



सत्यमेव जयते

Government of India

विद्युतमंत्रालय

Ministry of Power

पूर्वी क्षेत्रीय विद्युत समिति

EASTERN REGIONAL POWER COMMITTEE

मासिक प्रगति रिपोर्ट

PROGRESS REPORT FOR THE MONTH OF

जून - 2020

June- 2020



14, गोल्फ क्लब रोड, टोलीगंज

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Highlights of Eastern Regional Power System for June-2020

- The **Maximum Net Demand** met of **Eastern Region (ER)** during the month of **Jun, 2020** was **21832 MW** which is 4.28% less than the **Jun, 2019** (22808 MW). Individual **Peak Demand (MW)** most of the constituents **decreased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Jun,2020** was **425.23 MU** excluding export, which is 7.90% less than the corresponding period of last year (461.72 MU).
- **The Average regional PLF of thermal units during the month is 59.73%**, which is 9.60% less than the corresponding period of the last year (**69.33%**).
NTPC (TTPS) registered the highest **PLF** of 92.67%, followed by CESC (Budge-Budge) 91.14% and NTPC (TSTPP) 90.29% during the month of **Jun, 2020**.
- **Maximum Net generation** was **26714 MW** against total **Effective Capacity of 39691.26 MW** (including import from Bhutan). At the time of Regional peak (**21832 MW** on 24.06.2020 at 22.00 hrs.) the generation was 26314 MW and import from CPP was 1159 MW, Net export was 5641 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 76.91% of time during the month. **Average frequency** for the month was **50.00 Hz**. The instantaneous maximum and the minimum frequency touched were 50.31 Hz and 49.63 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.25 Hz** and **49.78 Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded **426 KV** at Jeypore 400 KV S/s whereas the minimum voltage recorded 384 KV at Jeerat 400 KV S/s of Power grid.
- **The Maximum Export from ER to outside region was 9446 MW (including Nepal and Bangladesh) on 27th Jun, 2020 at 23:00 hrs. Total net energy export during the month was 3857.44 MU (Inc.Transmission loss) MU which is corresponds to 24.35 % of ex-bus total generation 15842.55 MU of Eastern Region.**
- **The import from CPPs was 771.57 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	5182	0	2340.58
WR	433	3728	-1264.58
SR	3843	0	1716.11
NER	1465	203	373.93
BANGLADESH	963		667.42
NEPAL (via-CTU)	177		23.98
Total			3857.44
NEPAL by Bihar(NBPDCL)			14.03245

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Jun-20	JUNE-2019	CHANGE	% CHANGE
1)	Effective Capacity (end of the Month)				
	THERMAL (MW)	30130	27340	2790	10.20
	HYDRO (MW)	5877	\$ 5876	1	0
	DIESEL (MW)	0	0	0	0
	RES (MW)	1489	1336	0	0
	TOTAL (MW)	37495	34552	2943	8.52
2)	Peak Demand (MW)	21989	22867	-878	-3.84
3)	Peak Demand Met (MW)	21832	22808	-976	-4.28
4)	Shortage (MW)	156	59	97	165.19
5)	% Shortage	0.71	0.26	0.45	173.68
6)	Average Energy Requirement Per Day (MU)	425.91	462.9	-36.96	-7.98
7)	Average Energy Availability Per Day (MU)	425.23	461.7	-36.49	-7.90
8)	Average Shortage Per Day (MU)	0.69	1.15	-0.46	-40.32
9)	% Shortage	0.16	0.25	-0.09	-35.55
10)	Net Generation for the Month				
	Thermal (MU)	11926.82	12745.42	-818.60	-6.42
	Hydro (MU)	3744.41	* 2462.44	1281.97	52.06
	RES (MU)	171.31	51.66	0.00	-
	Total (MU)	15842.55	15259.52	583.03	3.82
11)	Generation at the Time of Max. Regional Demand Met (24-06-20 at 22.00 Hrs.)				
	Thermal (MW)	19251	17422	1829	10.50
	Hydro (MW)	7013	* 4854	2159	44.48
	RES(MW)	50	45	5	11.93
	Total (MW)	26314	22321	3993	17.89
12)	Inter-Regional Energy Transfer				
	Export (MU)	5121.94	4100.62	1021.32	24.91
	Import (MU)	1264.58	1876.40	-611.82	-32.61
	Net Exp.(+)/Net Imp.(-) (MU)	3857.35	2224.22	1633.13	73.43
13)	Import From Captive(MU)	771.57	816.30	-44.73	-5.48
14)	Peak Inter Regional Power Transfer				
	Max Export (MW) on 27-06-20 at 23.00Hrs	9446	7505	1941	25.87
	Max Import (MW) on 16-06-20 at 23.00Hrs	3728	5384	-1656	-30.76
	Max Net Export(+)/Import (-) (MW)	8474	6185	2289	37.01
15)	Maximum voltage recorded	426	JEYPORE	400 kv s/s	
16)	Minimum voltage recorded	384	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)

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 JUNE'2020

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	101.45	101.72	0.27	0.27
JUVNL	25.85	26.03	0.17	0.67
DVC	58.45	58.46	0.01	0.01
ODISHA	82.78	82.79	0.01	0.01
WBSEDCL	124.74	125.21	0.47	0.37
CESC	30.31	30.32	0.00	0.01
SIKKIM	1.39	1.39	0.00	0.01
REGION	425.23	425.91	0.69	0.16

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	5718	5721	3	0.05
JUVNL	1368	1370	2	0.14
DVC	2715	2715	0	0.00
ODISHA	4293	4297	5	0.10
WBSEDCL	6626	6639	13	0.20
CESC	1728	1732	4	0.2
SIKKIM	84	84	0	0.00
REGION	21832	21989	156	0.71

➤ **DIVERSITY FACTOR** **1.03**

➤ **Regional Peak Demand Met on 24-6-2020 at 22.00 hrs. at 49.95 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA JUNE-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	146.00	19.22	165.22	0.00	22.15	0.00	22.15	0.00	123.85	19.22	143.07	0.00	2900.36	3043.44	101.4	5718	5754
JUVNL	1.60	203.67	0.00	205.27	0.00	24.61	0.00	24.61	1.60	179.06	0.00	180.66	42.81	552.14	775.60	25.9	1368	1404
DVC	36.01	2945.45	0.00	2981.45	0.13	211.47	0.00	211.60	35.88	2733.97	0.00	2769.86	12.35	-1028.74	1753.47	58.4	2715	3037
ODISHA(OPGC+OHPC+TTPS)	555.01	1124.81	53.39	1733.20	4.48	97.05	0.00	101.53	550.53	1027.76	53.39	1631.67	632.82	219.02	2483.51	82.78	4293	4436
WBPDCL+WBSEDCL+DPL	137.92	1979.54	95.72	2213.18	0.00	171.59	0.00	171.59	137.92	1807.96	95.72	2041.59	83.60	1617.04	3742.23	124.7	6626	6928
CESC	0.00	492.14	0.00	492.14	0.00	37.58	0.00	37.58	0.00	454.55	0.00	454.55	0.00	454.85	909.40	30.3	1728	1790
HEL	0.00	380.22	0.00	380.22	0.00	29.30	0.00	29.30	0.00	350.92	0.00	350.92	0.00	-350.92				
SIKKIM	0.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	39.73	41.73	1.4	84	84
NTPC	0.00	4201.51	0.98	4202.49	0.00	333.24	0.00	333.24	0.00	3868.27	0.98	3869.25	0.00	-3869.25				
MPL	0.00	502.82	0.00	502.82	0.00	32.49	0.00	32.49	0.00	470.33	0.00	470.33	0.00	-470.33				
APNRL	0.00	200.25	0.00	200.25	0.00	16.92	0.00	16.92	0.00	183.33	0.00	183.33	0.00	-183.33				
GMR	0.00	376.14	0.00	376.14	0.00	26.73	0.00	26.73	0.00	349.41	0.00	349.41	0.00	-349.41				
JITPL	0.00	404.11	0.00	404.11	0.00	26.69	0.00	26.69	0.00	377.42	0.00	377.42	0.00	-377.42				
NHPC (Inc TLDP= 175.51 MU)	568.19	0.00	0.00	568.19	0.00	0.00	0.00	0.00	568.19	0.00	0.00	568.19	0.00	-568.19	0.00			
CHUZACHEN HPS	70.28	0.00	0.00	70.28	0.00	0.00	0.00	0.00	70.28	0.00	0.00	70.28	0.00	-70.28	0.00			
DIKCHU HPS	76.98	0.00	0.00	76.98	0.00	0.00	0.00	0.00	76.98	0.00	0.00	76.98	0.00	-76.98	0.00			
JORHANG HPS	54.59	0.00	0.00	54.59	0.00	0.00	0.00	0.00	54.59	0.00	0.00	54.59	0.00	-54.59	0.00			
TASHIDING HPS	58.02	0.00	0.00	58.02	0.00	0.00	0.00	0.00	58.02	0.00	0.00	58.02	0.00	-58.02	0.00			
TEESTA-III HPS	920.23	0.00	0.00	920.23	0.00	0.00	0.00	0.00	920.23	0.00	0.00	920.23	0.00	-920.23	0.00			
CHPC(Birpara Receipt)	278.79	0.00	0.00	278.79	0.00	0.00	0.00	0.00	278.79	0.00	0.00	278.79	0.00	-278.79	0.00			
KHPS	59.11	0.00	0.00	59.11	0.00	0.00	0.00	0.00	59.11	0.00	0.00	59.11	0.00	-59.11	0.00			
THPS	444.15	0.00	0.00	444.15	0.00	0.00	0.00	0.00	444.15	0.00	0.00	444.15	0.00	-444.15	0.00			
DAGACHU HPS	55.66	0.00	0.00	55.66	0.00	0.00	0.00	0.00	55.66	0.00	0.00	55.66	0.00	-55.66	0.00			
Mangdechhu HEP	432.50	0.00	0.00	432.50	0.00	0.00	0.00	0.00	432.50	0.00	0.00	432.50	0.00	-432.50	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar														7.41	7.41			
Total	3749.04	12956.65	171.31	16876.99	4.61	1029.82	0.00	1034.44	3744.43	11926.82	171.31	15842.56	771.57	-3857.44	12756.78	425.2	21832	22765

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	357.93	360.37	2.45	0.68	50.00
JUNE	461.72	462.87	1.15	0.25	49.99	425.23	425.91	0.69	0.16	50.00
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	20166	20306	140	0.69	50.00
JUNE	22808	22867	59	0.26	49.99	21832	21989	156	0.71	50.00
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 JUNE -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 (2020-21) in MU	Cummulative Net Energy Generation upto Current Month (2020-21) in MU
BIHAR	Thermal	Barauni (U# 6,7)	220.00	210.00	0.00	-3.65	22.93	12.52
		Barauni (U# 8)	250.00	250.00	146.00	127.49	302.65	264.09
		Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	-2.63
		Thermal Total	690.00	680.00	146.00	123.85	325.58	273.99
	RES		341.25	341.25	19.22	19.22	65.27	65.27
	Total BIHAR		1031.25	1021.25	165.22	143.07	390.86	339.26
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	203.67	179.06	583.30	510.96
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	1.60	1.60	1.69	1.69
	RES		46.75	46.75	0.00	0.00	0.00	0.00
	Total		176.75	176.75	1.60	1.60	1.69	1.69
DVC	Thermal	Bokaro-B(3)	210.00	210.00	10.87	8.83	10.87	8.83
		Chandrapura(U7 # 8)	500.00	500.00	273.56	246.59	580.70	518.43
		Durgapur(4)	210.00	210.00	0.00	-0.64	0.00	-0.64
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	501.97	447.93	970.19	863.41
		Mezia(U # 7,8)	1000.00	1000.00	322.87	303.16	951.02	893.32
		Bokaro-A(1)	500.00	500.00	244.21	230.00	643.70	604.59
		Durgapur STPS (U#1,2)	1000.00	1000.00	533.03	500.90	1211.09	1132.91
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	450.74	422.36	1050.59	983.78
		Koderma STPS (U#1,2)	1000.00	1000.00	608.21	574.85	1554.41	1466.61
	Total Thermal		6960.00	6960.00	2945.45	2733.97	6972.57	6468.87
	Hydro	Maithon (U#1,2,3)	63.20	63.20	20.52	20.48	38.67	38.57
Panchet (U#1,2)		80.00	80.00	15.49	15.41	32.69	32.49	
Tilaya (U#1,2)		4.00	4.00	0.00	0.0	0.00	0.0	
Hydro Total			147.20	147.20	36.01	35.88	71.37	71.03
Total DVC		7107.20	7107.20	2981.45	2769.86	7043.94	6539.90	
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	37.10	31.14	87.58	72.04
		Santalidih TPS(U#5&6)	500.00	500.00	209.73	191.10	731.28	668.43
		Kolaghat TPS	1260.00	1260.00	114.85	97.23	354.43	302.71
		Bakreswar TPP	1050.00	1050.00	598.68	544.42	1653.89	1504.98
		Sagardighi TPP	1600.00	1600.00	844.54	786.78	1860.02	1730.73
		DPPS (300+250 *)	550.00	550.00	174.64	157.29	594.48	535.59
		Thermal Total	5340.00	5295.00	1979.54	1807.96	5281.68	4814.47
		WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	20.44	20.44
Ramam (4x12.73)	51.00			51.00	27.94	27.94	53.39	53.39
Teesta C.F. (3x3x7.5)	67.50			67.50	0.00	0.00	0.00	0.00
Purulia PSS (4x225)	900.00			900.00	89.54	89.54	252.61	252.61
Total Hydro	1053.50			1053.50	137.92	137.92	353.49	353.49
RES				527.29	527.29	95.72	95.72	266.94

- 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 JUNE -2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	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	
			(in MW)	(in MW)					
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	492.14	454.55	1328.94	1223.16	
		Total CESC	1125.00	1125.00	492.14	454.55	1328.94	1223.16	
HEL	Thermal	HEL	600.00	600.00	380.22	350.92	1006.67	927.96	
		Total West Bengal	8645.79	8600.79	3085.54	2847.06	8237.71	7586.02	
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	165.43	147.04	504.87	448.79	
		Talcher-II	220.00	220.00	141.50	125.77	434.32	386.07	
		Total Thermal	470.00	460.00	306.93	272.81	939.19	834.86	
OPGC	Thermal	IB TPS	420.00	420.00	227.75	201.44	666.09	586.82	
		IB TPS U#3(660 MW)	660.00	660.00	263.29	246.95	809.53	757.85	
		IB TPS U#4(660 MW)	660.00	660.00	326.84	306.57	909.13	851.28	
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	61.43	61.19	171.63	170.93	
		Hirakud-II (Chiplima)	72.00	72.00	31.47	31.36	77.28	76.10	
		Balimela (6x60+2x75)	510.00	510.00	167.57	166.92	458.12	456.70	
		Rengali (5x50)	250.00	250.00	60.18	60.15	247.46	246.24	
		Upper Kolab (4x80)	320.00	320.00	73.73	73.62	252.90	252.31	
		Indravati HPS (4x150)	600.00	600.00	140.28	136.94	495.18	482.89	
		Mckd.(Odisha drawal)	57.38	57.38	20.34	20.34	72.10	72.10	
		Total Hydro	2084.88	2084.88	555.00	550.52	1774.67	1757.27	
		RES	511.21	511.21	53.39	53.39	145.54	145.54	
		Total Odisha	4806.09	4796.09	1733.19	1631.67	5244.15	4933.61	
		(**) SIKKIM	Hydro	RES	52.18	52.18	2.00	2.00	4.00
NTPC		MTPS Stg-II	390.00	390.00	199.257975	178.16	521.99	465.63	
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	551.06	503.22	1828.00	1671.02	
		FSTPP (U# 6)	500.00	500.00	224.15	204.96	734.51	674.64	
		KhSTPP (4x210+3x500)	2340.00	2340.00	1149.37	1055.50	3674.32	3382.82	
		TSTPP (2x500)	1000.00	1000.00	650.07	601.57	1916.53	1771.31	
		BARH STPS II (2X660)	1320.00	1320.00	573.83	535.92	1315.26	1220.34	
		BRBCL # 1,2,3(3X250 MW)	750	750	273.16	246.95	857.03	780.54	
		NSTPS	660.00	660.00	417.85	395.93	1166.95	1104.19	
		DSTPP	800.00	800.00	162.76	146.05	814.22	746.60	
		Total NTPC	9360.00	9360.00	4201.51	3868.27	12828.82	11817.10	
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	39.82	39.82	86.83
Teesta (3x170)	510.00			510.00	352.86	352.86	848.45	848.45	
TLDP -(4x33+4x40)	292.00			292.00	175.51	175.51	352.58	352.58	
Total NHPC	862.00			862.00	568.19	568.19	1287.86	1287.86	
1380.48	MPL (U#1&2)			1050.00	1050.00	502.82	470.33	1557.20	1459.14
APNRL (U#1,2)	540.00			540.00	200.25	183.33	622.97	572.56	
GMR (2x350)	700.00			700.00	376.14	349.41	810.67	752.54	
JITPL (2X600)	1200.00			1200.00	404.11	377.42	1536.15	1438.09	
CHUZACHEN** (2x55)	110.00			110.00	70.28	70.28	129.54	129.54	
JORETHANG (2x48)	96.00			96.00	54.59	54.59	93.34	93.34	
TEESTA URJA St III (6x200)	1200.00			1200.00	920.23	920.23	1811.69	1811.69	
Tashilding (2x48.5)	97.00			97.00	58.02	58.02	95.05	95.05	
DICKCHU (2x48)	96.00			96.00	76.98	76.98	133.68	133.68	
TALCHER SOLAR	10.00			10.00	0.98	0.98	3.58	3.58	
Total Thermal (E.R)	30195.00	30130.00	12956.64	11926.82	36178.48	33289.64			
EASTERN REGIONAL		Total Hydro (E.R)	5876.58	5876.58	2478.81	2474.20	5752.35	5734.63	
		Total RES	1488.68	1488.68	171.31	171.31	485.33	485.33	
		TOTAL (E.R)	37560.26	37495.26	15606.76	14572.33	42416.17	39509.60	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	278.79	278.79	548.35	548.35	
		Kurichu (4x15)	60.00	60.00	59.11	59.11	94.41	94.41	
		TALA (6x170)	1020.00	1020.00	444.15	444.15	734.23	734.23	
		DAGACHU (2x63)	126.00	126.00	55.66	55.66	97.56	97.56	
		MANGDECHU(4x180)	720.00	720.00	432.50	432.50	874.78	874.78	
		Grand Total	39846.26	39691.26	16876.98	15842.55	44765.49	41858.92	

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF JUNE' 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	22.93	5.00
		Barauni (U# 8)	250.00	250.00	146.00	81.11	302.65	55.43
		Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	0.00
		Thermal Total	690.00	680.00	146.00	29.82	325.58	21.92
	RES		341.25	341.25	19.22		65.27	
		Total BIHAR	1031.25	1021.25	165.22		390.86	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	203.67	67.35	583.30	63.59
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	1.60		1.69	
	RES		46.75	46.75	0.00		0.00	
		Total	176.75	176.75	1.60		1.69	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	10.87	7.19	10.87	2.37
		Chandrapura(U7 # 8)	500.00	500.00	273.56	75.99	580.70	53.18
		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	501.97	52.03	970.19	33.15
		Mezia(U # 7,8)	1000.00	1000.00	322.87	44.84	951.02	43.54
		Bokaro-A(1)	500.00	500.00	244.21	67.83	643.70	58.95
		Durgapur STPS (U#1,2)	1000.00	1000.00	533.03	74.03	1211.09	55.45
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	450.74	52.17	1050.59	40.09
	Koderma STPS (U#1,2)	1000.00	1000.00	608.21	84.47	1554.41	71.17	
			Total Thermal	6960.00	6960.00	2945.45	58.78	6972.57
	Hydro	Maithon (U#1,2,3)	63.20	63.20	20.52		38.67	
		Panchet (U#1,2)	80.00	80.00	15.49		32.69	
		Tilaya (U#1,2)	4.00	4.00	0.00		0.00	
		Hydro Total	147.20	147.20	36.01		71.37	
		Total DVC	7107.20	7107.20	2981.45		7043.94	
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	380.00	335.00	37.10	15.38	87.58	11.97
		Santalidih TPS(U#5&6)	500.00	500.00	209.73	58.26	731.28	66.97
		Kolaghat TPS	1260.00	1260.00	114.85	12.66	354.43	12.88
		Bakreswar TPP	1050.00	1050.00	598.68	79.19	1653.89	72.12
		Sagardighi TPP	1600.00	1600.00	844.54	73.31	1860.02	53.23
		DPPS (300+250 *)	550.00	550.00	174.64	44.10	594.48	49.49
		Thermal Total	5340.00	5295.00	1979.54	51.92	5281.68	45.67
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	20.44		47.49	
		Ramam (4x12.73)	51.00	51.00	27.94		53.39	
		Teesta C.F. (3x3x7.5)	67.50	67.50	0.00		0.00	
		Purulia PSS (4x225)	900.00	900.00	89.54		252.61	
			Total Hydro	1053.50	1053.50	137.92		353.49
	RES		527.29	527.29	95.72		266.94	
WBPDCCL,Bandel TPS Unit #3 & Unit #4 (IC=2X82.5 MW,EC=2X60 MW) decommissioned from 01.04.2018.								
1. IB U#3 (660 MW) COD from 03.07.19								
2. IB U#4 (660 MW) COD from 21.08.19								
3.NSTPS U#1(660 MW) COD from 06.09.2019								
4.BARAUNI TPS U#1(250 MW) COD 01.03.2020								
5.DARLIPALI S TPS U#1(800 MW) COD 01.03.2020								
6. DPL U#6 (110 MW) Decommissioned from 28.01.20 as per CEA.								
7. CTPS U#6 (140 MW) Decommissioned from 19.03.2020 as per CEA.								

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF JUNE' 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	492.14	91.14	1328.94	81.13
		Total CESC	1125.00	1125.00	492.14	60.76	1328.94	54.09
HEL	Thermal		600.00	600.00	380.22	88.01	1006.67	76.82
		Total West Bengal	8645.79	8600.79	3085.54		8237.71	
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	165.43	95.73	504.87	96.32
		Talcher-II	220.00	220.00	141.50	89.33	434.32	90.39
		Total Thermal	470.00	460.00	306.93	92.67	939.19	93.49
OPGC	Thermal	IB TPS	420.00	420.00	227.75	75.32	666.09	72.62
		IB TPS U#3(660 MW)	660.00	660.00	263.29	55.41	809.53	56.16
		IB TPS U#4(660 MW)	660.00	660.00	326.84	68.78	909.13	63.07
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	61.43		171.63	
		Hirakud-II (Chiplima)	72.00	72.00	31.47		77.28	
		Balimela (6x60+2x75)	510.00	510.00	167.57		458.12	
		Rengali (5x50)	250.00	250.00	60.18		247.46	
		Upper Kolab (4x80)	320.00	320.00	73.73		252.90	
		Indravati HPS (4x150)	600.00	600.00	140.28		495.18	
		Mckd.(Odisha drawal)	57.38	57.38	20.34		72.10	
		Total Hydro	2084.88	2084.88	555.00		1774.67	
		RES	511.21	511.21	53.39		145.54	
		Total Odisha	4806.09	4796.09	1733.19		5244.15	
(**) SIKKIM	Hydro	RES	52.18	52.18	2.00		4.00	
NTPC		MTPS Stg-II	390	390	199.257975	70.96	521.99	61.28
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	551.06	47.83	1828.00	52.31
		FSTPP (U# 6)	500.00	500.00	224.15	62.26	734.51	67.26
		KhSTPP (4x210+3x500)	2340.00	2340.00	1149.37	68.22	3674.32	71.90
		TSTPP (2x500)	1000.00	1000.00	650.07	90.29	1916.53	87.75
		BARH STPS II (2X660)	1320.00	1320.00	573.83	60.38	1315.26	45.62
		BRBCL # 1,2,3(3X250 MW)	750.00	750.00	273.16	50.59	857.03	52.32
		NSTPS	660.00	660.00	417.85	87.93	1166.95	80.96
		DSTPP	800.00	800.00	162.76	28.26	814.22	46.60
		Total NTPC	9360.00	9360.00	4201.51	62.34	12828.82	62.76
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	39.82		86.83	
		Teesta (3x170)	510.00	510.00	352.86		848.45	
		TLDP -(4x33+4x40)	292.00	292.00	175.51		352.58	
		Total NHPC	862.00	862.00	568.19		1287.86	
	Thermal	MPL (U#1&2)	1050.00	1050.00	502.82	66.51	1557.20	67.91
		APNRL (U#1,2)	540.00	540.00	200.25	51.50	622.97	52.82
		GMR (2x350)	700.00	700.00	376.14	74.63	810.67	53.03
		JITPL (2X600)	1200.00	1200.00	404.11	46.77	1536.15	58.61
		CHUZACHEN** (2x55)	110.00	110.00	70.28		129.54	
		JORETHANG (2x48)	96.00	96.00	54.59		93.34	
		TEESTA URJA St III (6x200)	1200.00	1200.00	920.23		1811.69	
		Tashilding (2x48.5)	97.00	97.00	58.02		95.05	
		DICKCHU (2x48)	96.00	96.00	76.98		133.68	
		TALCHER SOLAR	10.00	10.00	0.98		3.58	
		Total Thermal (E.R)	30195.00	30130.00	12956.64	59.73	36178.48	54.98
EASTERN REGIONAL		Total Hydro (E.R)	5876.58	5876.58	2478.81		5752.35	
		Total RES	1488.68	1488.68	171.31		485.33	
		TOTAL (E.R)	37560.26	37495.26	15606.76		42416.17	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	278.79		548.35	
	Hydro	Kurichu (4x15)	60.00	60.00	59.11		94.41	
	Hydro	TALA (6x170)	1020.00	1020.00	444.15		734.23	
	Hydro	DAGACHU (2x63)	126.00	126.00	55.66		97.56	
		MANGDECHU(4x180)	720.00	720.00	432.50		874.78	
		Grand Total	39846.26	39691.26	16876.98		44765.49	

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF JUNE'2020 (24-6-2020)

Date 24-Jun-20
Time 22.00 Hrs.
Frequency 49.95 Hz.

(All Fig. in MW)

System/State	Installed Capacity	Effective Capacity	Hydro	Thermal	RES	Total
BSPHCL	1031	1021	0	197	0	197
JUVNL	597	597	45	258	0	303
DVC	7107	7107	17	4231	0	4248
ODISHA	4806	4796	1398	1507	50	2955
WBSEDCL	6371	6326	984	2860	0	3845
TLDP	292	292	291	0	0	291
HEL HALDIA	600	600	0	551	0	551
CESC	1125	1125	0	708	0	708
DPL	550	550	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	9360	9360	0	6760	0	6760
NHPC	570	570	583	0	0	583
CHUKHA	360	270	458	0	0	458
KURICHU	60	60	90	0	0	90
TALA	1020	1020	729	0	0	729
MPL	1050	1050	0	984	0	984
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	245	0	245
Kamalganga (GMR)	700	700	0	400	0	400
JITPL	1200	1200	0	551	0	551
Chuzachen	110	110	119	0	0	119
Jorethang	96	96	103	0	0	103
TEESTA URJA St III	1200	1200	1307	0	0	1307
Tashilding	97	97	110	0	0	110
DICKCHU	96	96	112	0	0	112
<u>Daghachu</u>	126	126	82	0	0	82
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechu</u>	720	720	584	0	0	584
<u>Total</u>	39846	39691	7013	19251	50	26314
Import From Captive:						1159
Export To:						
NER						417
SR						2629
WR						-2654
NR						4224
Bangladesh						944
Nepal						80
Total						5641
> I Net Peak Demand Met (MW) :						21832
Indicates Export(+)/Import(-) of Power						

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of JUNE'2020 (24-6-2020)

(All Figures in MW)

Hrs.	Generation			Import from Captive	Net Import From Hydro of Bhutan	Net Export to other region	Demand Met	Freq. Correction	Load Shed	Requirement
	Hydro	Thermal	Total							
1	4291	18367	22658	636	1986	5127	20153	26	0	20180
2	3997	18096	22093	651	1990	5138	19596	14	0	19611
3	3967	17763	21730	634	1989	4991	19362	14	1	19376
4	4001	17506	21508	637	1990	4981	19154	-3	1	19155
5	3922	17213	21136	724	1980	5142	18698	28	3	18729
6	3815	17202	21017	812	1960	5916	17872	39	3	17915
7	3848	17110	20957	888	1945	6277	17513	3	3	17520
8	3823	16984	20807	968	1933	6232	17476	11	6	17493
9	3789	17150	20939	969	1899	6243	17564	20	2	17585
10	3787	17199	20986	903	1824	6039	17674	34	1	17709
11	3879	17420	21299	854	1815	5976	17991	-11	2	17993
12	3974	17386	21360	920	1832	6171	17940	24	0	17964
13	4012	17404	21416	946	1834	6166	18030	55	0	18086
14	4046	17589	21635	977	1823	6246	18190	46	3	18238
15	4221	17548	21769	1017	1887	6184	18489	23	12	18523
16	4317	17671	21988	1064	1923	6039	18937	7	8	18951
17	4114	18187	22300	1100	1918	6861	18458	42	0	18500
18	3681	17606	21287	1109	1908	6518	17786	-11	0	17787
19	3889	17575	21464	1129	1890	5663	18819	0	0	18819
20	4703	18749	23452	1157	1889	5226	21271	80	139	21491
21	4774	19074	23848	1151	1921	5397	21523	-4	139	21658
22	5121	19251	24372	1159	1943	5641	21832	42	114	21989
23	4866	19262	24127	1132	2048	5734	21574	38	141	21753
24	4688	19188	23875	1122	2108	5566	21539	15	141	21695

Hourly Load Generation Data of ER On Regional Lean Day During The Month of JUNE'2020 (1-6-2020)

(All Figures in MW)

Hrs.	Generation			Import from Captive	Net Import From Hydro of Bhutan	Net Export to other region	Demand Met	Freq. Correction	Load Shed	Requirement
	Hydro	Thermal	Total							
1	3376	16388	19764	1150	1525	4947	17491	-26	35	17500
2	3364	16686	20050	1158	1575	5847	16936	-9	49	16977
3	3103	15536	18639	1161	1559	5197	16162	-16	71	16217
4	2757	14967	17724	1171	1502	4656	15742	-29	58	15771
5	2689	14429	17119	1162	1481	4342	15419	-18	55	15457
6	2929	14391	17320	1175	1464	5370	14588	-34	50	14604
7	2935	14305	17240	1168	1471	5915	13964	-20	42	13986
8	2783	14372	17155	1100	1493	5708	14040	-6	33	14067
9	2434	14390	16824	1066	1492	5084	14297	0	34	14331
10	2248	14804	17052	1012	1512	4349	15226	-20	30	15236
11	2266	14647	16913	973	1472	3790	15569	-14	221	15777
12	2814	15200	18014	939	1483	4714	15722	14	26	15761
13	3195	15474	18669	940	1489	5035	16063	30	28	16121
14	3019	15392	18411	960	1437	4876	15931	-7	35	15959
15	2864	16016	18880	996	1378	5570	15683	4	109	15796
16	2737	16061	18798	1050	1373	6752	14469	-14	42	14497
17	2870	15232	18102	1054	1381	6989	13548	-21	47	13574
18	2521	14663	17184	1102	1388	6457	13218	-13	41	13246
19	2859	14671	17530	968	1376	5313	14562	13	47	14622
20	2691	16838	19529	981	1353	5366	16496	-27	44	16513
21	3174	17228	20402	1129	1381	6093	16819	-10	37	16845
22	3350	17296	20646	1193	1398	6048	17189	6	30	17225
23	3748	18039	21787	1177	1383	6764	17582	49	185	17816
24	3441	18437	21878	1179	1376	7139	17293	14	183	17490

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

FOR THE MONTH OF JUNE'2020

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 7.737 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 5.136 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 13.472 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 Jun-20

D A T E	H O U R S										INST. FREQ.				15 MIN. INTEGRATED			
	00	05	10	17	22	00	<49.9	49.9	>50.05	49.9	MAX	HRS.	MIN	HRS.	MAX	HRS.	MIN	HRS.
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	HZ		HZ		HZ		HZ	
01-Jun	50.03	50.03	50.00	50.01	49.95	50.01	3.10	68.80	28.10	68.80	50.22	06:04:30	49.81	22:15:10	50.14	0:00	49.90	0:00
02-Jun	50.00	50.05	49.98	49.97	49.92	49.99	6.50	73.80	19.70	73.80	50.19	10:03:00	49.76	22:38:20	50.13	0:00	49.82	0:00
03-Jun	49.97	50.01	50.02	49.97	49.97	49.99	6.20	75.20	18.60	75.20	50.25	18:02:40	49.80	17:12:50	50.16	0:00	49.87	0:00
04-Jun	49.99	49.96	50.00	50.00	50.00	49.99	2.69	82.84	14.48	82.84	50.19	19:03:40	49.82	08:36:20	50.11	0:00	49.90	0:00
05-Jun	50.04	50.00	50.01	50.00	50.04	50.02	2.14	67.34	30.52	67.34	50.27	13:02:10	49.81	21:10:40	50.21	0:00	49.89	0:00
06-Jun	50.02	50.02	49.97	50.01	49.98	50.00	3.62	74.84	21.54	74.84	50.19	10:02:40	49.82	13:57:00	50.15	0:00	49.90	0:00
07-Jun	50.01	50.07	50.04	49.97	49.99	50.02	1.34	65.54	33.12	65.54	50.22	08:00:20	49.83	17:24:30	50.16	0:00	49.93	0:00
08-Jun	49.97	49.98	49.97	49.96	49.94	49.96	12.57	77.69	9.25	77.69	50.18	19:00:59	49.74	22:13:19	50.06	0:00	49.84	0:00
09-Jun	50.00	50.00	49.94	49.94	49.93	49.96	13.90	77.70	8.40	77.70	50.16	19:02:40	49.63	22:12:50	50.07	0:00	49.78	0:00
10-Jun	49.96	49.96	50.02	50.02	49.96	49.99	5.30	78.30	16.40	78.30	50.22	19:03:50	49.78	08:18:50	50.15	0:00	49.90	0:00
11-Jun	50.01	50.01	50.00	50.00	50.03	50.01	1.50	79.20	19.30	79.20	50.20	06:03:40	49.81	11:59:50	50.09	0:00	49.93	0:00
12-Jun	50.01	49.99	49.99	50.00	50.03	50.00	3.40	81.60	15.00	81.60	50.16	13:03:40	49.75	19:15:30	50.09	0:00	49.87	0:00
13-Jun	50.00	50.01	50.02	50.01	50.00	50.01	1.20	77.40	21.40	77.40	50.24	13:08:20	49.85	06:13:30	50.19	0:00	49.92	0:00
14-Jun	50.03	50.04	50.03	50.01	50.01	50.02	0.90	63.80	35.30	63.80	50.20	07:51:00	49.83	21:30:50	50.15	0:00	49.95	0:00
15-Jun	50.02	49.98	49.99	50.00	50.00	50.00	3.10	77.70	19.20	77.70	50.17	18:02:10	49.83	21:11:10	50.10	0:00	49.88	0:00
16-Jun	50.00	50.01	49.98	50.00	50.00	49.99	2.30	83.00	14.70	83.00	50.15	18:01:00	49.81	20:43:50	50.09	0:00	49.91	0:00
17-Jun	49.97	49.98	50.00	50.01	50.01	49.99	3.30	82.30	14.40	82.30	50.19	13:01:00	49.86	07:20:40	50.11	0:00	49.88	0:00
18-Jun	50.00	50.00	50.02	50.01	50.00	50.01	1.60	77.50	20.90	77.50	50.17	13:02:30	49.76	14:16:30	50.10	0:00	49.92	0:00
19-Jun	50.00	49.99	50.01	50.01	50.00	50.00	2.90	78.80	18.30	78.80	50.21	18:03:00	49.79	21:09:30	50.11	0:00	49.83	0:00
20-Jun	50.00	50.05	50.01	49.99	49.96	50.01	4.10	70.70	25.20	70.70	50.23	10:02:40	49.85	19:11:50	50.17	0:00	49.89	0:00
21-Jun	50.03	50.07	50.06	49.98	50.03	50.04	0.80	56.00	43.30	56.00	50.31	09:56:20	49.81	19:47:50	50.04	0:00	49.90	0:00
22-Jun	50.00	49.99	49.97	49.96	49.96	49.98	7.14	83.24	9.62	83.24	50.14	13:01:50	49.81	13:46:30	50.04	0:00	49.88	0:00
23-Jun	49.95	49.97	49.98	49.96	49.96	49.97	10.40	84.10	5.50	84.10	50.14	13:01:50	49.81	13:46:30	50.04	0:00	49.88	0:00
24-Jun	49.98	49.97	49.96	49.97	49.97	49.97	12.10	81.30	6.60	81.30	50.13	06:04:00	49.79	19:47:10	50.05	0:00	49.87	0:00
25-Jun	50.00	50.02	49.98	50.01	50.01	50.00	2.20	85.40	12.40	85.40	50.15	06:03:30	49.81	15:42:10	50.08	0:00	49.86	0:00
26-Jun	50.00	50.01	49.99	50.00	50.00	50.00	0.90	86.40	12.70	86.40	50.16	08:02:40	49.79	15:48:00	50.10	0:00	49.90	0:00
27-Jun	50.00	50.03	49.98	50.00	49.97	50.00	3.80	77.10	19.10	77.10	50.16	16:03:40	49.82	23:06:10	50.11	0:00	49.89	0:00
28-Jun	49.99	50.01	50.00	50.01	50.03	50.00	3.14	75.00	21.86	75.00	50.16	18:01:40	49.84	12:38:20	50.11	0:00	49.88	0:00
29-Jun	50.00	49.95	49.98	50.00	49.98	49.98	6.70	80.80	12.50	80.80	50.19	13:02:30	49.77	05:50:10	50.10	0:00	49.84	0:00
30-Jun	49.99	50.00	49.99	49.94	49.98	49.98	6.00	84.00	10.00	84.00	50.12	06:03:40	49.79	19:38:40	50.06	0:00	49.86	0:00
MAX	50.04	50.07	50.06	50.02	50.04	50.04	13.90	86.40	43.30	86.40	50.31		49.86		50.25		49.95	
MIN	49.95	49.95	49.94	49.94	49.92	49.96	0.80	56.00	5.50	56.00	50.12		49.63		50.04		49.78	
AVG	50.00	50.00	50.00	49.99	49.99	50.00	4.49	76.91	18.58	76.91	50.19		49.80		50.12		49.88	

SUMMARY:

Avg. Frequency : **50.0 Hz.**

Instantaneous Frequency :

Maximum Frequency : 50.31 Hz at 09:56 Hrs.
Minimum Frequency : 49.63 Hz at 22:12 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.25 Hz On 00/01/00 at 00:00 Hrs.
Minimum Frequency : 49.78 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	4.49	76.91	18.58

VOLTAGE ANALYSIS

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

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	424	407	421	396	420	384	420	397

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	417	387	418	402	415	401	426	408

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
Jun-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	
			(30-06-20)	(30-06-19)		
Hirakud	192	180	184.68	182.48	186.04	01.06.20
Balimela	462	439	445.47	443.67	447.20	01.06.20
Rengali	123	109	112.56	110.59	112.50	01.06.20
Upperkolab	858	844	848.84	846.16	849.46	01.06.20
Indravati	642	625	631.82	628.40	632.44	01.06.20
Subernrekha	590	580	585.00	584.48	584.30	01.06.20

B.

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

(All figs. are in MU)

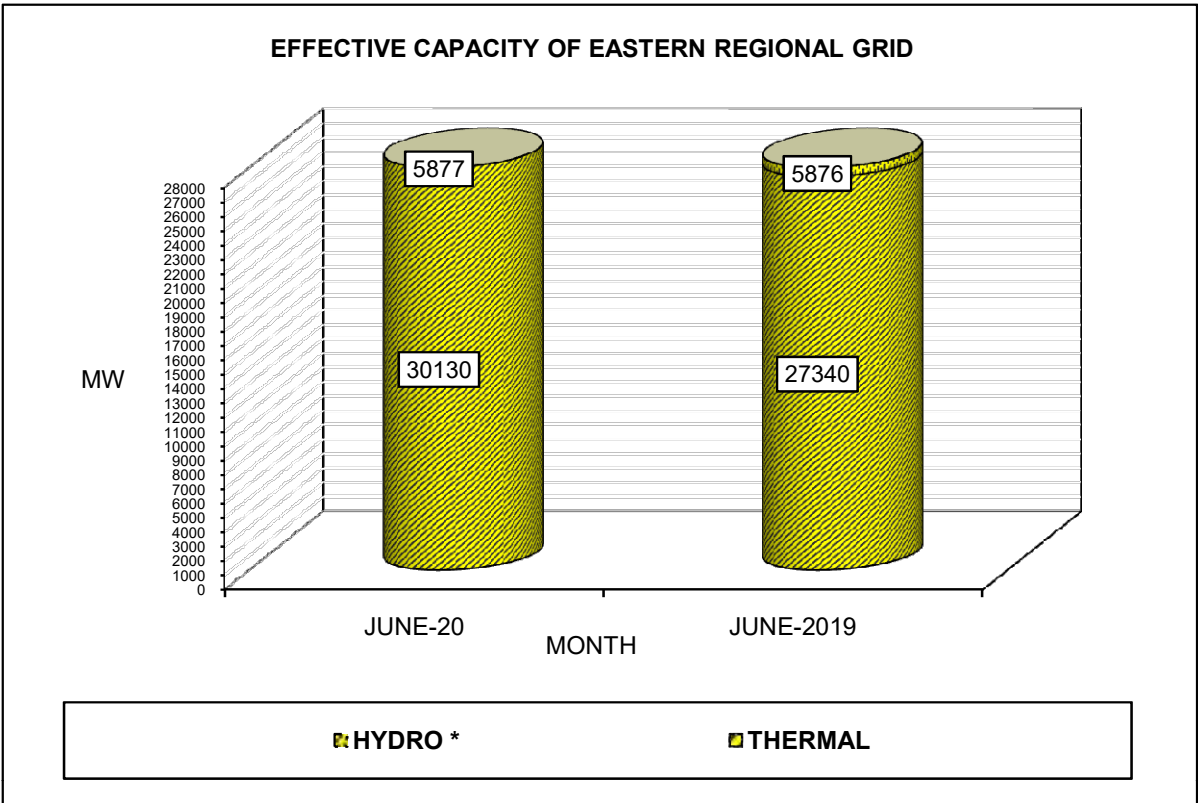
System	Tata Power	Crescent Power	JSPL, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	42.81
West Bengal	42.59	24.42	0	0	0	0	0	16.59	83.60
ODISHA	0	0	39.65	278.02	0.21	10.45	0	304.49	632.82
DVC	0	0	0	0	0	0	12.35	0	12.35
TOTAL	42.59	24.42	39.65	278.02	0.21	10.45	12.35	321.08	771.57

C.

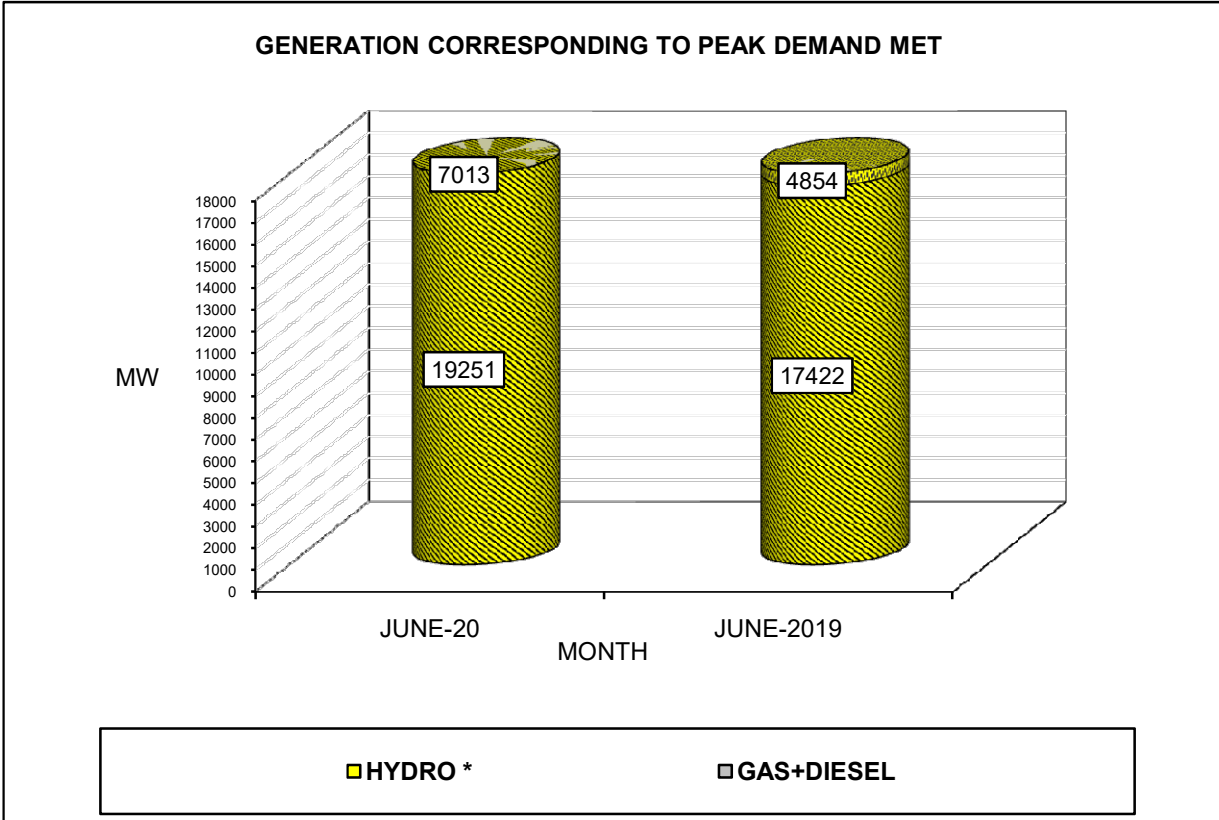
Distribution of Schedule Supply among Key Customers by IPPs during Jun-20

(All figs. are in MU)

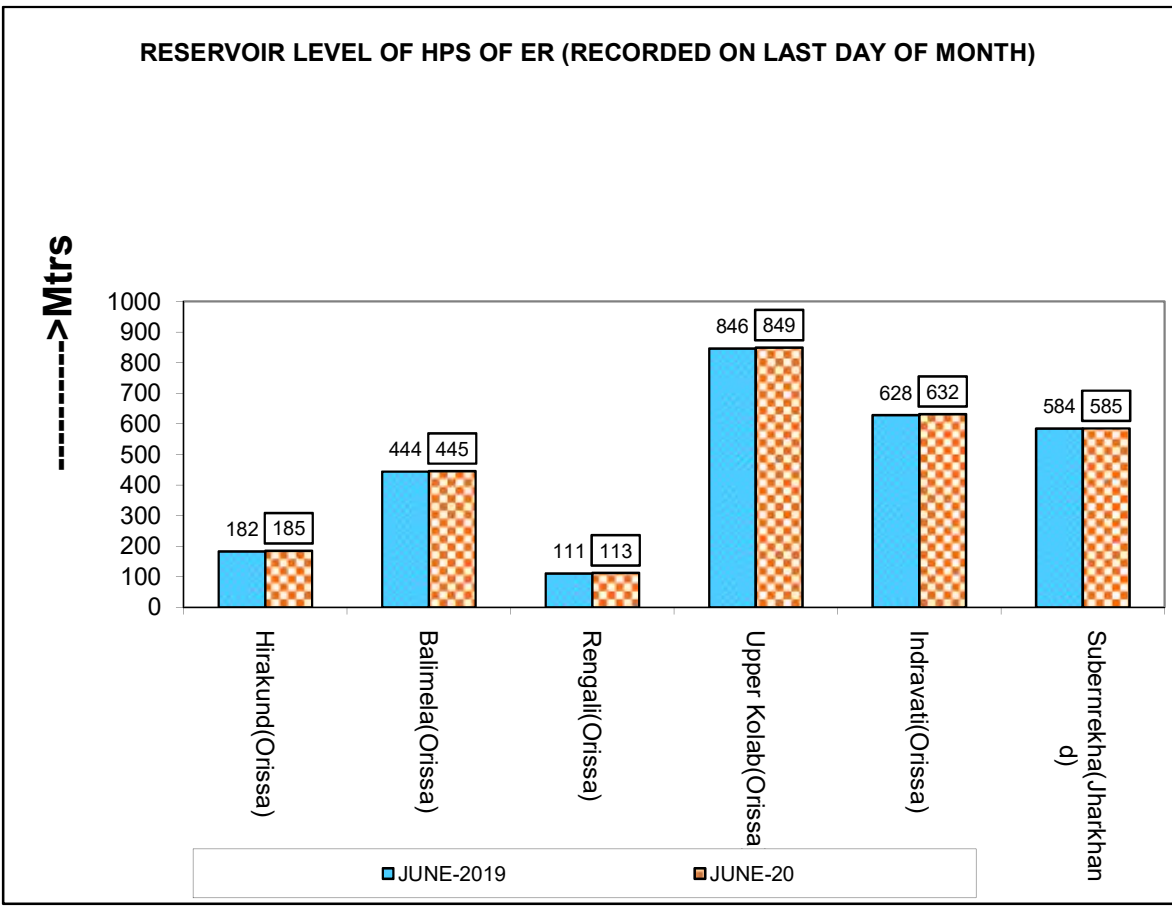
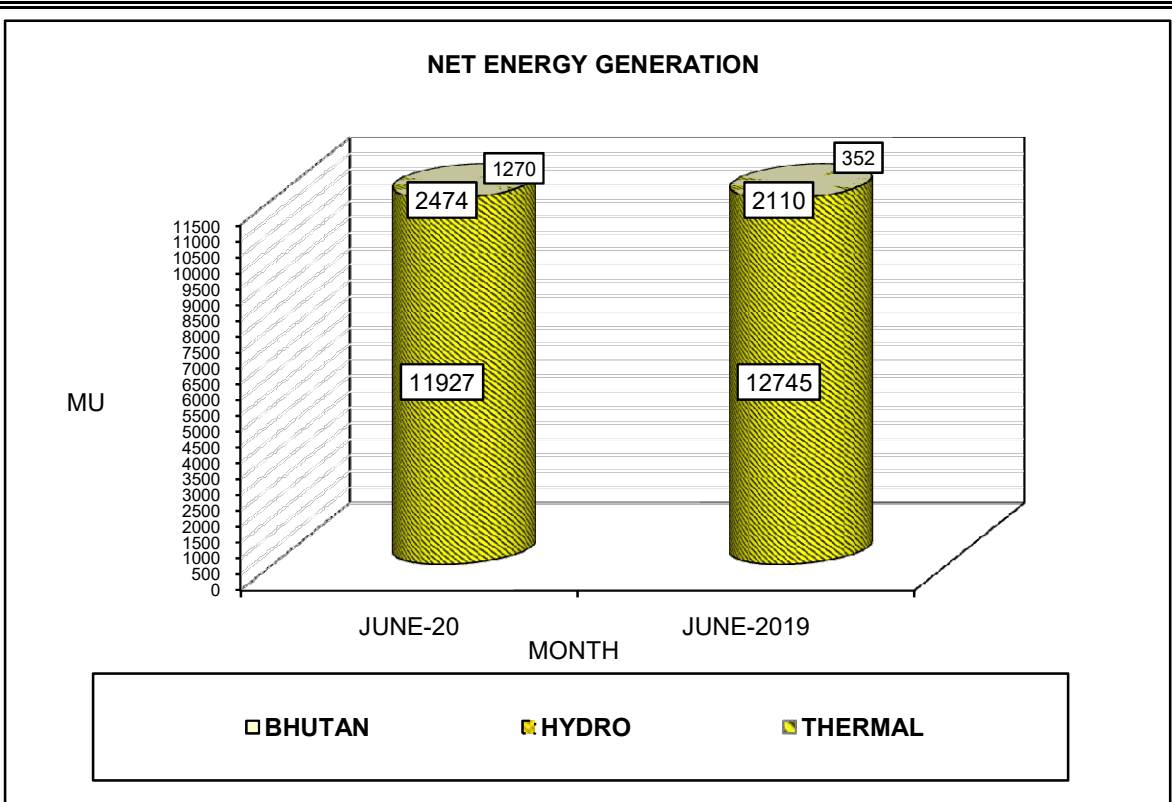
IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	146.54	143.11	29.83	0.00	0	0	149.44	468.92
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	38.00	0	0.05	0.00	103.00	54.00	195.05
Total	146.54	181.11	29.83	0.05	0.00	103.00	203.44	663.97



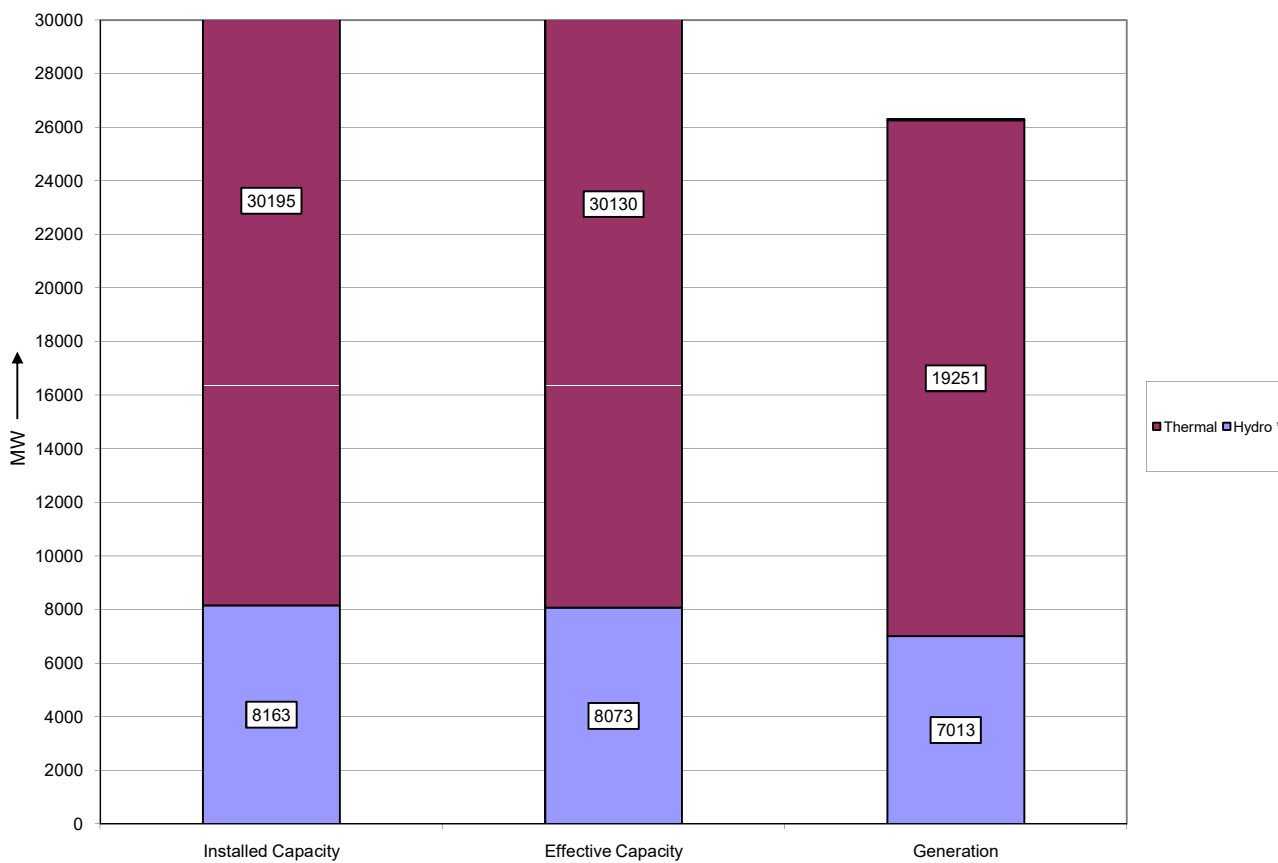
*Excludes contribution from HEPs of Bhutan



*Includes contribution from HEP of Bhutan

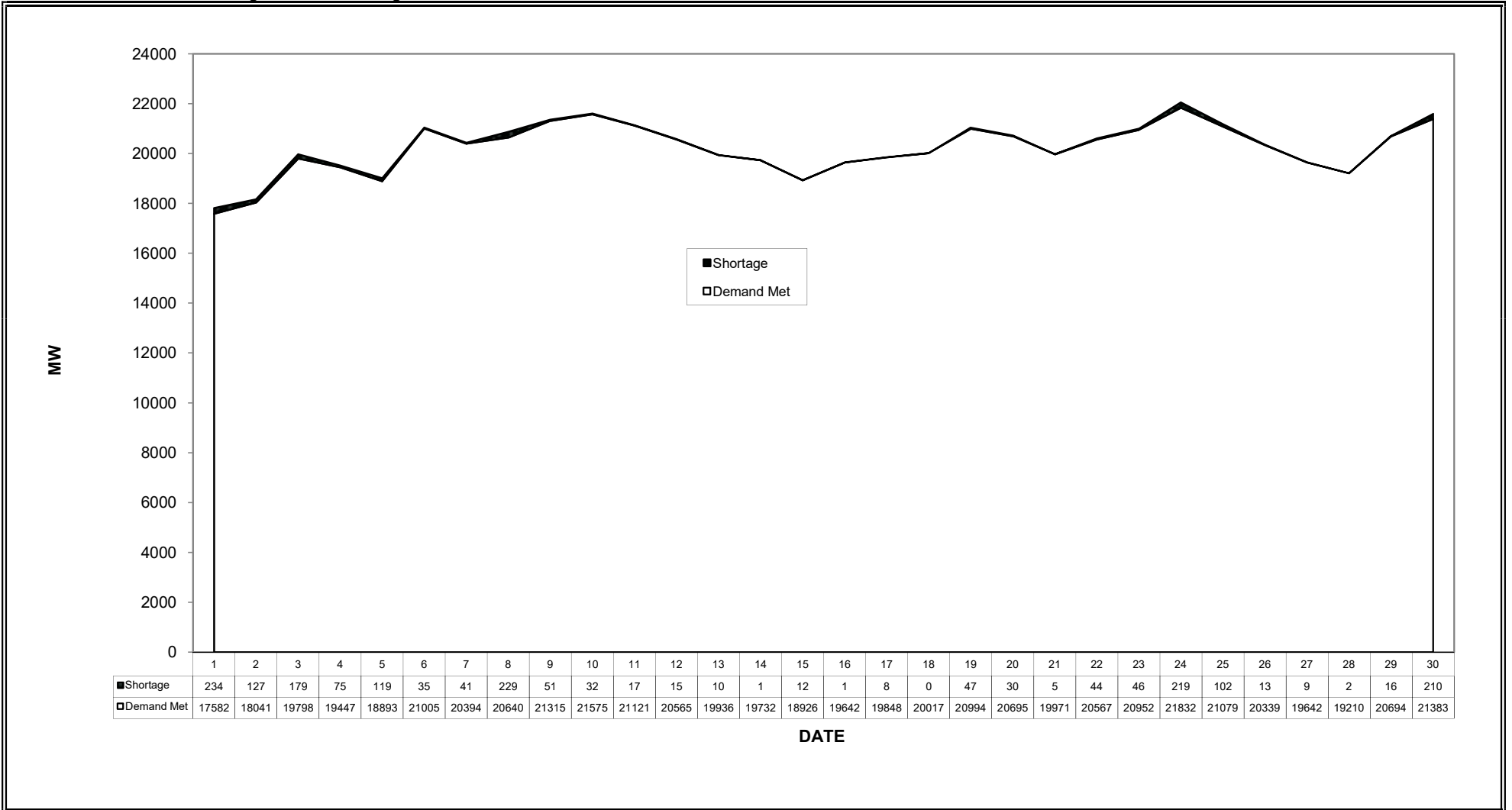


Capacity / Actual Generation Pattern of ER on Peak Day (24-6-2020) at 22.00 hrs.

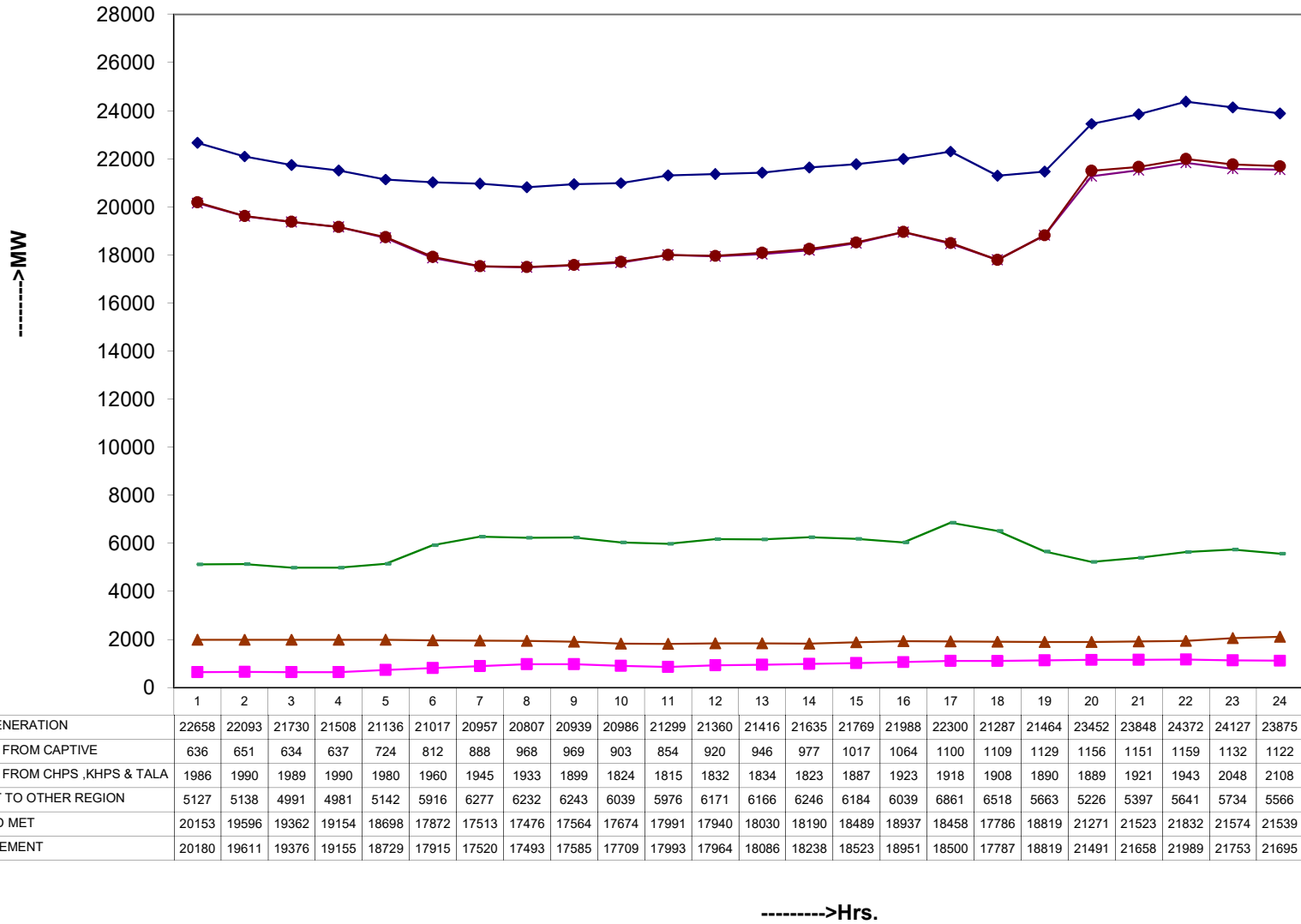


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

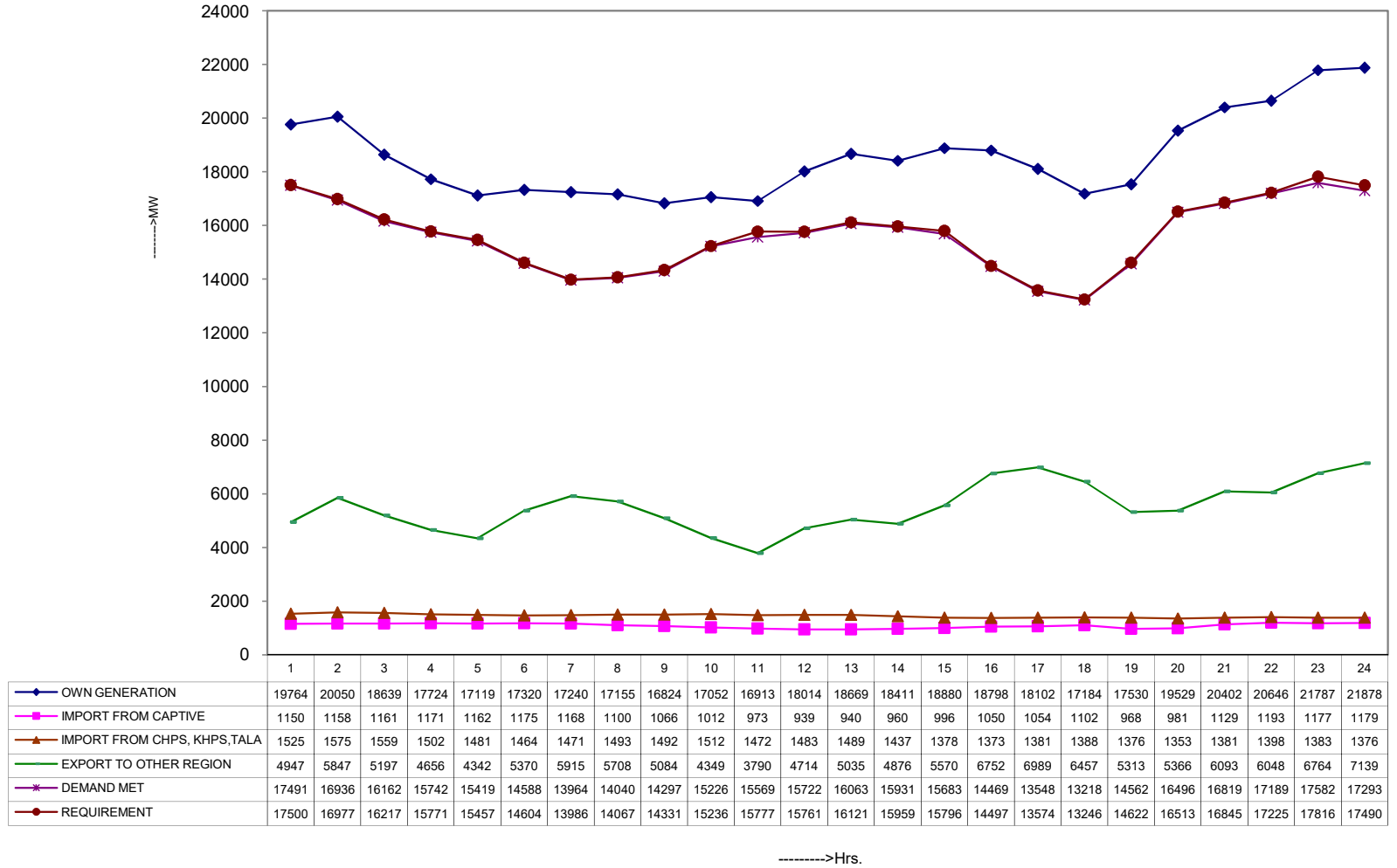
Peak Demand Met / Shortage of Eastern Region For The Month Of JUNE'2020



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of JUNE'2020 (24-6-2020)

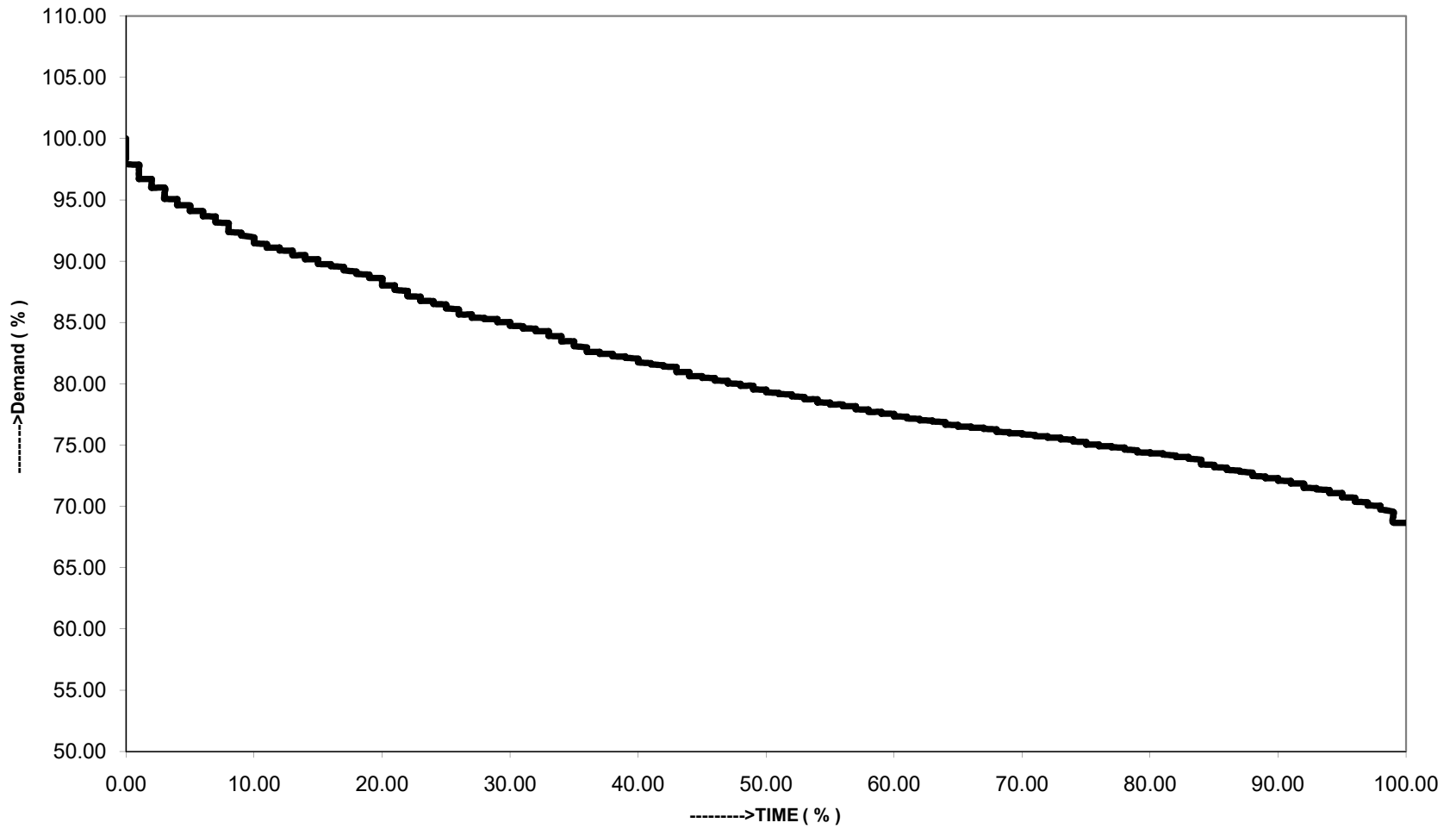


Hourly Load Generation Data of ER On Regional Lean Day During The Month of JUNE'2020 (1-6-2020)



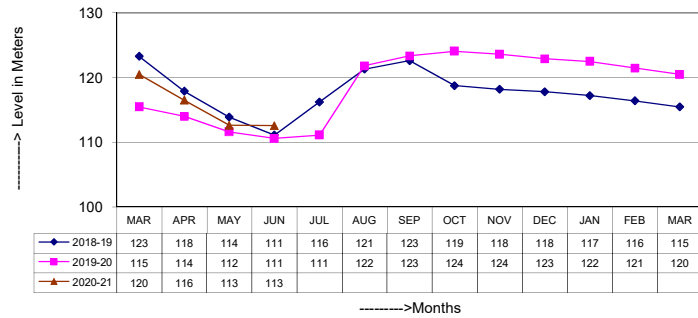
Monthly Load Duration Curve of Eastern Region for JUNE-20

Maximum Demand met : 21832 MW
Minimum Demand met: 13218 MW

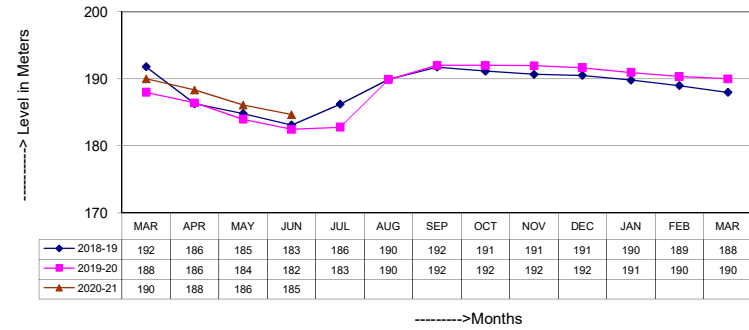


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

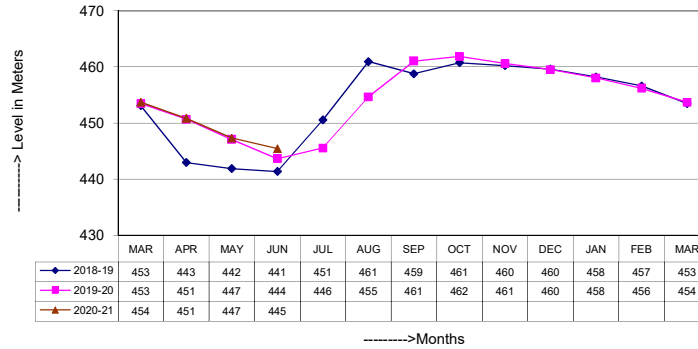
RENGALI RESERVOIR LEVEL



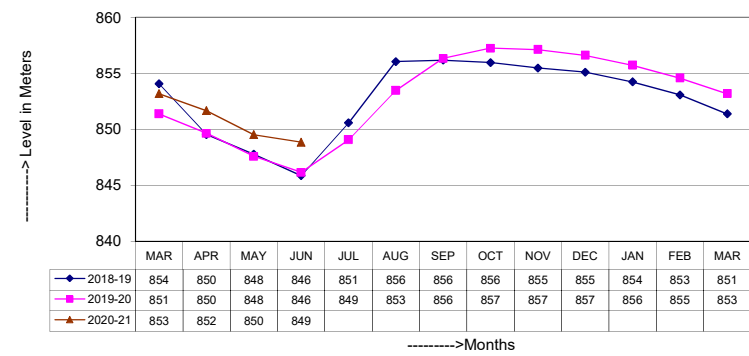
HIRAKUD RESERVOIR LEVEL



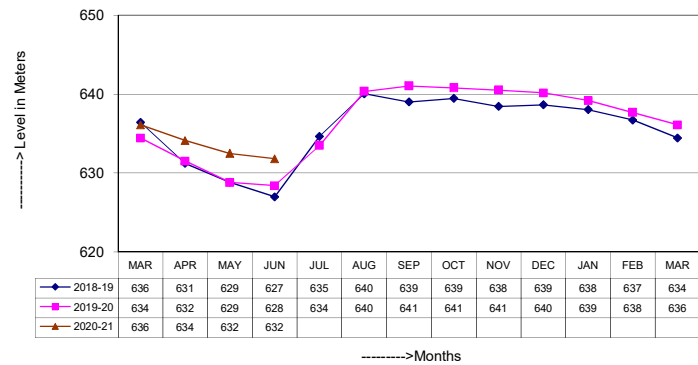
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

