



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
अप्रैल - 2020
APRIL - 2020



14, गोल्फ क्लब रोड, टोलीगंज
14, Golf Club Road, Tollygunge
कोलकाता -700033
Kolkata: 700 033

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Highlights of Eastern Regional Power System for April-2020

- The **Maximum Net Demand** met of Eastern Region (ER) during the month of **Apr, 2020** was **18093 MW** which is 19.15% less than the **Apr, 2019** (22378 MW). Individual **Peak Demand (MW)** all the constituents **decreased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Apr,2020** was **323.3 MU** excluding export, which is 24.60% less than the corresponding period of last year (428.71 MU).
- The **Average regional PLF of thermal units during the month** is **51.01%**, which is 19.74% less than the corresponding period of the last year (**70.75%**).

GRIDCO (TTPS) registered the highest **PLF** of 92.98%, followed by WBPDC (Bakreswar TPP) 84.81% and NTPC (NSTPS) 83.76% during the month of **Apr, 2020**.

- **Maximum Net generation** was **20618 MW** against total **Effective Capacity of 39801.26 MW** (including import from Bhutan). At the time of Regional peak (**18093 MW** on 14.04.2020 at 22.00 hrs.) the generation was 20558 MW and import from CPP was 1042 MW, Net export was 3507 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 75.18% of time during the month. **Average frequency** for the month was **50.00 Hz**. The instantaneous maximum and the minimum frequency touched were 50.30 Hz and 49.61 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.19 Hz** and **49.75 Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded **428 KV** at Jeerat 400 KV S/s whereas the minimum voltage recorded 385 KV at Muzaffarpur 400 KV S/s of Power grid.
- The **Maximum Export** from ER to outside region was **8747 MW** (including Nepal and Bangladesh) on **26th Apr, 2020** at 06:00 hrs. Total net energy export during the month was 2878.95 MU (Inc. Transmission loss) MU which corresponds to 24.06 % of ex-bus total generation 11964.84 MU of Eastern Region.
- The import from CPPs was 612.14 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	4097	568	1341.57
WR	1791	2763	-519.40
SR	3934	0	2108.42
NER	94	1252	-440.90
BANGLADESH	961		345.15
NEPAL (via-CTU)	233		44.11
Total			
NEPAL by Bihar(NBPDCL)			7.57

SALIENT FEATURES

(YEAR TO YEAR COMPARISION)

		Apr-20	APR-2019	CHANGE	% CHANGE
1)	Effective Capacity (end of the Month)				
	THERMAL (MW)	30240	27340	2900	10.61
	HYDRO (MW)	5877	\$ 5876	1	0
	DIESEL (MW)	0	0	0	0
	RES (MW)	1489	886	0	0
	TOTAL (MW)	37605	34102	3503	10.27
2)	Peak Demand (MW)	18302	22415	-4113	-18.35
3)	Peak Demand Met (MW)	18093	22378	-4285	-19.15
4)	Shortage (MW)	209	37	172	464.41
5)	% Shortage	1.14	0.17	0.97	571.20
6)	Average Energy Requirement Per Day (MU)	324.2	429.6	-105.36	-24.53
7)	Average Energy Availability Per Day (MU)	323.3	428.7	-105.44	-24.60
8)	Average Shortage Per Day (MU)	0.93	0.85	0.08	9.11
9)	% Shortage	0.29	0.20	0.09	43.04
10)	Net Generation for the Month				
	Thermal (MU)	10219.07	12884.07	-2665.00	-20.68
	Hydro (MU)	1587.58	* 1653.78	-66.20	-4.00
	RES (MU)	158.19	72.87	0.00	-
	Total (MU)	11964.84	14610.72	-2645.88	-18.11
11)	Generation at the Time of Max. Regional Demand Met (14-04-20 at 22.00 Hrs.)				
	Thermal (MW)	16514	20123	-3609	-17.94
	Hydro (MW)	4014	* 4125	-111	-2.68
	RES(MW)	30	18	12	64.35
	Total (MW)	20558	24266	-3708	-15.28
12)	Inter-Regional Energy Transfer				
	Export (MU)	3839.25	4199.56	-360.31	-8.58
	Import (MU)	960.31	1739.71	-779.40	-44.80
	Net Exp.(+)/Net Imp.(-) (MU)	2878.95	2459.85	419.10	17.04
13)	Import From Captive(MU)	612.14	710.39	-98.26	-13.83
14)	Peak Inter Regional Power Transfer				
	Max Export (MW) on 26-04-20 at 06.00Hrs	8747	7894	853	10.80
	Max Import (MW) on 17-04-20 at 19.00Hrs	3204	3758	-554	-14.74
	Max Net Export(+)/Import (-) (MW)	7697	5978	1719	28.75
15)	Maximum voltage recorded	428	JEERAT	400 kv s/s	
16)	Minimum voltage recorded	385	MUZAFFARPUR	400 kv s/s	

\$ Excludes 2196 MW contribution from HEPs of Bhutan

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

1.Regional and individual constituents Demand Met in MW as well as requirement Met in MU is less than the same month of last year due to locked down on account of COVID-19.

POWER SUPPLY POSITION FOR THE MONTH OF APR'2020

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	78.60	78.63	0.02	0.03
JUVNL	22.78	23.48	0.70	3.00
DVC	28.56	28.56	0.00	0.01
ODISHA	69.36	69.36	0.01	0.01
WBSEDCL	100.14	100.54	0.40	0.40
CESC	22.19	22.19	0.00	0.01
SIKKIM	1.43	1.43	0.00	0.01
REGION	323.3	324.20	0.93	0.29

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	4725	4725	0	0.01
JUVNL	1291	1292	1	0.06
DVC	1417	1417	0	0.03
ODISHA	3636	3636	0	0.01
WBSEDCL	5937	5942	5	0.09
CESC	1325	1325	0	0.0
SIKKIM	94	94	0	0.00
REGION	18093	18302	209	1.14

➤ **DIVERSITY FACTOR** **1.02**

➤ **Regional Peak Demand Met on 14-4-2020 at 22.00 hrs. at 49.98 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA APRIL-2020

SYSTEM	Gross Generation(MU)				Auxiliary power Consumption(MU)				Net Generation (MU)				Import from Captive (MU)	Exchange Net Import(+) Net Export(-)	Energy Consumption(MU)	Per Day Cons.(MU)	Net Peak Demand	Gross Peak Demand
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total						
BSPHCL	0.00	6.75	27.60	34.34	0.00	5.28	0.00	5.28	0.00	1.47	27.60	29.06	0.00	2329.00	2358.07	78.6	4725	4725
JUVNL	0.05	181.78	0.00	181.83	0.00	23.28	0.00	23.28	0.05	158.50	0.00	158.55	38.33	486.45	683.32	22.8	1291	1311
DVC	18.03	1626.61	0.00	1644.64	0.11	125.65	0.00	125.76	17.92	1500.96	0.00	1518.88	18.99	-681.09	856.78	28.6	1417	1628
ODISHA(OPGC+OHPC+TTPS)	596.19	1066.45	41.58	1704.21	6.21	96.40	0.00	102.61	589.98	970.04	41.58	1601.60	481.32	-2.25	2080.67	69.36	3636	3787
WBPDC+WBSEDCL+DPL	88.90	1739.46	86.77	1915.13	0.00	149.38	0.00	149.38	88.90	1590.07	86.77	1765.75	73.50	1165.01	3004.26	100.1	5937	6221
CESC	0.00	414.53	0.00	414.53	0.00	33.32	0.00	33.32	0.00	381.21	0.00	381.21	0.00	284.40	665.61	22.2	1325	1386
HEL	0.00	311.80	0.00	311.80	0.00	24.58	0.00	24.58	0.00	287.22	0.00	287.22	0.00	-287.22				
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	41.79	42.79	1.4	94	94
NTPC	0.00	4337.85	1.24	4339.09	0.00	337.19	0.00	337.19	0.00	4000.66	1.24	4001.90	0.00	-4001.90				
MPL	0.00	523.63	0.00	523.63	0.00	31.96	0.00	31.96	0.00	491.67	0.00	491.67	0.00	-491.67				
APNRL	0.00	178.34	0.00	178.34	0.00	13.92	0.00	13.92	0.00	164.42	0.00	164.42	0.00	-164.42				
GMR	0.00	221.04	0.00	221.04	0.00	14.65	0.00	14.65	0.00	206.39	0.00	206.39	0.00	-206.39				
JITPL	0.00	498.61	0.00	498.61	0.00	32.15	0.00	32.15	0.00	466.46	0.00	466.46	0.00	-466.46				
NHPC (Inc TLDP= 59.906 MU)	265.11	0.00	0.00	265.11	0.00	0.00	0.00	0.00	265.11	0.00	0.00	265.11	0.00	-265.11	0.00			
CHUZACHEN HPS	18.52	0.00	0.00	18.52	0.00	0.00	0.00	0.00	18.52	0.00	0.00	18.52	0.00	-18.52	0.00			
DIKCHU HPS	20.60	0.00	0.00	20.60	0.00	0.00	0.00	0.00	20.60	0.00	0.00	20.60	0.00	-20.60	0.00			
JORHANG HPS	12.39	0.00	0.00	12.39	0.00	0.00	0.00	0.00	12.39	0.00	0.00	12.39	0.00	-12.39	0.00			
TASHIDING HPS	11.21	0.00	0.00	11.21	0.00	0.00	0.00	0.00	11.21	0.00	0.00	11.21	0.00	-11.21	0.00			
TEESTA-III HPS	297.30	0.00	0.00	297.30	0.00	0.00	0.00	0.00	297.30	0.00	0.00	297.30	0.00	-297.30	0.00			
CHPC(Birpara Receipt)	79.72	0.00	0.00	79.72	0.00	0.00	0.00	0.00	79.72	0.00	0.00	79.72	0.00	-79.72	0.00			
KHPS	-0.20	0.00	0.00	-0.20	0.00	0.00	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.20	0.00			
THPS	38.65	0.00	0.00	38.65	0.00	0.00	0.00	0.00	38.65	0.00	0.00	38.65	0.00	-38.65	0.00			
DAGACHU HPS	12.43	0.00	0.00	12.43	0.00	0.00	0.00	0.00	12.43	0.00	0.00	12.43	0.00	-12.43	0.00			
Mangdechhu HEP	135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	135.00	0.00	0.00	135.00	0.00	-135.00	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar														6.41	6.41			
Total	1593.91	11106.84	158.19	12858.93	6.32	887.76	0.00	894.09	1587.59	10219.07	158.19	11964.85	612.14	-2879.06	9697.92	323.3	18093	19250

3A 11964.85

9697.92

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

A) Net Average Energy

Month	2019-20					2020-21				
	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	428.71	429.56	0.85	0.20	50.00	323.3	324.2	0.93	0.29	50.00
MAY	451.15	452.79	1.64	0.36	49.99	-	-	-	-	-
JUNE	461.72	462.87	1.15	0.25	49.99	-	-	-	-	-
JULY	450.73	451.52	0.79	0.17	50.00	-	-	-	-	-
AUGUST	460.87	462.13	1.26	0.27	49.99	-	-	-	-	-
SEPTEMBER	445.43	446.55	1.12	0.25	50.00	-	-	-	-	-
OCTOBER	391.21	391.33	0.12	0.03	50.00	-	-	-	-	-
NOVEMBER	344.02	344.15	0.12	0.04	50.00	-	-	-	-	-
DECEMBER	338.90	339.25	0.35	0.10	49.99	-	-	-	-	-
JANUARY	349.04	349.39	0.34	0.10	49.99	-	-	-	-	-
FEBRUARY	358.72	359.75	1.03	0.29	49.99	-	-	-	-	-
MARCH	338.29	338.62	0.33	0.10	50.00	-	-	-	-	-

B) Peak in MW:

Month	2019-20					2020-21				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MW)	(MW)	(MW)	(%)	(HZ)	(MW)	(MW)	(MW)	(%)	(HZ)
APRIL	22378	22415	37	0.17	50.00	18093	18302	209	1.14	50.00
MAY	22781	22830	49	0.22	49.99	-	-	-	-	-
JUNE	22808	22867	59	0.26	49.99	-	-	-	-	-
JULY	23154	23246	92	0.40	50.00	-	-	-	-	-
AUGUST	23398	23421	22	0.10	49.99	-	-	-	-	-
SEPTEMBER	23126	23276	150	0.64	50.00	-	-	-	-	-
OCTOBER	21706	21726	20	0.09	50.00	-	-	-	-	-
NOVEMBER	19212	19291	79	0.41	50.00	-	-	-	-	-
DECEMBER	18068	18068	0	0.00	49.99	-	-	-	-	-
JANUARY	18714	18758	44	0.24	49.99	-	-	-	-	-
FEBRUARY	18962	18968	7	0.03	49.99	-	-	-	-	-
MARCH	18670	18767	98	0.52	50.00	-	-	-	-	-

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

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	Net Energy Generation	Cummulative Gross Energy Generation upto Current Month	Cummulative Net Energy Generation upto Current Month
			(in MW)	(in MW)	in MU	in MU	(2020-21) in MU	(2020-21) in MU
BIHAR	Thermal	Barauni (U# 6,7)	220.00	210.00	0.00	0.00	0.00	0.00
		Barauni (U# 8)	250.00	250.00	6.75	4.54	6.75	4.54
	RES	Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	0.00
		Thermal Total	690.00	680.00	6.75	1.47	6.75	1.47
			341.25	341.25	27.60	27.60	27.60	27.60
		Total BIHAR	1031.25	1021.25	34.34	29.06	34.34	29.06
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	181.78	158.50	181.78	158.50
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	0.05	0.05	0.05	0.05
	RES		46.75	46.75	0.00	0.00	0.00	0.00
		Total	176.75	176.75	0.05	0.05	0.05	0.05
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	143.18	125.45	143.18	125.45
		Durgapur(4)	210.00	210.00	0.00	0.00	0.00	0.00
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	148.28	130.05	148.28	130.05
		Mezia(U # 7,8)	1000.00	1000.00	269.52	252.65	269.52	252.65
		Bokaro-A(1)	500.00	500.00	179.81	168.31	179.81	168.31
		Durgapur STPS (U#1,2)	1000.00	1000.00	269.15	249.16	269.15	249.16
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	281.95	263.37	281.95	263.37
		Koderma STPS (U#1,2)	1000.00	1000.00	334.72	313.11	334.72	313.11
		Total Thermal	6960.00	6960.00	1626.61	1500.96	1626.61	1500.96
	Hydro	Maithon (U#1,2,3)	63.20	63.20	8.43	8.39	8.43	8.39
		Panchet (U#1,2)	80.00	80.00	9.60	9.53	9.60	9.53
		Tilaya (U#1,2)	4.00	4.00	0.00	0.0	0.00	0.0
		Hydro Total	147.20	147.20	18.03	17.92	18.03	17.92
		Total DVC	7107.20	7107.20	1644.64	1518.88	1644.64	1518.88
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	26.71	21.77	26.71	21.77
		Santalidih TPS(U#5&6)	500.00	500.00	298.87	274.19	298.87	274.19
		Kolaghat TPS	1260.00	1260.00	116.32	99.72	116.32	99.72
		Bakreswar TPP	1050.00	1050.00	641.19	586.58	641.19	586.58
		Sagardighi TPP	1600.00	1600.00	488.37	456.04	488.37	456.04
		DPPS (110+300+250 *)	660.00	660.00	168.01	151.77	168.01	151.77
		Thermal Total	5450.00	5405.00	1739.46	1590.07	1739.46	1590.07
		WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	10.95	10.95
Ramam (4x12.73)	51.00			51.00	8.54	8.54	8.54	8.54
Teesta C.F. (3x3x7.5)	67.50			67.50	0.00	0.00	0.00	0.00
Purulia PSS (4x225)	900.00			900.00	69.41	69.41	69.41	69.41
Total Hydro	1053.50			1053.50	88.90	88.90	88.90	88.90
RES	527.29			527.29	86.77	86.77	86.77	86.77
➤ 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 APRIL-2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	Net Energy Generation	Cummulative Gross Energy Generation upto Current Month	Cummulative Net Energy Generation upto Current Month		
			(in MW)	(in MW)	in MU	in MU	(2019-20) 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	0.00	0.00		
		Budge-Budge (3x250)	750.00	750.00	414.53	381.21	414.53	381.21		
		Total CESC	1125.00	1125.00	414.53	381.21	414.53	381.21		
HEL	Thermal	HEL	600.00	600.00	311.80	287.22	311.80	287.22		
		Total West Bengal	8755.79	8710.79	2641.46	2434.18	2641.46	2434.18		
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	165.33	147.02	165.33	147.02		
		Talcher-II	220.00	220.00	142.63	126.83	142.63	126.83		
		Total Thermal	470.00	460.00	307.96	273.85	307.96	273.85		
OPGC	Thermal	IB TPS	420.00	420.00	214.09	188.22	214.09	188.22		
		IB TPS U#3(660 MW)	660.00	660.00	276.09	257.62	276.09	257.62		
		IB TPS U#4(660 MW)	660.00	660.00	268.31	250.36	268.31	250.36		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	44.96	44.74	44.96	44.74		
		Hirakud-II (Chiplima)	72.00	72.00	18.72	17.76	18.72	17.76		
		Balimela (6x60+2x75)	510.00	510.00	106.49	106.39	106.49	106.39		
		Rengali (5x50)	250.00	250.00	107.60	107.49	107.60	107.49		
		Upper Kolab (4x80)	320.00	320.00	87.12	86.76	87.12	86.76		
		Indravati HPS (4x150)	600.00	600.00	203.76	199.29	203.76	199.29		
		Mckd.(Odisha drawal)	57.38	57.38	27.55	27.55	27.55	27.55		
		Total Hydro	2084.88	2084.88	596.19	589.98	596.19	589.98		
		RES	511.21	511.21	41.58	41.58	41.58	41.58		
		Total Odisha	4806.09	4796.09	1704.21	1601.60	1704.21	1601.60		
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00	1.00	1.00	1.00		
NTPC		MTPS Stg-II	390.00	390.00	131.2287136	116.61	131.23	116.61		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	734.32	673.38	734.32	673.38		
		FSTPP (U# 6)	500.00	500.00	257.70	238.19	257.70	238.19		
		KhSTPP (4x210+3x500)	2340.00	2340.00	1252.36	1155.32	1252.36	1155.32		
		TSTPP (2x500)	1000.00	1000.00	601.84	555.40	601.84	555.40		
		BARH STPS II (2X660)	1320.00	1320.00	291.32	267.56	291.32	267.56		
		BRBCL # 1,2,3(3X250 MW)	750	750	281.39	256.35	281.39	256.35		
		NSTPS	660.00	660.00	398.03	376.47	398.03	376.47		
		DSTPP	800.00	800.00	389.66	361.38	389.66	361.38		
		Total NTPC	9360.00	9360.00	4337.85	4000.66	4337.85	4000.66		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	16.94	16.94	16.94	16.94
				Teesta (3x170)	510.00	510.00	188.26	188.26	188.26	188.26
				TLDP - 4x33+4x40)	292.00	292.00	59.91	59.91	59.91	59.91
Total NHPC	862.00			862.00	265.11	265.11	265.11	265.11		
MPL (U#1&2)	1050.00			1050.00	523.63	491.67	523.63	491.67		
APNRL (U#1,2)	540.00			540.00	178.34	164.42	178.34	164.42		
GMR (2x350)	700.00			700.00	221.04	206.39	221.04	206.39		
JITPL (2X600)	1200.00			1200.00	498.61	466.46	498.61	466.46		
CHUZACHEN** (2x55)	110.00			110.00	18.52	18.52	18.52	18.52		
JORETHANG (2x48)	96.00			96.00	12.39	12.39	12.39	12.39		
TEESTA URJA St III (6x200)	1200.00			1200.00	297.30	297.30	297.30	297.30		
Tashilding (2x48.5)	97.00			97.00	11.21	11.21	11.21	11.21		
1328.93		DICKCHU (2x48)	96.00	96.00	20.60	20.60	20.60	20.60		
		TALCHER SOLAR	10.00	10.00	1.24	1.24	1.24	1.24		
		Total Thermal (E.R)	30305.00	30240.00	11106.84	10219.07	11106.84	10219.07		
		Total Hydro (E.R)	5876.58	5876.58	1328.31	1321.99	1328.31	1321.99		
		Total RES	1488.68	1488.68	158.19	158.19	158.19	158.19		
		TOTAL (E.R)	37670.26	37605.26	12593.34	11699.24	12593.34	11699.24		
		EASTERN REGIONAL								
		BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	79.72	79.72	79.72	79.72
				Kurichu (4x15)	60.00	60.00	-0.20	-0.20	-0.20	-0.20
				TALA (6x170)	1020.00	1020.00	38.65	38.65	38.65	38.65
				DAGACHU (2x63)	126.00	126.00	12.43	12.43	12.43	12.43
				MANGDECHU(4x180)	720.00	720.00	135.00	135.00	135.00	135.00
Grand Total	39956.26			39801.26	12858.93	11964.84	12858.93	11964.84		

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

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	PLF of Current Month (%)	Cummulative Gross Energy Generation upto Current Month (2020-21) in MU	Cummulative PLF upto Current Month (%)
BIHAR	Thermal	Barauni (U# 6,7)	220.00	210.00	0.00	0.00	0.00	0.00
		Barauni (U# 8)	250.00	250.00	6.75	3.75	6.75	3.75
		Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	0.00
		Thermal Total	690.00	680.00	6.75	1.38	6.75	1.38
	RES		341.25	341.25	27.60		27.60	
		Total BIHAR	1031.25	1021.25	34.34		34.34	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	181.78	60.11	181.78	60.11
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	0.05		0.05	
	RES		46.75	46.75	0.00		0.00	
		Total	176.75	176.75	0.05		0.05	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	143.18	39.77	143.18	39.77
		Durgapur(4)	210.00	210.00	0.00	0.00	0.00	0.00
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	148.28	15.37	148.28	15.37
		Mezia(U # 7,8)	1000.00	1000.00	269.52	37.43	269.52	37.43
		Bokaro-A(1)	500.00	500.00	179.81	49.95	179.81	49.95
		Durgapur STPS (U#1,2)	1000.00	1000.00	269.15	37.38	269.15	37.38
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	281.95	32.63	281.95	32.63
		Koderma STPS (U#1,2)	1000.00	1000.00	334.72	46.49	334.72	46.49
		Total Thermal	6960.00	6960.00	1626.61	32.46	1626.61	32.46
	Hydro	Maithon (U#1,2,3)	63.20	63.20	8.43		8.43	
		Panchet (U#1,2)	80.00	80.00	9.60		9.60	
		Tilaya (U#1,2)	4.00	4.00	0.00		0.00	
		Hydro Total	147.20	147.20	18.03		18.03	
		Total DVC	7107.20	7107.20	1644.64		1644.64	
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	26.71	11.07	26.71	11.07
		Santalidih TPS(U#5&6)	500.00	500.00	298.87	83.02	298.87	83.02
		Kolaghat TPS	1260.00	1260.00	116.32	12.82	116.32	12.82
		Bakreswar TPP	1050.00	1050.00	641.19	84.81	641.19	84.81
		Sagardighi TPP	1600.00	1600.00	488.37	42.39	488.37	42.39
		DPPS (110+300+250 *)	660.00	660.00	168.01	35.36	168.01	35.36
		Thermal Total	5450.00	5405.00	1739.46	44.70	1739.46	44.70
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	10.95		10.95	
		Ramam (4x12.73)	51.00	51.00	8.54		8.54	
		Teesta C.F. (3x3x7.5)	67.50	67.50	0.00		0.00	
		Purulia PSS (4x225)	900.00	900.00	69.41		69.41	
		Total Hydro	1053.50	1053.50	88.90		88.90	
	RES		527.29	527.29	86.77		86.77	

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 APRIL' 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	(%)	(2020-21) 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	0.00	0.00
		Budge-Budge (3x250)	750.00	750.00	414.53	76.76	414.53	76.76
		Total CESC	1125.00	1125.00	414.53	51.18	414.53	51.18
HEL	Thermal		600.00	600.00	311.80	72.18	311.80	72.18
		Total West Bengal	8755.79	8710.79	2641.46		2641.46	
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	165.33	95.68	165.33	95.68
		Talcher-II	220.00	220.00	142.63	90.04	142.63	90.04
		Total Thermal	470.00	460.00	307.96	92.98	307.96	92.98
OPGC	Thermal	IB TPS	420.00	420.00	214.09	70.80	214.09	70.80
		IB TPS U#3(660 MW)	660.00	660.00	276.09	0.00	276.09	0.00
		IB TPS U#4(660 MW)	660.00	660.00	268.31	0.00	268.31	0.00
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	44.96		44.96	
		Hirakud-II (Chiplima)	72.00	72.00	18.72		18.72	
		Balimela (6x60+2x75)	510.00	510.00	106.49		106.49	
		Rengali (5x50)	250.00	250.00	107.60		107.60	
		Upper Kolab (4x80)	320.00	320.00	87.12		87.12	
		Indravati HPS (4x150)	600.00	600.00	203.76		203.76	
		Mckd.(Odisha drawal)	57.38	57.38	27.55		27.55	
		Total Hydro	2084.88	2084.88	596.19		596.19	
		RES	511.21	511.21	41.58		41.58	
		Total Odisha	4806.09	4796.09	1704.21		1704.21	
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00		1.00	
NTPC		MTPS Stg-II	390	390	131.228714	46.73	131.23	46.73
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	734.32	63.74	734.32	63.74
		FSTPP (U# 6)	500.00	500.00	257.70	71.58	257.70	71.58
		KhSTPP (4x210+3x500)	2340.00	2340.00	1252.36	74.33	1252.36	74.33
		TSTPP (2x500)	1000.00	1000.00	601.84	83.59	601.84	83.59
		BARH STPS II (2X660)	1320.00	1320.00	291.32	30.65	291.32	30.65
		BRBCL # 1,2,3(3X250 MW)	750.00	750.00	281.39	52.11	281.39	52.11
		NSTPS	660.00	660.00	398.03	83.76	398.03	83.76
		DSTPP	800.00	800.00	389.66	67.65	389.66	67.65
		Total NTPC	9360.00	9360.00	4337.85	64.37	4337.85	64.37
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	16.94		16.94	
		Teesta (3x170)	510.00	510.00	188.26		188.26	
		TLDP -(4x33+4x40)	292.00	292.00	59.91		59.91	
		Total NHPC	862.00	862.00	265.11		265.11	
	Thermal	MPL (U#1&2)	1050.00	1050.00	523.63	69.26	523.63	69.26
		APNRL (U#1,2)	540.00	540.00	178.34	45.87	178.34	45.87
		GMR (2x350)	700.00	700.00	221.04	43.86	221.04	43.86
		JITPL (2X600)	1200.00	1200.00	498.61	57.71	498.61	57.71
		CHUZACHEN** (2x55)	110.00	110.00	18.52		18.52	
		JORETHANG (2x48)	96.00	96.00	12.39		12.39	
		TEESTA URJA St III (6x200)	1200.00	1200.00	297.30		297.30	
		Tashilding (2x48.5)	97.00	97.00	11.21		11.21	
		DICKCHU (2x48)	96.00	96.00	20.60		20.60	
		TALCHER SOLAR	10.00	10.00	1.24		1.24	
		Total Thermal (E.R)	30305.00	30240.00	11106.84	51.01	11106.84	51.01
EASTERN REGIONAL		Total Hydro (E.R)	5876.58	5876.58	1328.31		1328.31	
		Total RES	1488.68	1488.68	158.19		158.19	
		TOTAL (E.R)	37670.26	37605.26	12593.34		12593.34	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	79.72		79.72	
	Hydro	Kurichu (4x15)	60.00	60.00	-0.20		-0.20	
	Hydro	TALA (6x170)	1020.00	1020.00	38.65		38.65	
	Hydro	DAGACHU (2x63)	126.00	126.00	12.43		12.43	
		MANGDECHU(4x180)	720.00	720.00	135.00		135.00	
		Grand Total	39956.26	39801.26	12858.93		12858.93	

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF APR'2020 (14-4-2020)

Date 14-Apr-20
Time 22.00 Hrs.
Frequency 49.98 Hz.

(All Fig. in MW)

System/State	Installed Capacity	Effective Capacity	Hydro	Thermal	RES	Total
BSPHCL	1031	1021	0	0	0	0
JUVNL	597	597	0	132	0	132
DVC	7107	7107	45	2764	0	2809
ODISHA	4806	4796	1122	1020	30	2171
WBSEDCL	6371	6326	916	2753	0	3668
TLDP	292	292	117	0	0	117
HEL HALDIA	600	600	0	533	0	533
CESC	1125	1125	0	645	0	645
DPL	660	660	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	9360	9360	0	6586	0	6586
NHPC	570	570	494	0	0	494
CHUKHA	360	270	157	0	0	157
KURICHU	60	60	-5	0	0	-5
TALA	1020	1020	76	0	0	76
MPL	1050	1050	0	974	0	974
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	232	0	232
Kamalganga (GMR)	700	700	0	327	0	327
JITPL	1200	1200	0	550	0	550
Chuzachen	110	110	2	0	0	2
Jorethang	96	96	42	0	0	42
TEESTA URJA St III	1200	1200	784	0	0	784
Tashilding	97	97	0	0	0	0
DICKCHU	96	96	55	0	0	55
<u>Daghachu</u>	126	126	15	0	0	15
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechu</u>	720	720	195	0	0	195
<u>Total</u>	39956	39801	4014	16514	30	20558
Import From Captive:						1042
Export To:						
NER						-5
SR						2041
WR						-1640
NR						2070
Bangladesh						948
Nepal						94
Total						3507

➤ I Net Peak Demand Met (MW) :

18093

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

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of APR'2020 (14-4-2020)

(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	2271	16973	19244	1026	346	4316	16299	13	0	16312
2	1738	16770	18509	1030	346	3677	16207	10	1	16219
3	1178	16790	17968	1016	356	3418	15922	20	101	16043
4	916	16624	17540	1030	349	3203	15715	-1	109	15823
5	1232	16696	17928	1037	344	3638	15671	22	110	15803
6	2027	16614	18642	1024	327	4767	15226	39	111	15375
7	2202	16222	18424	1011	318	4995	14758	-3	108	14864
8	1638	15867	17506	982	322	4203	14607	-10	42	14638
9	1118	14817	15935	935	325	2801	14393	-4	155	14544
10	1643	14313	15955	899	331	2418	14767	13	155	14935
11	1693	13849	15542	854	344	1751	14988	-7	156	15137
12	1273	13285	14559	850	440	1354	14495	-20	159	14633
13	1534	12892	14426	883	461	1303	14467	9	296	14772
14	1664	12679	14343	903	462	1013	14695	-3	223	14916
15	1964	12778	14742	923	448	946	15167	24	175	15367
16	1994	13628	15623	964	411	1896	15102	28	2	15131
17	1778	13948	15727	1004	406	2528	14609	-17	3	14611
18	1464	13776	15240	1046	389	2290	14385	-20	3	14388
19	2470	14532	17002	1077	399	1737	16742	-7	3	16745
20	3459	15925	19384	1085	419	3089	17797	11	0	17808
21	3411	16306	19717	1092	435	3195	18049	2	57	18107
22	3606	16514	20120	1042	438	3507	18093	16	193	18302
23	3619	16748	20367	1012	422	4204	17597	-5	242	17834
24	2973	16665	19638	1027	509	3702	17472	-21	179	17629

Hourly Load Generation Data of ER On Regional Lean Day During The Month of APR'2020 (21-4-2020)

(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	3845	14703	18548	922	412	6310	13571	37	93	13701
2	2991	14213	17204	923	409	5760	12776	13	87	12877
3	2267	14246	16512	916	443	5217	12655	21	83	12759
4	2246	14069	16315	909	512	5641	12095	0	82	12178
5	2315	13935	16250	930	432	5946	11666	-1	95	11760
6	2899	13729	16628	906	384	7192	10725	-1	119	10843
7	2690	13178	15868	920	358	7276	9870	-20	135	9985
8	2532	12162	14694	874	345	6384	9529	-10	148	9668
9	2150	11747	13897	830	344	5588	9482	-9	118	9592
10	1562	11592	13154	798	348	4821	9479	-11	110	9578
11	1072	11304	12377	710	325	4603	8808	-29	107	8887
12	717	11304	12022	660	318	4272	8728	7	109	8844
13	807	11469	12276	610	322	4436	8772	10	106	8888
14	993	11395	12388	630	322	4538	8801	18	97	8916
15	732	11136	11869	664	309	3770	9072	2	98	9171
16	576	11222	11798	689	343	3647	9183	18	58	9259
17	695	11504	12198	744	345	3799	9489	17	46	9551
18	798	11342	12140	801	408	3307	10043	-3	42	10082
19	2161	11804	13966	804	426	2721	12475	3	35	12512
20	2492	12669	15161	794	434	3651	12738	60	35	12834
21	2394	13248	15642	807	455	4255	12649	31	34	12714
22	2218	13481	15699	815	469	4944	12039	18	110	12166
23	3535	14062	17597	795	415	6341	12466	27	34	12527
24	2987	13927	16914	765	393	6976	11095	-8	34	11121

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

FOR THE MONTH OF APR'2020

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 0.439 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 21.04 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 11.60 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

Apr-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-Apr	49.97	49.97	49.96	49.95	49.93	49.96	17.10	73.60	9.10	73.60	50.14	12:00:20	49.61	22:07:30	50.06	0:00	49.75	0:00
02-Apr	50.00	50.02	50.01	50.02	49.98	50.01	2.64	71.34	25.99	71.34	50.18	18:31:30	49.76	00:10:50	50.13	0:00	49.84	0:00
03-Apr	50.00	49.99	50.00	50.01	50.00	50.00	4.10	75.00	20.90	75.00	50.20	18:00:50	49.78	19:20:00	50.10	0:00	49.88	0:00
04-Apr	49.97	49.99	49.99	50.02	49.95	49.99	5.00	78.80	16.20	78.80	50.30	18:02:10	49.79	22:34:00	50.09	0:00	49.83	0:00
05-Apr	49.98	50.00	49.97	50.01	50.01	49.99	4.90	73.20	21.90	73.20	50.26	21:08:40	49.71	20:49:40	50.19	0:00	49.87	0:00
06-Apr	50.00	50.00	50.02	49.99	49.99	50.00	2.60	76.40	21.00	76.40	50.19	18:01:20	49.82	22:07:50	50.09	0:00	49.88	0:00
07-Apr	50.00	49.99	50.01	50.02	50.00	50.00	3.40	70.80	25.80	70.80	50.20	18:01:20	49.83	00:07:40	50.11	0:00	49.90	0:00
08-Apr	49.97	50.01	49.99	50.00	50.00	49.99	5.70	77.90	16.40	77.90	50.18	18:02:10	49.80	00:08:30	50.07	0:00	49.87	0:00
09-Apr	49.99	50.01	49.99	50.00	49.97	50.00	4.90	77.20	17.90	77.20	50.19	18:32:10	49.77	22:05:30	50.10	0:00	49.85	0:00
10-Apr	49.99	50.00	50.00	49.99	49.95	49.99	4.90	77.40	17.70	77.40	50.19	06:01:10	49.79	22:39:10	50.07	0:00	49.85	0:00
11-Apr	49.99	50.01	49.97	50.01	49.96	49.99	5.10	78.50	16.50	78.50	50.18	18:00:40	49.79	06:12:50	50.08	0:00	49.89	0:00
12-Apr	49.99	50.01	50.00	49.99	49.99	50.00	4.00	78.00	18.00	78.00	50.15	08:01:20	49.76	00:07:30	50.08	0:00	49.83	0:00
13-Apr	49.96	49.98	49.99	49.99	49.95	49.98	12.30	70.50	17.20	70.50	50.20	18:01:20	49.75	00:11:20	50.11	0:00	49.84	0:00
14-Apr	49.98	49.99	50.00	50.00	50.02	49.99	4.30	76.90	18.90	76.90	50.20	12:00:20	49.78	15:25:40	50.08	0:00	49.86	0:00
15-Apr	50.00	50.01	50.02	50.00	49.92	50.00	4.20	74.90	20.90	74.90	50.23	18:01:30	49.78	22:16:50	50.11	0:00	49.84	0:00
16-Apr	49.99	50.01	49.98	50.00	49.99	49.99	5.80	76.60	17.60	76.60	50.20	06:02:10	49.83	21:08:50	50.09	0:00	49.86	0:00
17-Apr	49.97	49.98	50.01	50.01	50.03	50.00	4.20	80.50	15.30	80.50	50.23	18:02:40	49.78	03:09:00	50.16	0:00	49.88	0:00
18-Apr	50.01	49.99	50.00	50.02	50.02	50.00	3.20	79.00	17.80	79.00	50.24	18:31:40	49.83	12:11:00	50.08	0:00	49.87	0:00
19-Apr	50.02	50.01	50.01	50.00	50.00	50.01	3.10	73.20	23.80	73.20	50.23	06:02:50	49.83	15:14:50	50.12	0:00	49.89	0:00
20-Apr	50.02	50.01	50.00	50.02	50.00	50.01	1.90	72.40	25.70	72.40	50.28	11:53:30	49.72	14:13:10	50.19	0:00	49.90	0:00
21-Apr	49.97	50.03	49.98	49.95	49.98	49.98	9.80	71.60	18.60	71.60	50.23	18:01:50	49.67	19:14:40	50.07	0:00	49.81	0:00
22-Apr	49.98	49.99	49.95	49.97	49.95	49.97	12.90	75.30	11.90	75.30	50.22	18:02:00	49.71	22:11:40	50.12	0:00	49.81	0:00
23-Apr	49.99	50.00	50.01	50.00	50.01	50.00	4.80	72.30	22.90	72.30	50.25	18:01:40	49.71	19:13:00	50.12	0:00	49.83	0:00
24-Apr	49.98	50.00	50.00	50.00	50.02	50.00	4.60	76.00	19.40	76.00	50.23	16:02:10	49.76	12:17:00	50.16	0:00	49.87	0:00
25-Apr	49.97	50.04	50.02	49.99	49.96	50.00	3.60	72.30	24.10	72.30	50.21	06:01:40	49.75	12:15:10	50.11	0:00	49.91	0:00
26-Apr	49.96	50.01	50.05	50.01	50.03	50.01	3.50	65.30	31.20	65.30	50.28	18:02:20	49.80	00:16:30	50.12	0:00	49.87	0:00
27-Apr	50.01	50.04	50.00	49.98	50.03	50.01	2.80	71.40	25.70	71.40	50.20	06:02:10	49.82	12:39:10	50.09	0:00	49.90	0:00
28-Apr	49.97	50.01	50.01	50.00	50.02	50.00	2.40	79.50	18.10	79.50	50.20	18:32:00	49.83	00:47:40	50.10	0:00	49.90	0:00
29-Apr	50.01	50.01	50.00	49.99	50.00	50.00	0.90	79.40	19.70	79.40	50.18	16:01:30	49.87	12:08:30	50.10	0:00	49.92	0:00
30-Apr	49.99	50.02	50.01	50.00	49.99	50.00	1.10	80.30	18.60	80.30	50.16	05:32:10	49.85	03:17:10	50.08	0:00	49.93	0:00
MAX	50.02	50.04	50.05	50.02	50.03	50.01	17.10	80.50	31.20	80.50	50.30		49.87		50.19		49.93	
MIN	49.96	49.97	49.95	49.95	49.92	49.96	0.90	65.30	9.10	65.30	50.14		49.61		50.06		49.75	
AVG	49.99	50.00	50.00	50.00	49.99	50.00	4.99	75.18	19.83	75.18	50.21		49.78		50.11		49.86	

SUMMARY:

Avg. Frequency :

50.0 Hz.

Instantaneous Frequency :

Maximum Frequency : 50.30 Hz at 18.02.10 Hrs.

Minimum Frequency : 49.61 Hz at 22.07.30 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.19 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.75 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	4.99	75.18	19.83

VOLTAGE ANALYSIS

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

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	427	403	425	406	428	393	422	396

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	417	385	419	401	419	403	422	406

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
Apr-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	
			(30-04-20)	(30-04-19)		
Hirakud	192	180	188.34	186.45	189.98	01.04.20
Balimela	462	439	450.83	450.71	453.63	01.04.20
Rengali	123	109	116.49	114.00	120.38	01.04.20
Upperkolab	858	844	851.66	849.65	853.12	01.04.20
Indravati	642	625	634.13	631.52	636.03	01.04.20
Subernrekha	590	580	584.48	585.06	585.12	01.04.20

B.

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

(All figs. are in MU)

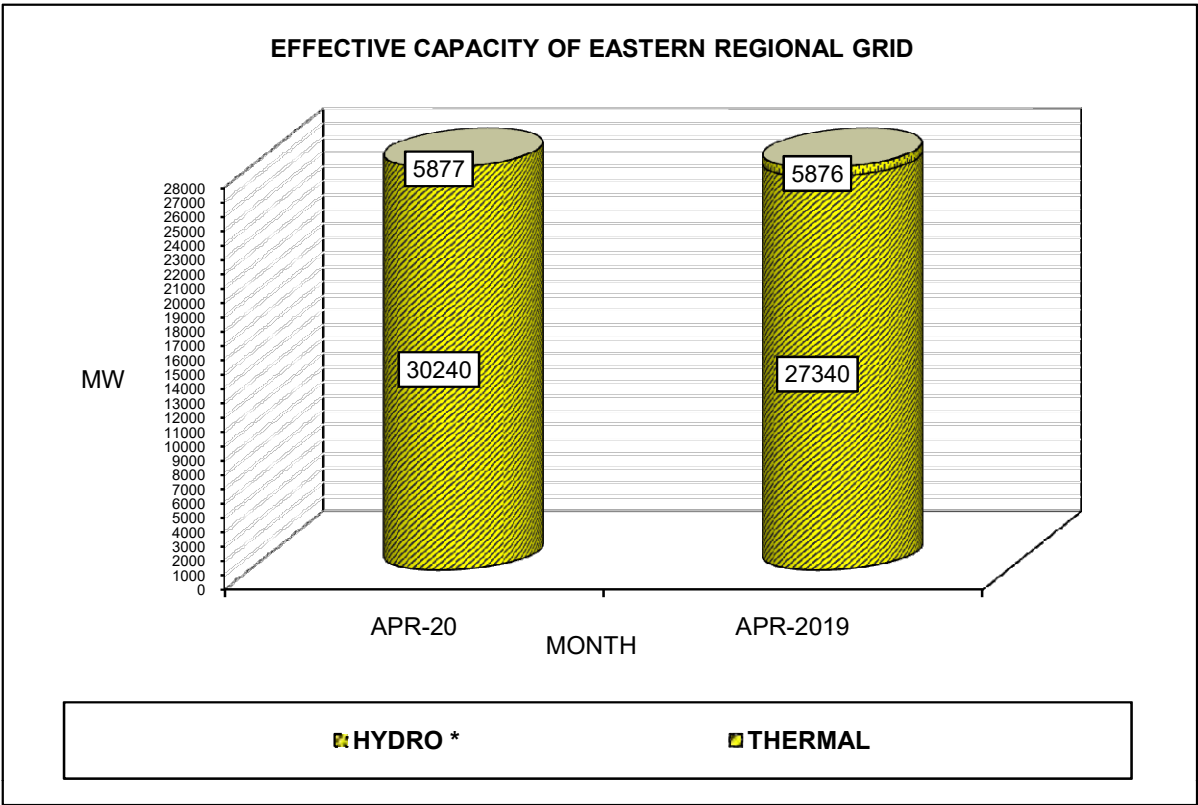
System	Tata Power	Crescent Power	JSPL, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	38.33
West Bengal	73.50	0.00	0	0	0	0	0	0.00	73.50
ODISHA	0	0	38.62	169.44	0.00	9.01	0	264.24	481.32
DVC	0	0	0	0	0	0	18.99	0	18.99
TOTAL	73.50	0.00	38.62	169.44	0.00	9.01	18.99	264.24	612.14

C.

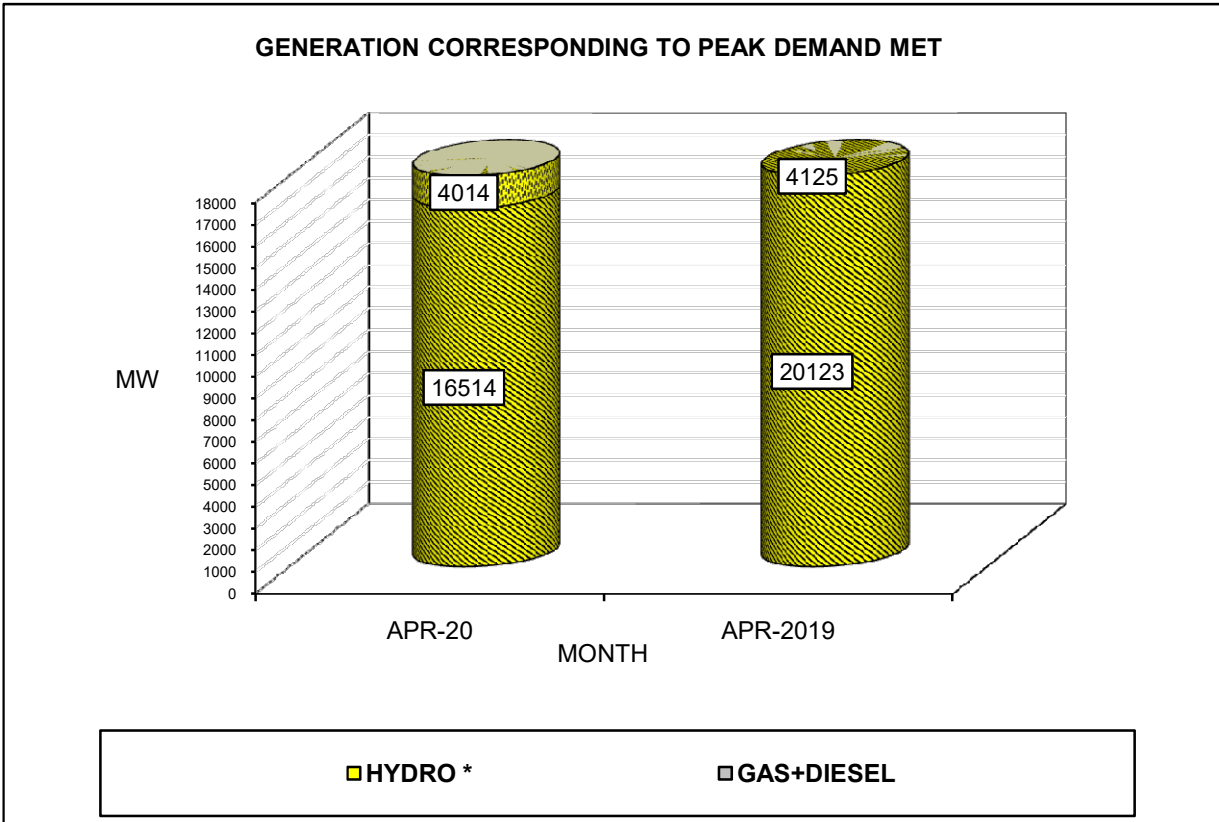
Distribution of Schedule Supply among Key Customers by IPPs during Apr-20

(All figs. are in MU)

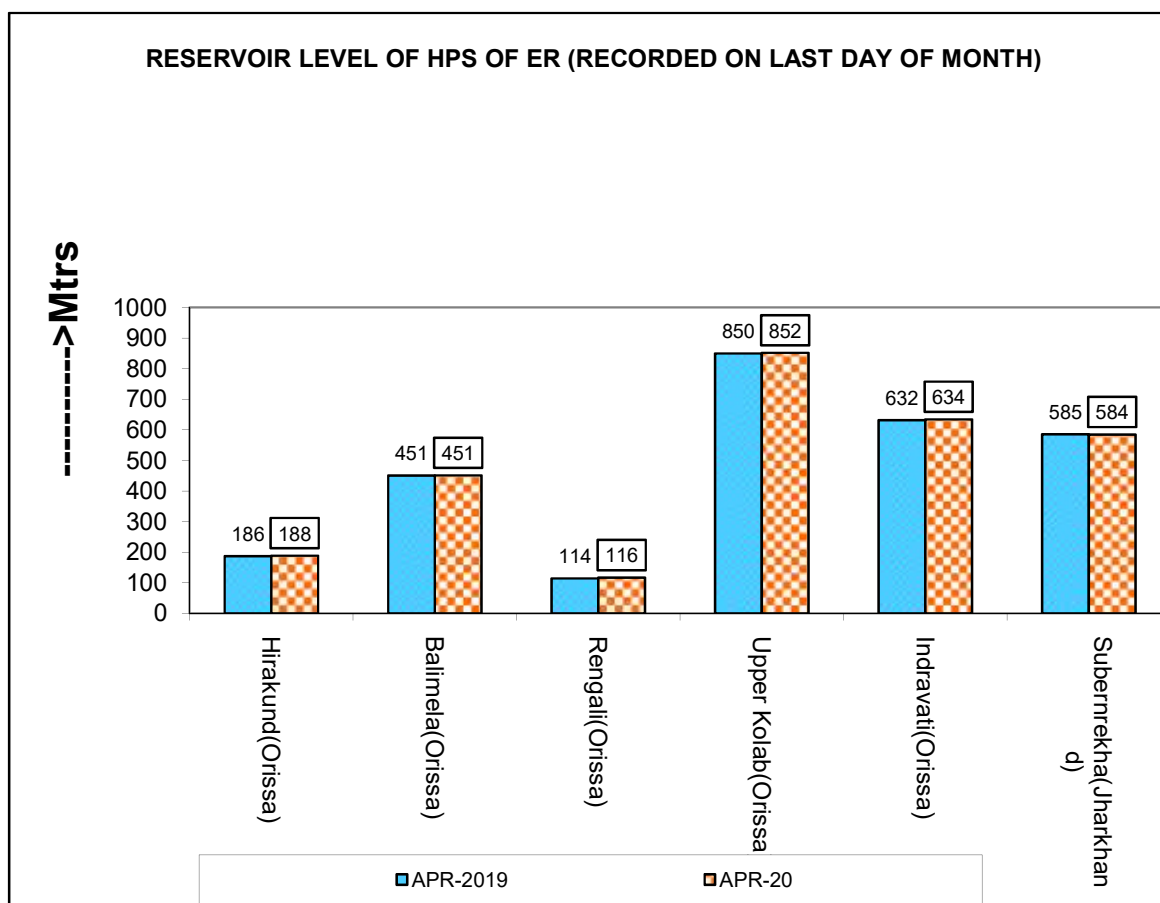
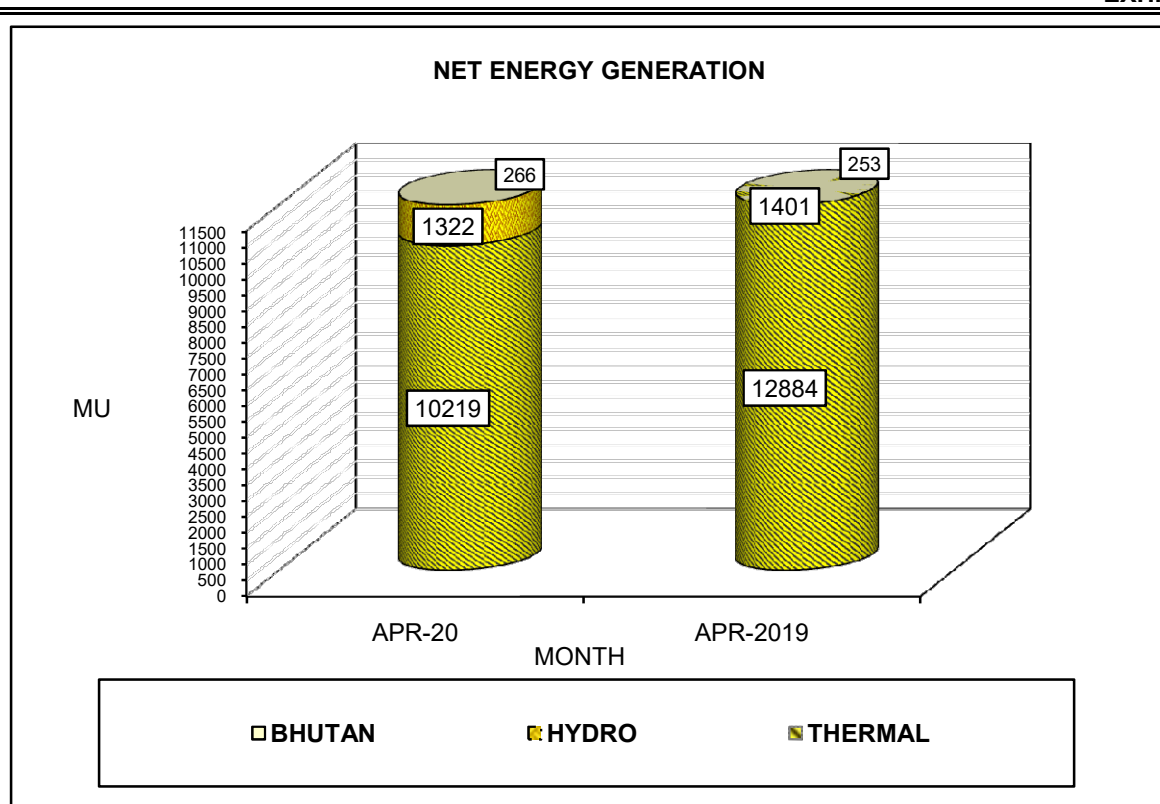
IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	129.37	151.37	25.12	0.00	0	0	183.63	489.49
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	33.81	0	0.00	0.00	92.53	48.58	174.92
Total	129.37	185.18	25.12	0.00	0.00	92.53	232.21	664.41



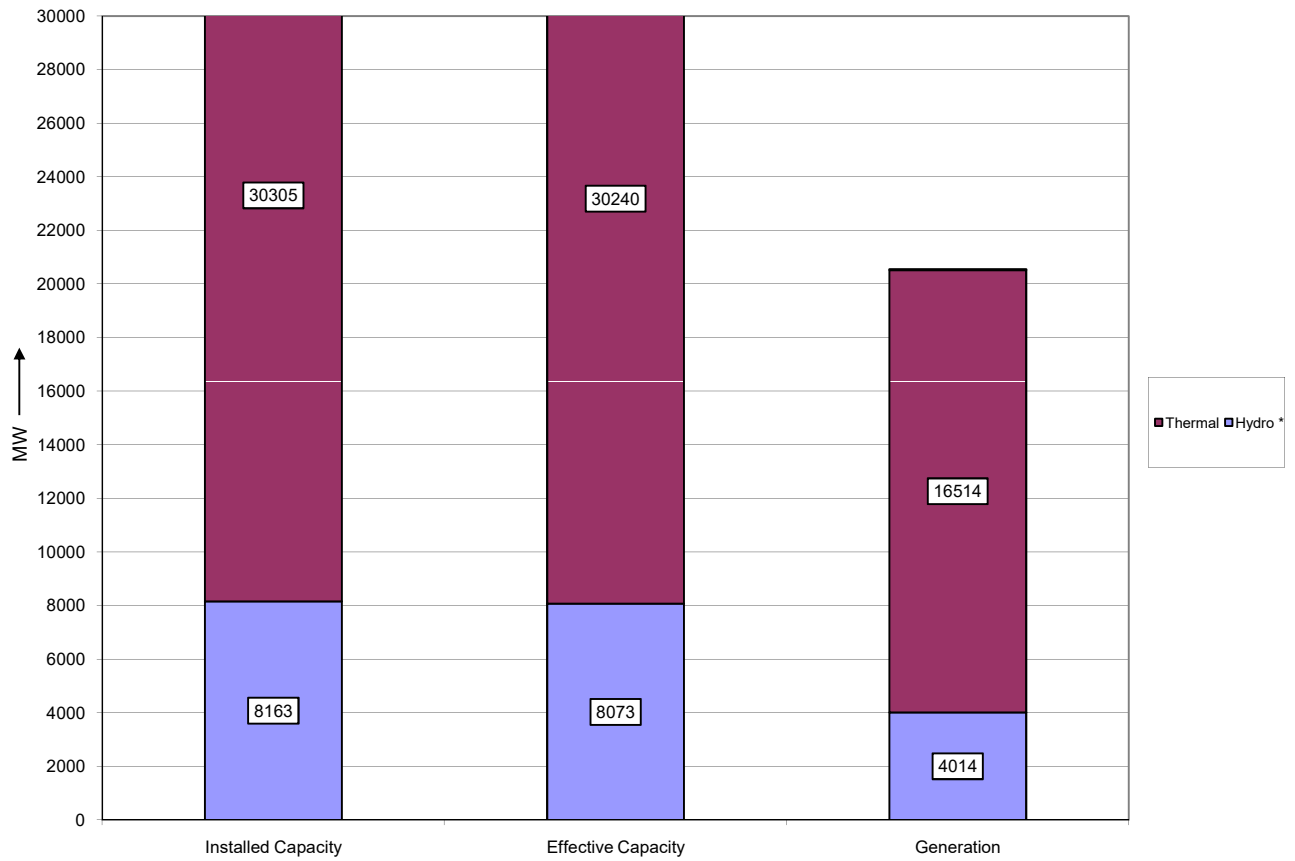
*Excludes contribution from HEPs of Bhutan



*Includes contribution from HEP of Bhutan

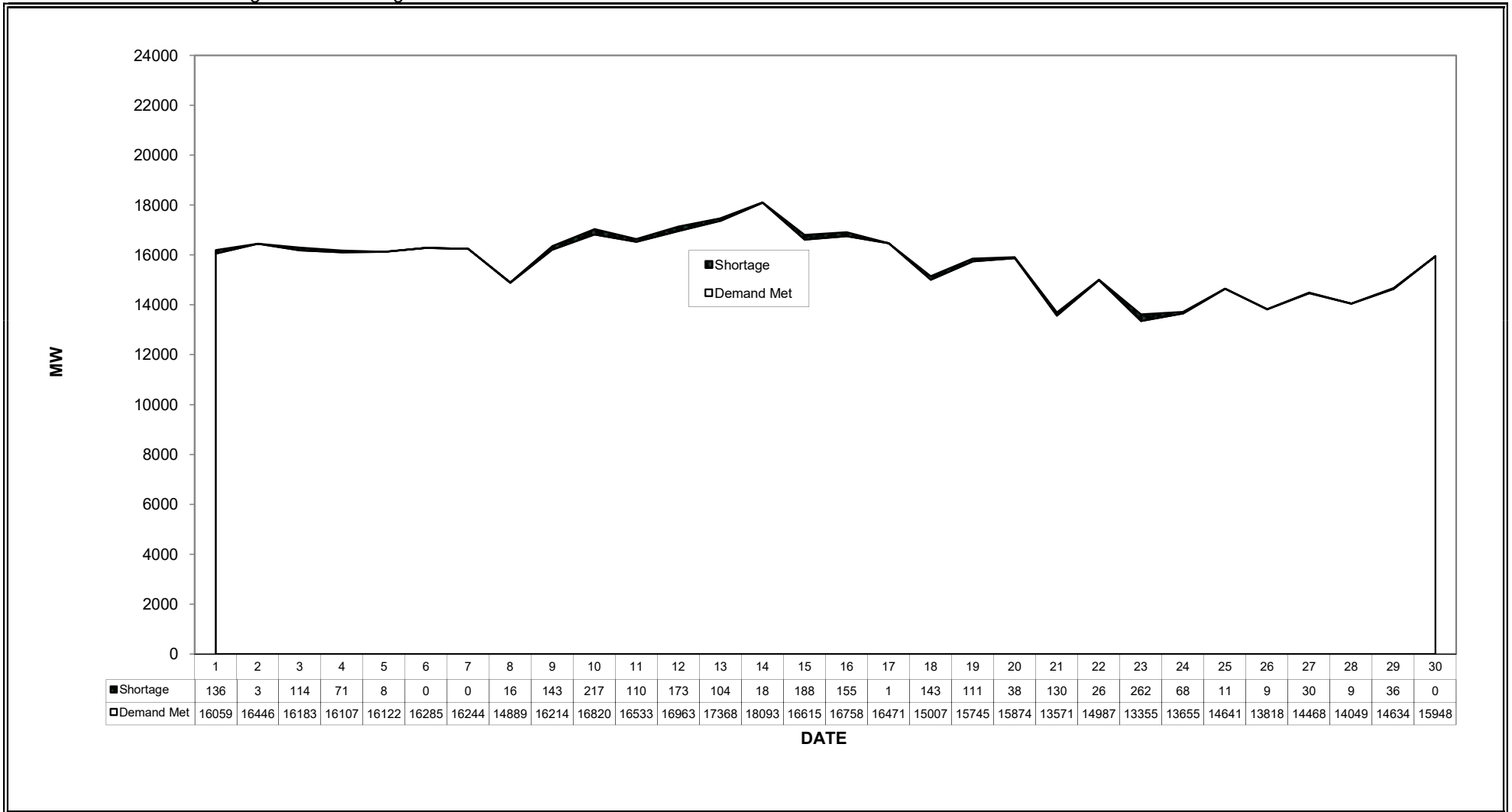


Capacity / Actual Generation Pattern of ER on Peak Day (14-4-2020) at 22.00 hrs.

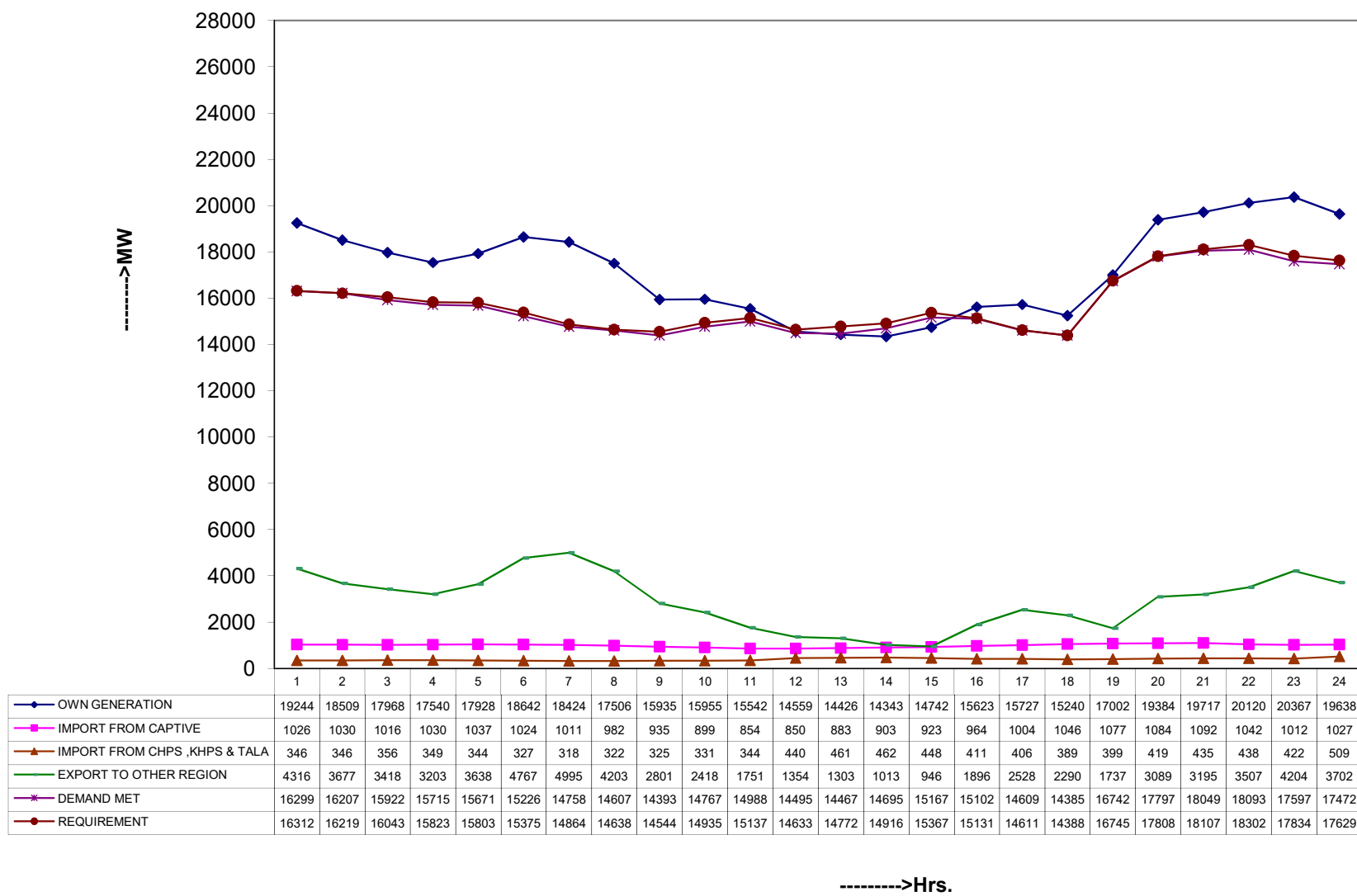


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

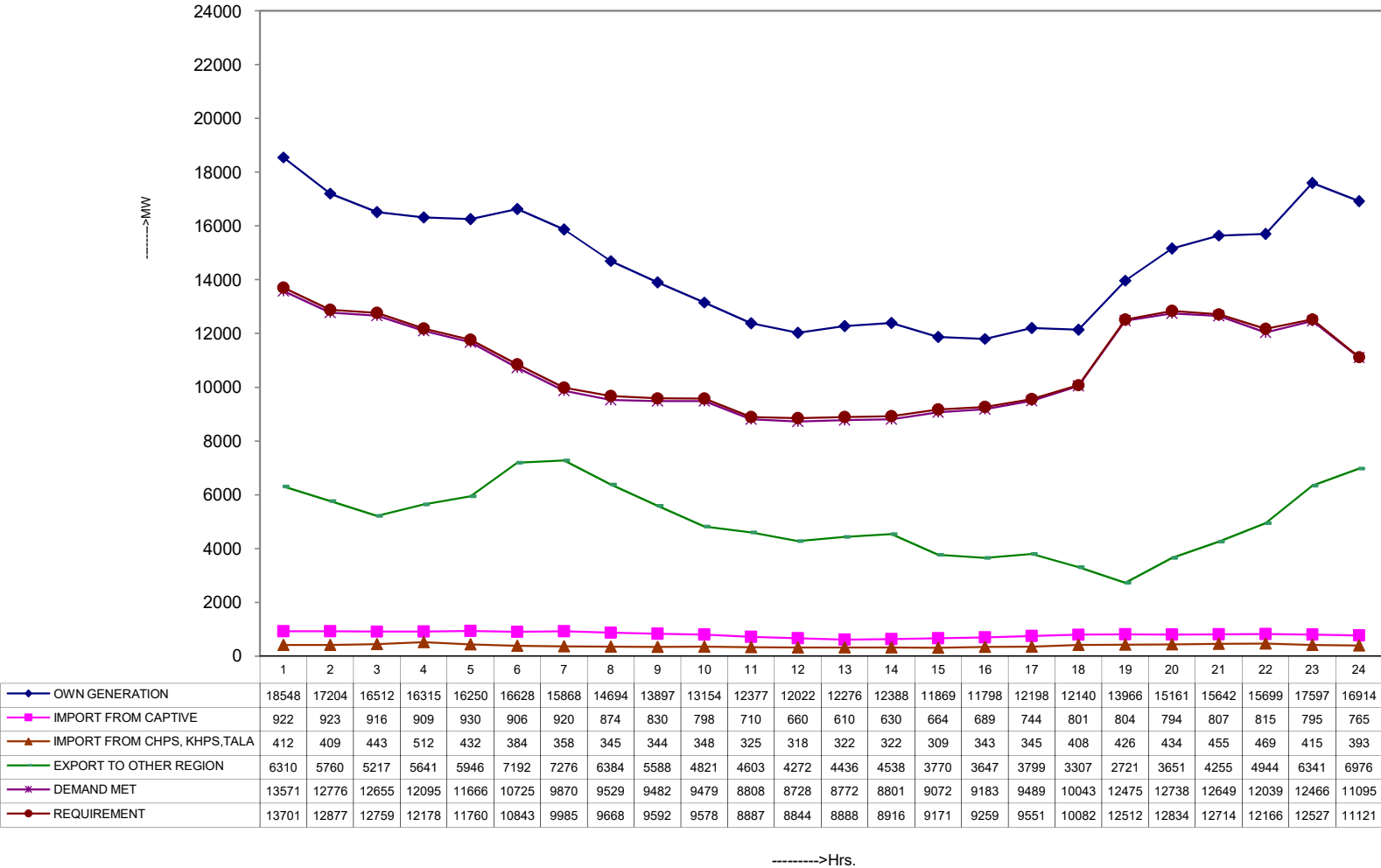
Peak Demand Met / Shortage of Eastern Region For The Month Of APR'2020



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of APR'2020 (14-4-2020)

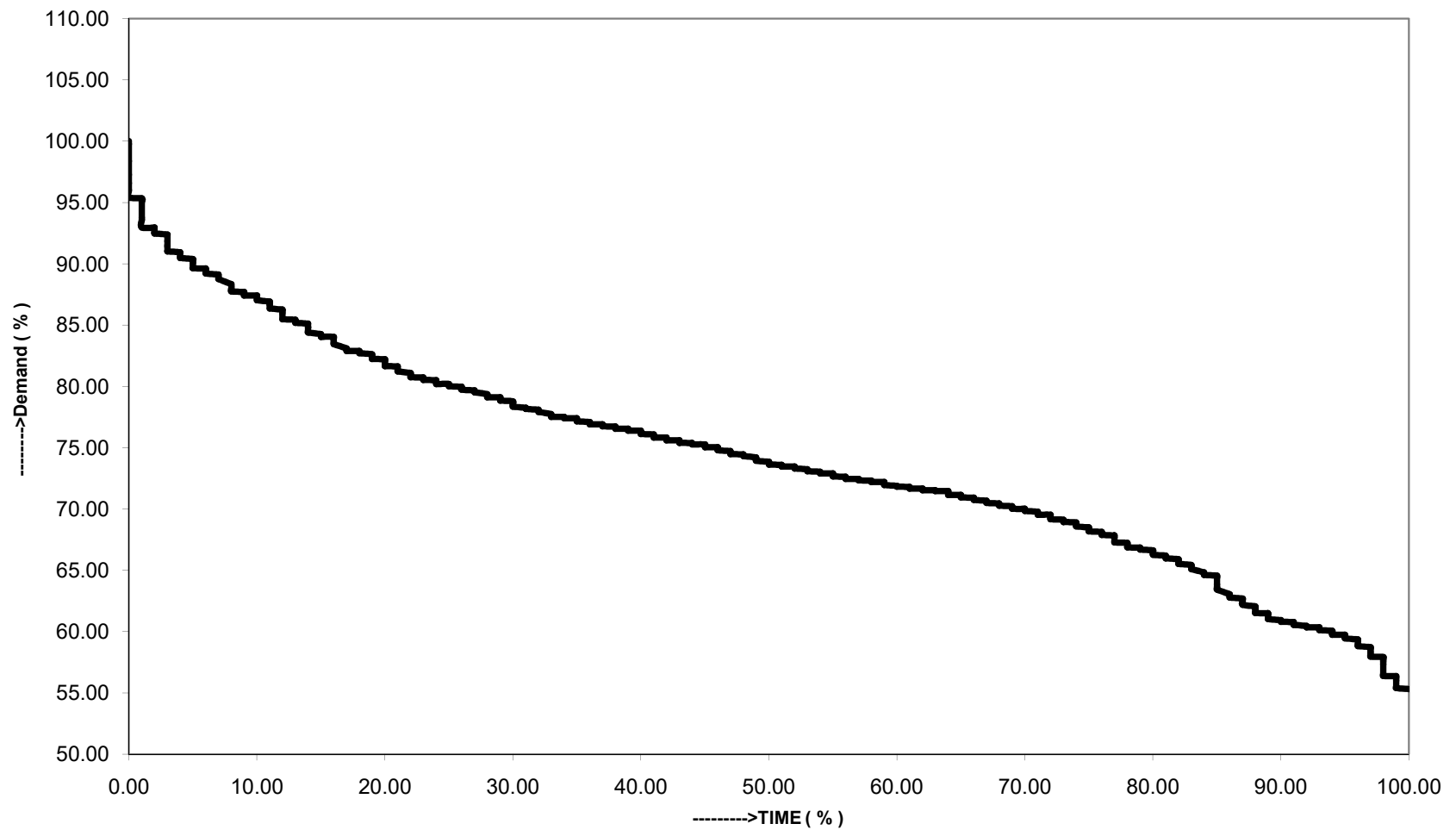


Hourly Load Generation Data of ER On Regional Lean Day During The Month of APR'2020 (21-4-2020)



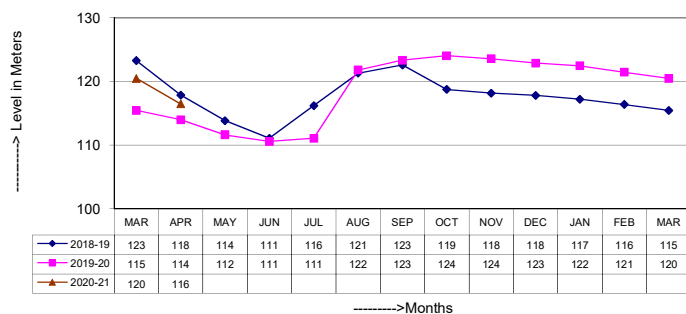
Monthly Load Duration Curve of Eastern Region for APR-20

Maximum Demand met : 18093 MW
Minimum Demand met: 8728 MW

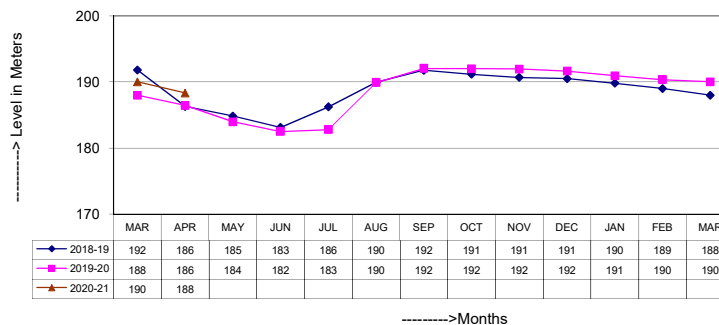


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

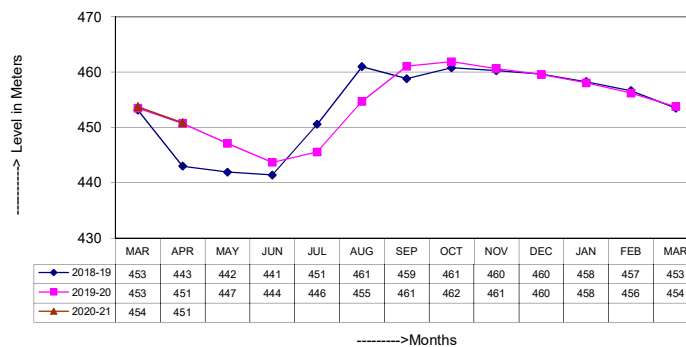
RENGALI RESERVOIR LEVEL



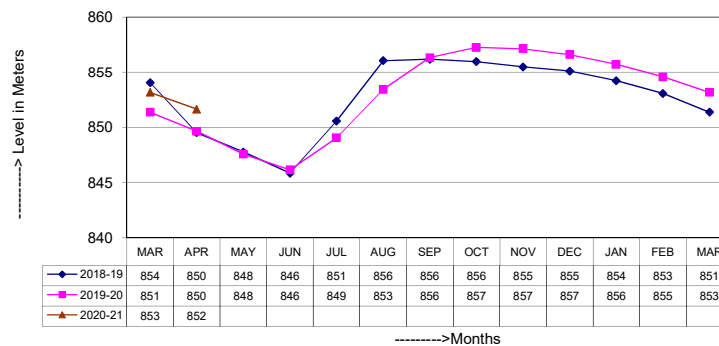
HIRAKUD RESERVOIR LEVEL



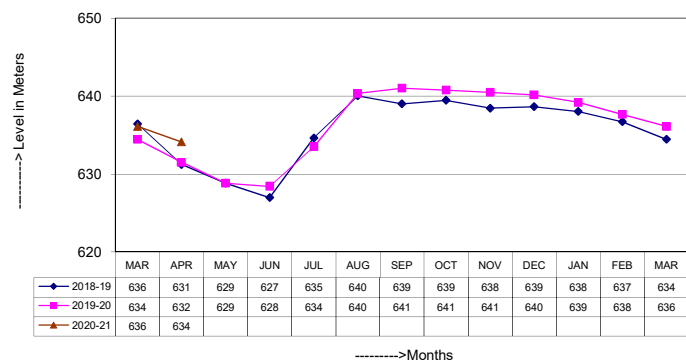
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

