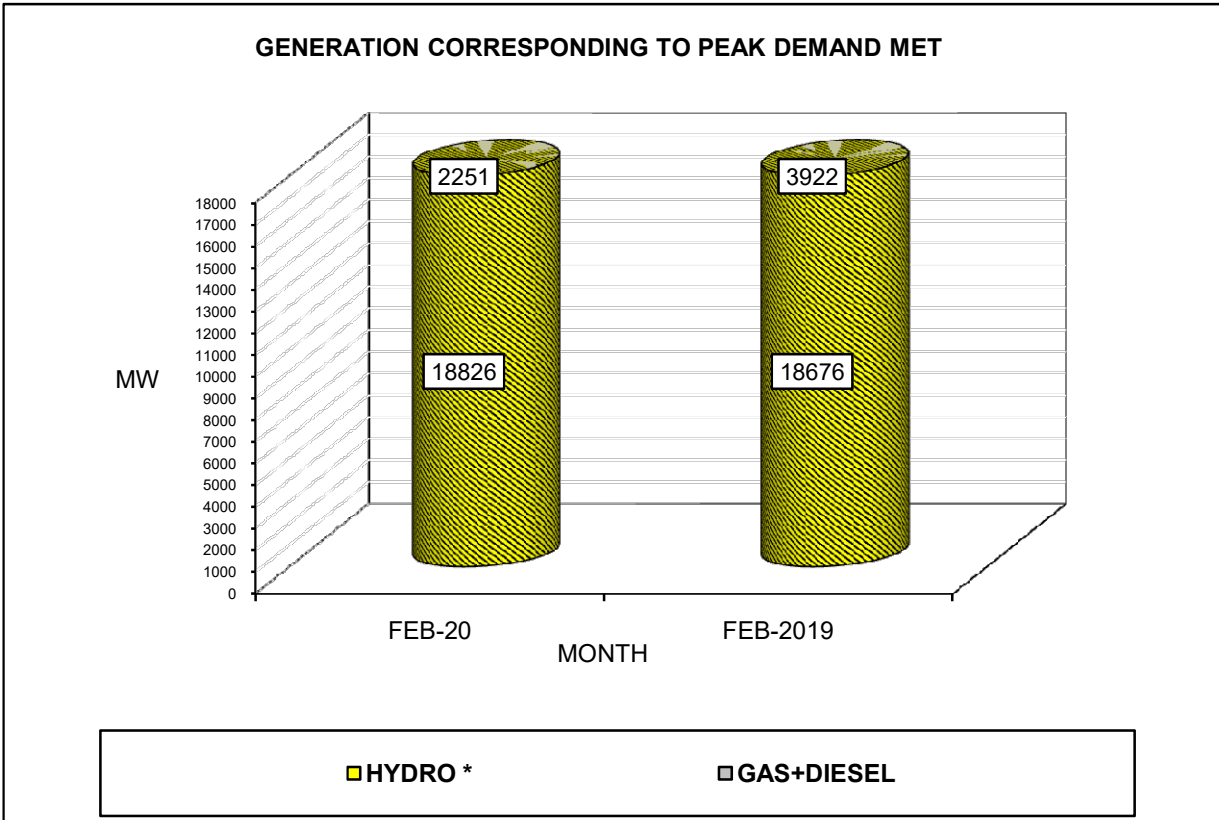
Task/ Works performed by ERPC during FEBRUARY, 2020		
Sl. No.	Period	Date of Report
1	REA JANUARY 2020	05.02.2020
2	DC- Teesta III – January 2020	05.02.2020
3	DC-MPL-January 2020	05.02.2020
4	DSM RRAS FRAS AGC 130120-190120	06.02.2020
5	DSM RRAS FRAS AGC 200120-260120	06.02.2020
6	VARH Account 130120-190120	06.02.2020
7	VARH Account 200120-260120	06.02.2020
8	Bilateral REA for January-2020	06.02.2020
9	RTA for January ‘2020	07.02.2020
10	AS-3 Format 16.02.2020-15.03.2020	13.02.2020
11	Monthly SCED Account – January 2020	17.02.2020
12	REA Bhutan December-19 – Rev-I	17.02.2020
13	REA Bhutan January -2020	17.02.2020
14	DSM, RRAS, AGC A/c 27.01.20-02.02.20 & Dev of Bhutan power of Jan-2020	19.02.2020
15	RRAS Account 30.12.19-02.02.20 (MPL)	19.02.2020
16	DSM, RRAS, AGC 03.02.20-09.02.20 & Revised RRAS 27.01.20-02.02.20	26.02.2020
17	Progress Report January-2020	28.02.2020
18	Darlipalli STPS allocation of Share w.e.f 01.03.2020	29.02.2020

List of Meetings / Workshops held during FEBRUARY, 2020

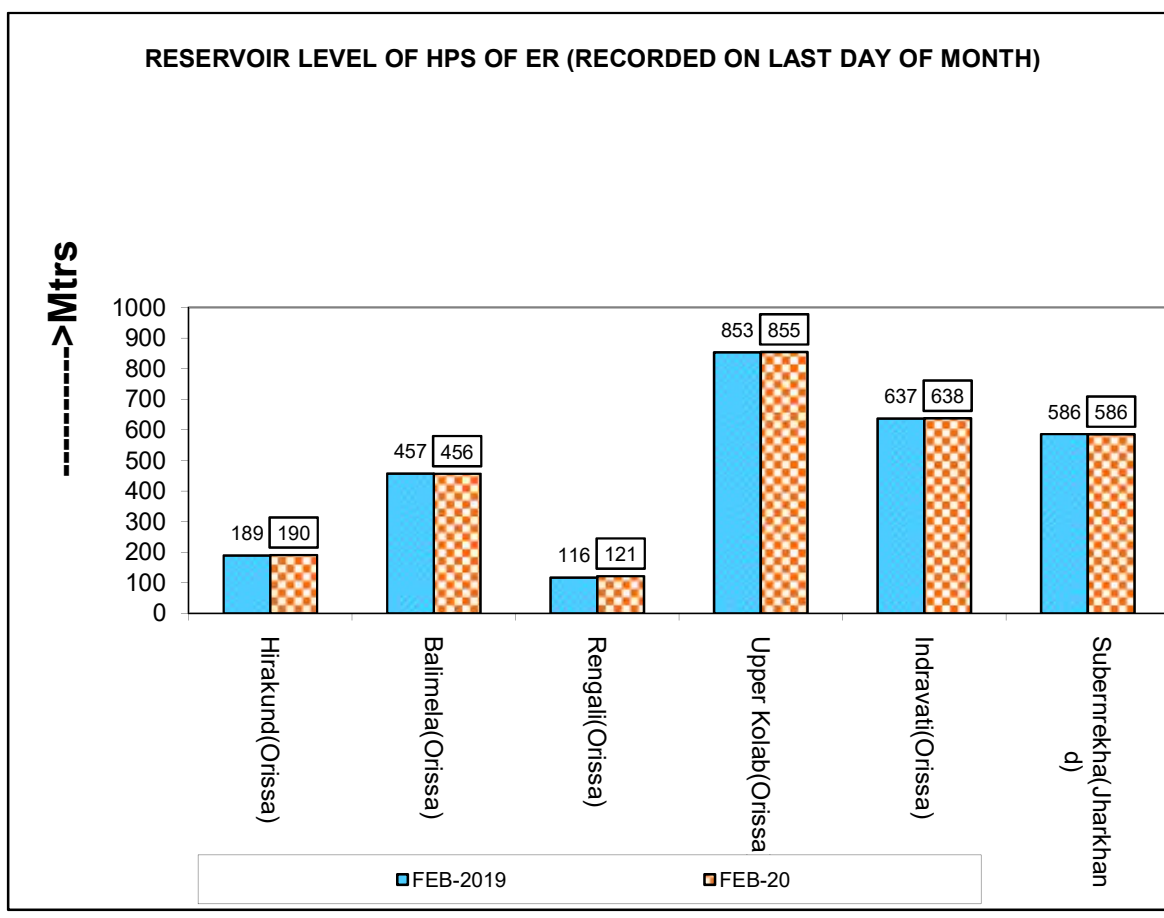
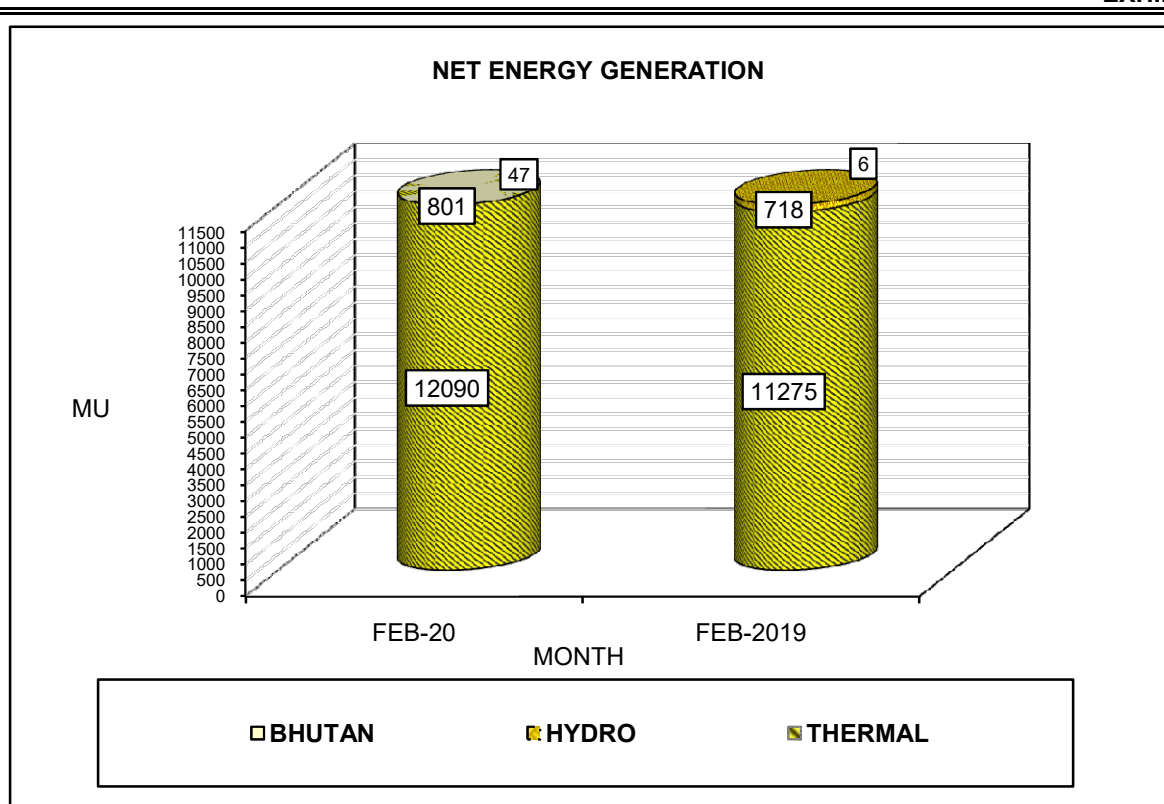
Sl. No.	Description	Date	Venue
1	Meeting on Jaldhaka Issues	03.02.2020	ERPC, Kolkata
2	Workshop on "Draft Electricity Grid Code(IEGC), 2020	13.02.2020	ERPC, Kolkata
3	OCC S/d Meeting	17.02.2020	ERLDC, Kolkata
4	88th PCC Meeting	18.02.2020	ERPC, Kolkata
5	Special-Meeting-on-220KV-Bolangir-Katapalli-Metering-issue	19.02.2020	ERPC, Kolkata
6	166th OCC Meeting	20.02.2020	Bhubaneswar
7	5th TeST Meeting	24.02.2020	ERPC, Kolkata
8	42nd CCMeeting	25.02.2020	ERPC, Kolkata
9	Special. Meeting on Shutdown of 220 kV Bus at 400/220/132 kV Rangpo S/stn.	26.02.2020	ERPC, Kolkata
10	Hindi Kavi Sammelan	27.02.2020	ERPC, Kolkata
11	Meeting with CPWD	28.02.2020	ERPC, Kolkata
12	Blood Donation Camp	28.02.2020	ERPC, Kolkata



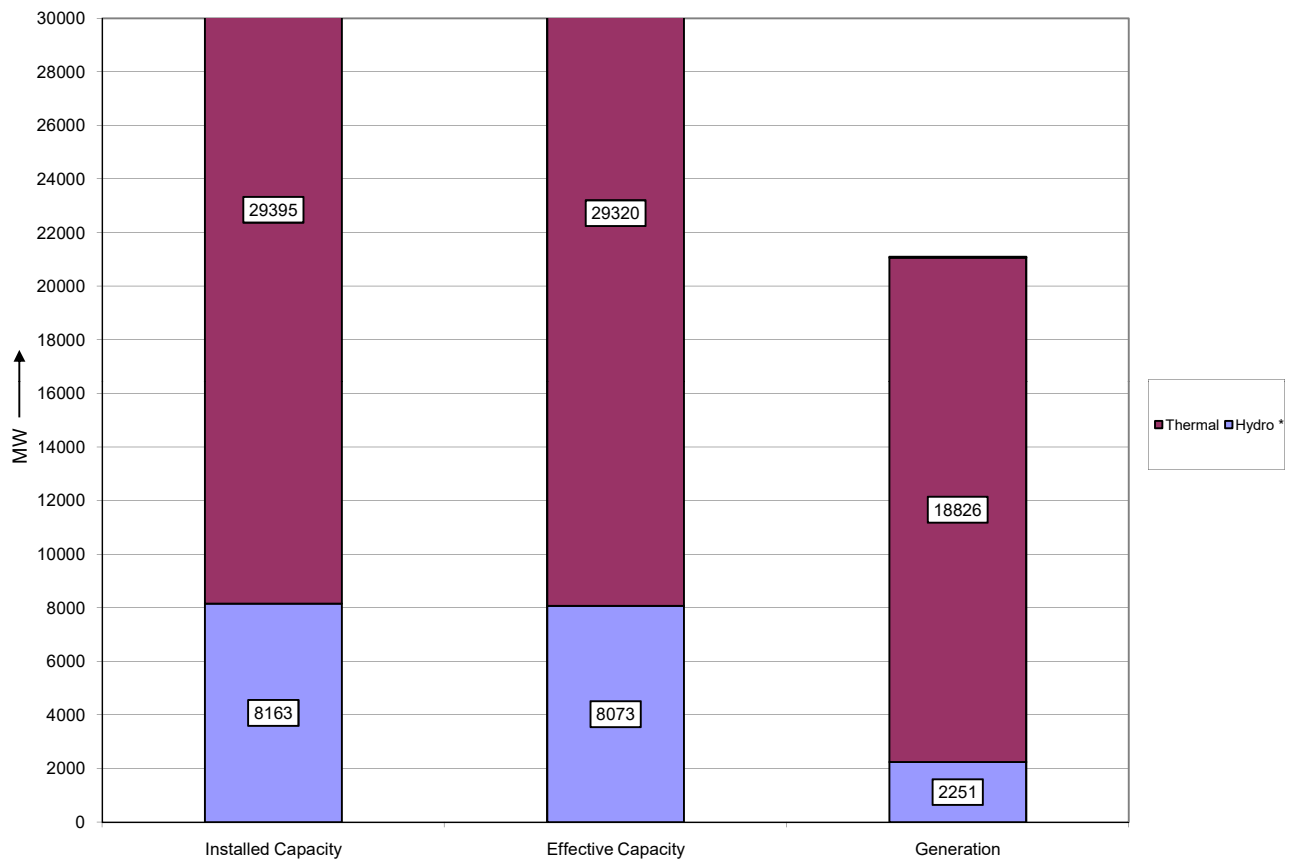
*Excludes 1350 MW contribution from HEPs of Bhutan



*Includes contribution from HEP of Bhutan

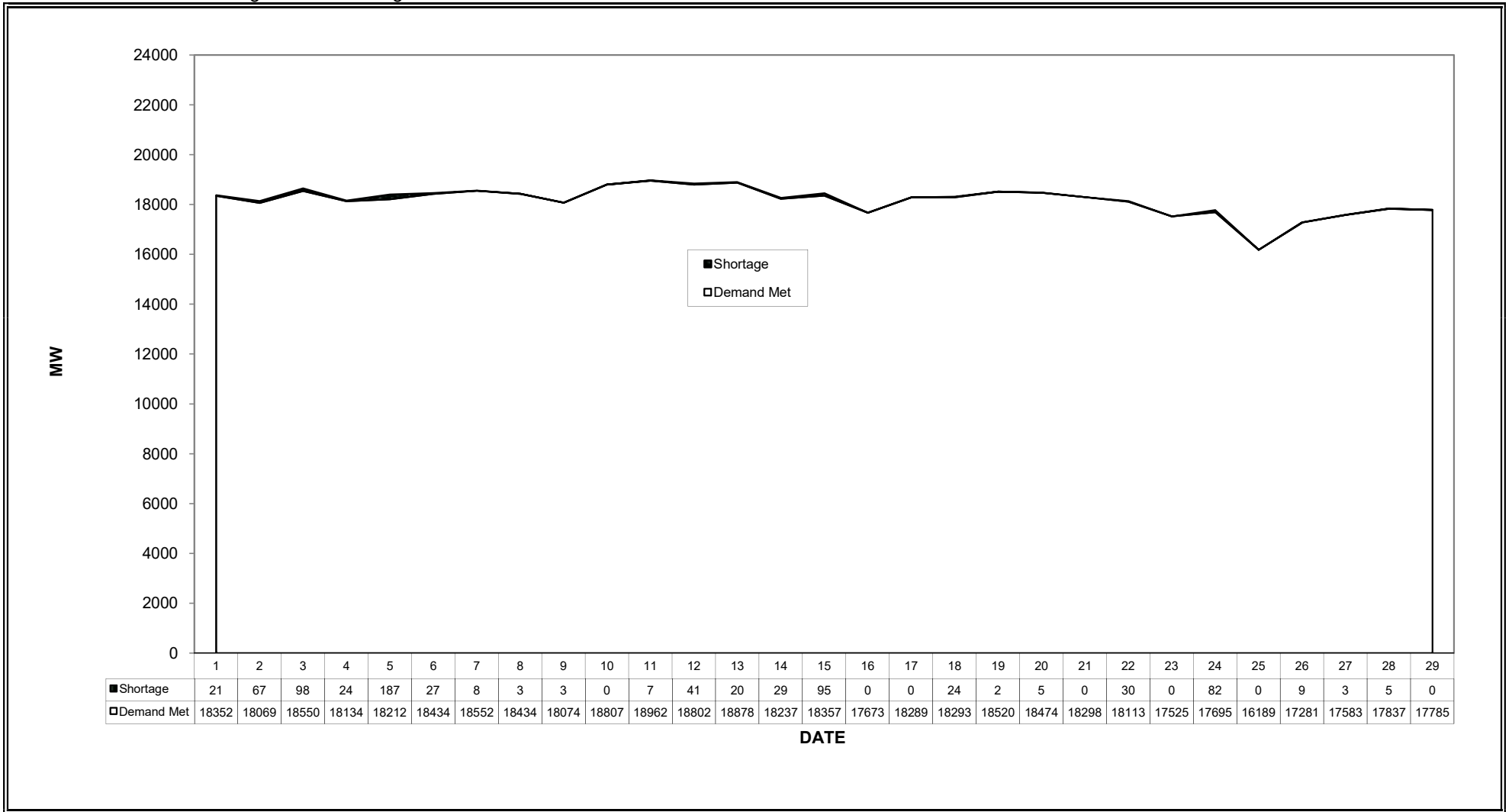


Capacity / Actual Generation Pattern of ER on Peak Day (11-2-2020) at 19.00 hrs.

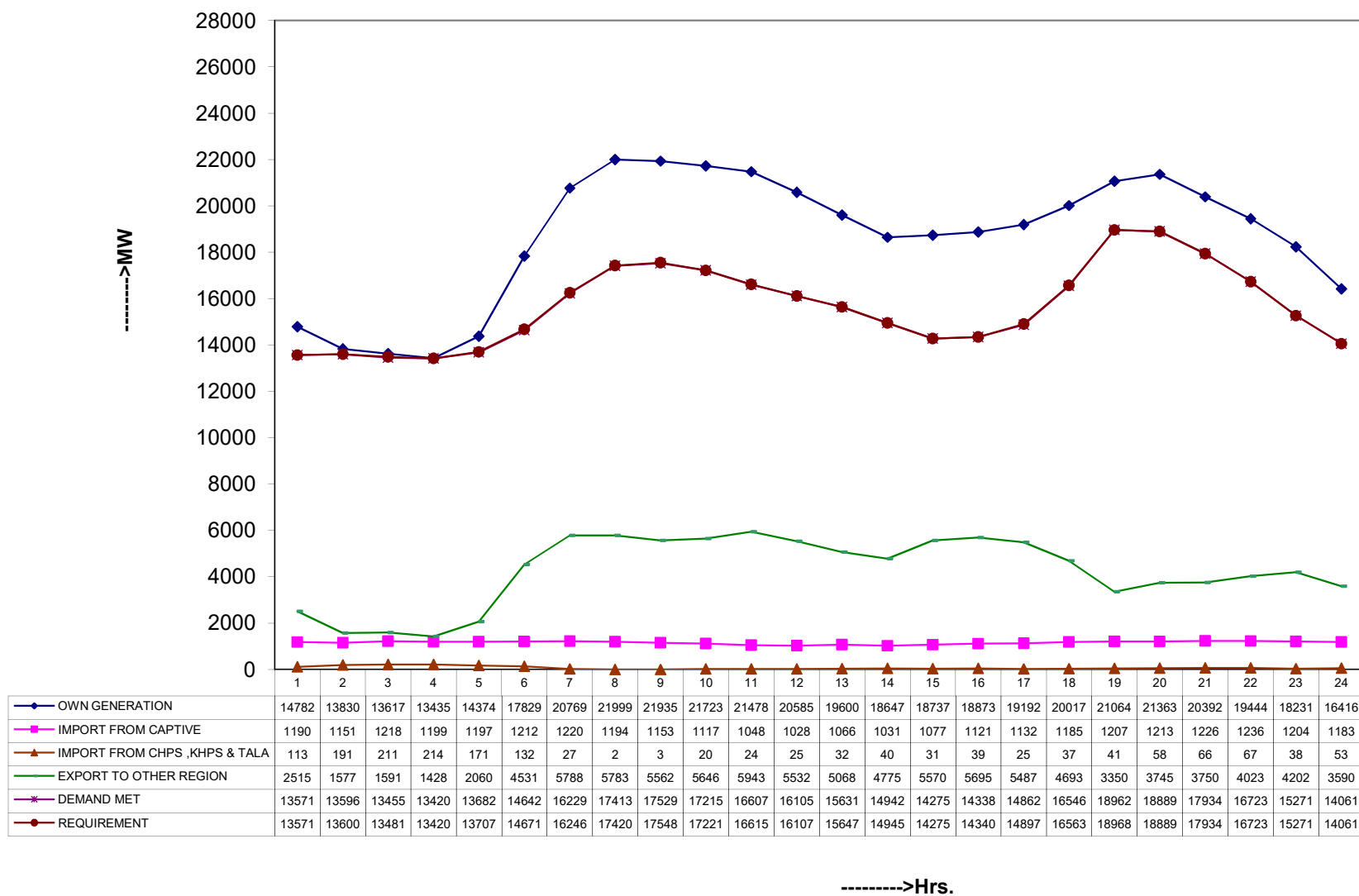


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

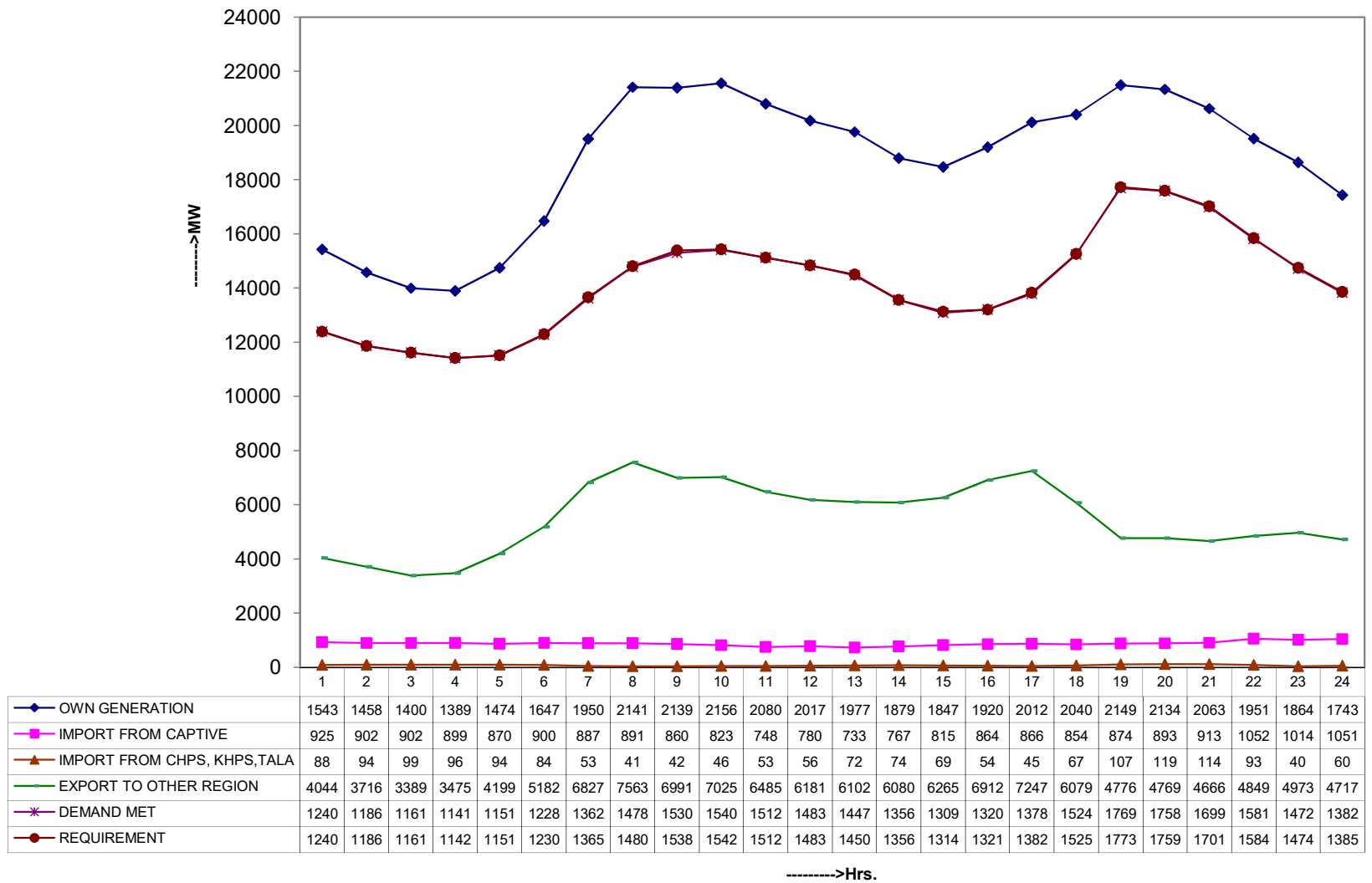
Peak Demand Met / Shortage of Eastern Region For The Month Of FEB'2020



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of FEB'2020 (11-2-2020)

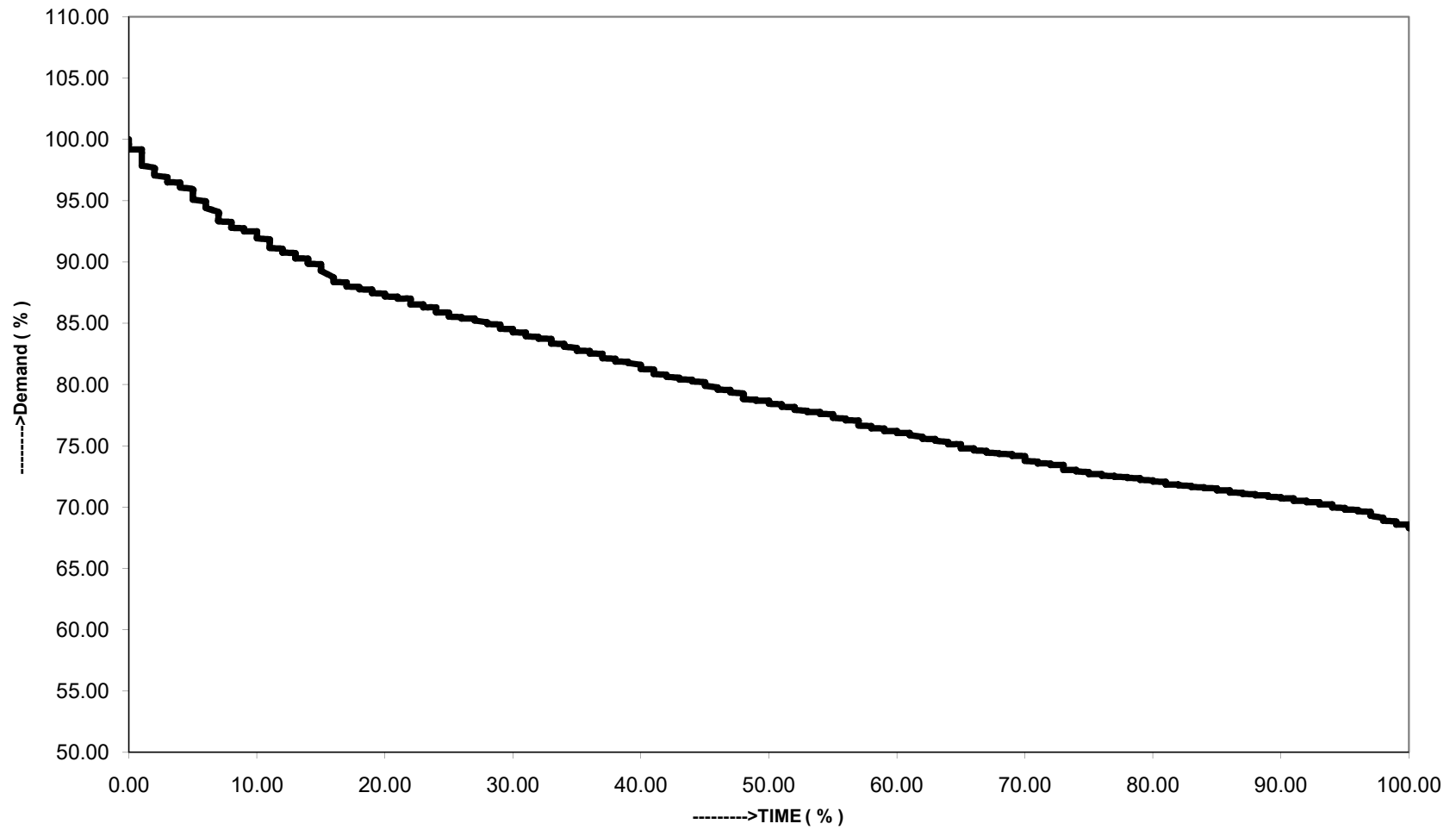


Hourly Load Generation Data of ER On Regional Lean Day During The Month of FEB'2020 (24-2-2020)



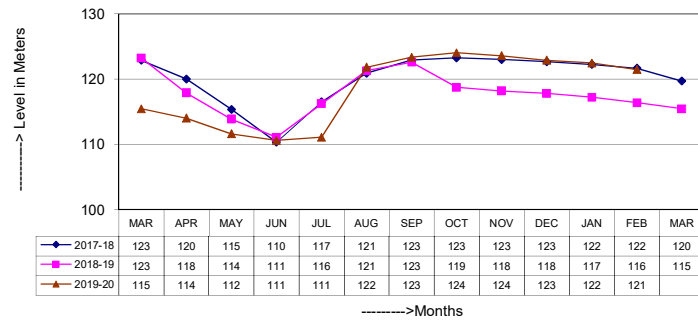
Monthly Load Duration Curve of Eastern Region for FEB-20

Maximum Demand met : 18962 MW
Minimum Demand met: 11419 MW

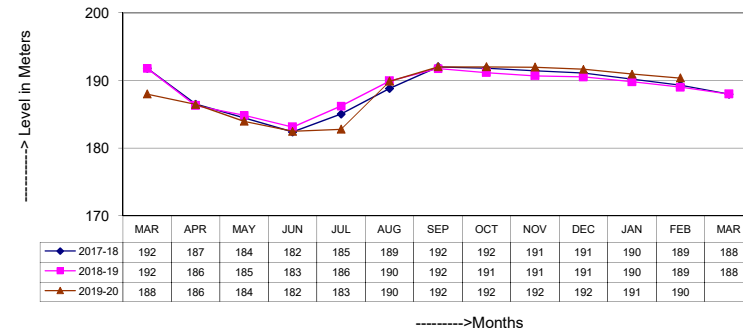


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

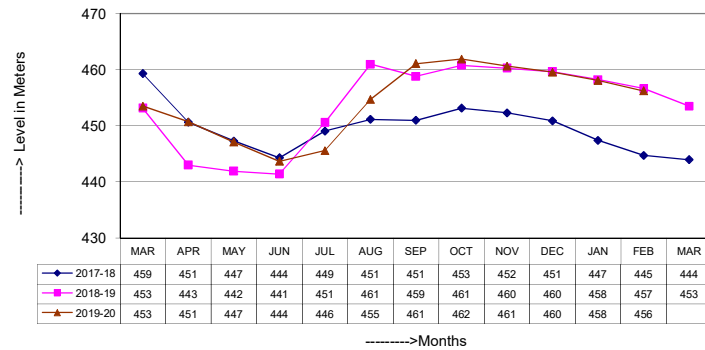
RENGALI RESERVOIR LEVEL



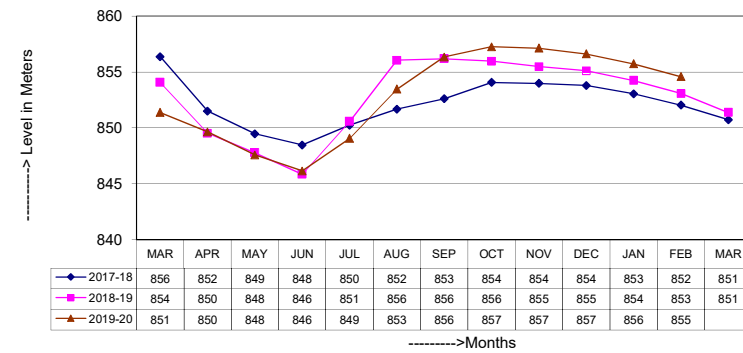
HIRAKUD RESERVOIR LEVEL



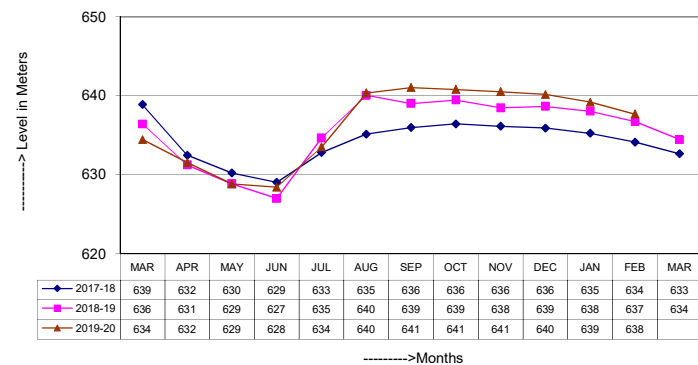
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

