

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

75
Azadi Ka
Amrit Mahotsav



Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033

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सं/No: ERPC/MS/Reporting/MPR/2022-23/ 588

दिनांक/Date: 29.07.2022

01.08.2022

सेवा में : (संलग्न सूची के अनुसार)

To: As per enclosed list.

विषय : जून, 2022 माह की ईआरपीसी की मासिक प्रगति रिपोर्ट ईआरपीसी की वेबसाइट पर अपलोड - के संबंध में

Subject: Upload of Monthly Progress Report of ERPC for the month of June, 2022 on ERPC website.

महोदय / Sir ,

पूर्वी क्षेत्रीय विद्युत समिति की जून, 2022 माह की मासिक प्रगति रिपोर्ट ईआरपीसी की वेबसाइट www.erpc.gov.in पर अपलोड कर दी गई है। यह आपकी जानकारी के लिए है।

Monthly Progress Report of Eastern Regional Power Committee for the month of June, 2022 has been uploaded on ERPC website www.erpc.gov.in. This is for your information please.

संलग्नक : यथोपरी।

Encl. – As above.

भवदीय / Yours faithfully


(Swapn Roy)

अधीक्षक अभियंता

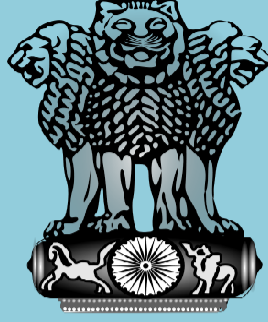
Superintending Engineer

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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 - 2022

JUNE-2022



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Highlights of Eastern Regional Power System for June- 2022

- The **Maximum Net Demand** met of **Eastern Region (ER)** during the month of **Jun, 2022** was **26196 MW** which is 11.50% more than the **Jun, 2021** (23494 MW). Individual **Peak Demand (MW)** of all the constituents **increased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Jun, 2022** was **547.72 MU** (excluding export), which is 18.54% more than the corresponding period of last year (462.07 MU).
- **The Average regional PLF of thermal units during the month is 75.59 %**, which is 4.98% more than the corresponding period of the last year (**70.61%**).
Santaldih TPS (WBPDCL) registered the highest PLF of 101.15%, followed by Southern TPS (CESC) 99.80% and MPL (IPP) 93.35% during the month of **Jun, 2022**.
- **Maximum Net generation** was **30844.31 MW** against total **Effective Capacity of 41963.41 MW** (including import from Bhutan). At the time of Regional peak (**26196 MW** on 08.06.2022 at 24.00 hrs.), the generation was **29732 MW**, import from CPP was 1674 MW and Net export was 5210 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 73.37% of time during the month. **Average frequency** for the month was **49.98 Hz**. The instantaneous maximum and minimum frequency were 50.36 Hz and 49.48 Hz, respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.28 Hz** and **49.60 Hz** respectively (**refer Annexure-I**).
- **At 400 kV voltage level**, the **maximum Voltage** recorded was 419 KV at Biharshariff 400 KV S/s whereas the minimum voltage recorded 387 KV at Muzaffarpur 400 KV S/s of Power grid.
- **The Maximum Export from ER to outside region was 10721 MW (including Nepal and Bangladesh) on 19th Jun, 2022 at 06:00 hrs. Total net energy export during the month was 4197.69 MU (Inc.Transmission loss) which corresponds to 21.46 % of Ex-bus total generation 19557.28 MU of Eastern Region.**
- **The import from CPPs was 1072.08 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	6887	0	3427.37
WR	1456	3737	-1114.09
SR	3048	0	1295.40
NER	1095	1147	106.09
BANGLADESH			671.95
NEPAL (via-CTU)			-189.03
Chukha, Kurichu, Tala			0
Total			4197.69
NEPAL by Bihar(NBPDCL)			11.32

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Jun-22	JUNE-2021	CHANGE	% CHANGE
1) Effective Capacity (end of the Month)					
THERMAL	(MW)	32260	29460	2800	9.50
HYDRO	(MW)	5990	\$ 5877	113	2
DIESEL	(MW)	0	0	0	0
RES	(MW)	1518	1518	0	0
TOTAL	(MW)	39767	36855	2913	7.90
2) Peak Demand (MW)		26730	23521	3209	13.64
3) Peak Demand Met (MW)		26196	23494	2702	11.50
4) Shortage (MW)		534	28	506	0.00
5) % Shortage		2.00	0.12	1.88	0.00
6) Average Energy Requirement Per Day (MU)		553.79	462.84	90.95	19.65
7) Average Energy Availability Per Day (MU)		547.72	462.07	85.65	18.54
8) Average Shortage Per Day (MU)		6.07	0.77	5.30	--
9) % Shortage		1.10	0.17	0.93	--
10) Net Generation for the Month					
Thermal (MU)		16285.33	13895.18	2390.15	17.20
Hydro (MU)		3181.45	* 3464.65	-283.20	-8.17
RES (MU)		90.50	78.70	0.00	-
Total (MU)		19557.28	17438.53	2118.75	12.15
11) Generation at the Time of Max. Regional Demand Met (08-06-22 at 24.00 Hrs.)					
Thermal (MW)		24131	22660	1471	6.49
Hydro (MW)		5594	* 5702	-108	-1.90
RES(MW)		8	26	-18	-69.85
Total (MW)		29732	28388	1344	4.73
12) Inter-Regional Energy Transfer					
Export (MU)		5500.81	5641.48	-140.67	-2.49
Import (MU)		1303.12	951.57	351.55	36.94
Net Exp.(+)/Net Imp.(-) (MU)		4197.69	4689.91	-492.22	-10.50
13) Import From Captive(MU)		1072.08	1113.49	-41.41	-3.72
14) Peak Inter Regional Power Transfer					
Max Export (MW) on 19-06-22 at 06.00Hrs		10721	11053	-332	-3.00
Max Import (MW) on 13-06-22 at 16.00Hrs		4211	3638	573	15.75
Max Net Export(+)/Import (-) (MW)		9608	11053	-1445	-13.08
15) Maximum voltage recorded		419	BIHARSHARIFF	400 kv s/s	
16) Minimum voltage recorded		387	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)

POWER SUPPLY POSITION FOR THE MONTH OF JUNE'2022

A) Net Average Energy Per Day

System	Requirement Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	123.29	125.61	2.32	1.84
JUVNL	31.73	35.09	3.36	9.59
DVC	73.75	73.81	0.06	0.09
ODISHA	130.65	130.76	0.11	0.09
WBSEDCL	149.60	149.94	0.33	0.22
CESC	36.98	37.01	0.03	0.09
SIKKIM	1.57	1.57	0.00	0.09
REGION	547.72	553.79	6.07	1.10

B) Peak Demand in MW:

System	Demand Met (MW)	Demand (MW)	Shortage (MW)	% Shortage
BSPHCL	6308	6831	523	7.66
JUVNL	1615	1895	280	14.75
DVC	3350	3355	5	0.16
ODISHA	6378	6427	49	0.76
WBSEDCL	7630	7630	0	0.00
CESC	2230	2230	0	0.0
SIKKIM	98	98	0	0.00
REGION	26196	26730	534	2.00

➤ **DIVERSITY FACTOR : 1.05**

➤ **Regional Peak Demand Met on 8-6-2022 at 24.00 hrs. at 50.01 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA JUNE-2022

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													
																			Met (MW)	Met (MW)					
BSPHCL	0.00	327.21	19.74	346.95	0.00	31.99	0.00	31.99	0.00	295.22	19.74	314.96	0.00	3383.78	3698.74	123.3	6308	6354							
JUVNL	4.07	200.27	0.00	204.34	0.00	23.54	0.00	23.54	4.07	176.73	0.00	180.81	39.62	731.49	951.92	31.7	1615	1652							
DVC	6.72	3676.85	0.00	3683.57	0.14	262.82	0.00	262.96	6.58	3414.03	0.00	3420.62	13.02	-1221.11	2212.52	73.8	3350	3712							
ODISHA(OPGC+OHPC+TTPS)	199.68	1024.27	52.09	1276.04	1.78	73.12	0.00	74.90	197.90	951.15	52.09	1201.14	728.41	1989.95	3919.49	130.6	6378	6492							
WBPDC+WBSEDCL+DPL	174.34	2593.38	15.57	2783.28	0.00	236.00	0.00	236.00	174.34	2357.38	15.57	2547.28	291.04	1649.81	4488.13	149.6	7630	8003							
CESC	0.00	551.00	0.00	551.00	0.00	45.20	0.00	45.20	0.00	505.80	0.00	505.80	0.00	603.63	1109.43	37.0	2230	2300							
HEL	0.00	333.14	0.00	333.14	0.00	27.10	0.00	27.10	0.00	306.04	0.00	306.04	0.00	-306.04											
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	44.97	46.97	1.6	98	98							
NTPC	0.00	7109.84	1.10	7110.93	0.00	476.58	0.00	476.58	0.00	6633.26	1.10	6634.35	0.00	-6634.35											
MPL	0.00	705.71	0.00	705.71	0.00	38.73	0.00	38.73	0.00	666.98	0.00	666.98	0.00	-666.98											
APNRL	0.00	358.28	0.00	358.28	0.00	29.00	0.00	29.00	0.00	329.28	0.00	329.28	0.00	-329.28											
GMR	0.00	340.92	0.00	340.92	0.00	25.81	0.00	25.81	0.00	315.11	0.00	315.11	0.00	-315.11											
JITPL	0.00	337.17	0.00	337.17	0.00	2.82	0.00	2.82	0.00	334.35	0.00	334.35	0.00	-334.35											
NHPC (Inc TLDP= 185.2MU)	569.81	0.00	0.00	569.81	0.00	0.00	0.00	0.00	569.81	0.00	0.00	569.81	0.00	-569.81	0.00										
CHUZACHEN HPS	71.91	0.00	0.00	71.91	0.00	0.00	0.00	0.00	71.91	0.00	0.00	71.91	0.00	-71.91	0.00										
DIKCHU HPS	73.91	0.00	0.00	73.91	0.00	0.00	0.00	0.00	73.91	0.00	0.00	73.91	0.00	-73.91	0.00										
JORHANG HPS	59.36	0.00	0.00	59.36	0.00	0.00	0.00	0.00	59.36	0.00	0.00	59.36	0.00	-59.36	0.00										
TASHIDING HPS	61.98	0.00	0.00	61.98	0.00	0.00	0.00	0.00	61.98	0.00	0.00	61.98	0.00	-61.98	0.00										
TEESTA-III HPS	831.11	0.00	0.00	831.11	0.00	0.00	0.00	0.00	831.11	0.00	0.00	831.11	0.00	-831.11	0.00										
RONGNICHU HEP	67.99	0.00	0.00	67.99	0.00	0.00	0.00	0.00	67.99	0.00	0.00	67.99	0.00	-67.99	0.00										
CHPC(Birpara Receipt)	242.00	0.00	0.00	242.00	0.00	0.00	0.00	0.00	242.00	0.00	0.00	242.00	0.00	-242.00	0.00										
KHPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
THPS	386.59	0.00	0.00	386.59	0.00	0.00	0.00	0.00	386.59	0.00	0.00	386.59	0.00	-386.59	0.00										
DAGACHU HPS	53.33	0.00	0.00	53.33	0.00	0.00	0.00	0.00	53.33	0.00	0.00	53.33	0.00	-53.33	0.00										
Mangdechhu HEP	380.58	0.00	0.00	380.58	0.00	0.00	0.00	0.00	380.58	0.00	0.00	380.58	0.00	-380.58	0.00										
Total Drawal by HVDC Sahsaram,Alipurduar & Kuruchhu HEP																									
Total	3183.38	17558.04	90.50	20831.91	1.92	1272.70	0.00	1274.63	3181.45	16285.33	90.50	19557.29	1072.08	-4197.70	16431.67	547.72	26196	27180							

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

A) Net Average Energy

Month	2021-22					2022-23				
	Requirement Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	Shortage (%)	Avg. Freq. (HZ)	Requirement Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	Shortage (%)	Avg. Freq. (HZ)
APRIL	495.89	497.87	1.98	0.40	49.99	542.68	555.15	12.46	2.25	49.93
MAY	429.83	430.89	1.06	0.25	49.99	519.86	524.87	5.02	0.96	49.99
JUNE	462.07	462.84	0.77	0.17	49.99	547.72	553.79	6.07	1.10	49.98
JULY	498.44	500.02	1.57	0.31	50.00	-	-	-	-	-
AUGUST	501.37	505.13	3.76	0.74	49.99	-	-	-	-	-
SEPTEMBER	485.60	489.40	3.80	0.78	50.00	-	-	-	-	-
OCTOBER	453.17	458.67	5.51	1.20	49.98	-	-	-	-	-
NOVEMBER	388.80	390.35	1.55	0.40	49.99	-	-	-	-	-
DECEMBER	384.67	388.30	3.63	0.94	49.99	-	-	-	-	-
JANUARY	409.39	412.33	2.94	0.71	49.99	-	-	-	-	-
FEBRUARY	409.74	412.62	2.87	0.70	49.99	-	-	-	-	-
MARCH	474.37	479.88	5.51	1.15	49.97	-	-	-	-	-

B) Peak in MW:

Month	2021-22					2022-23				
	Demand Met (MW)	Demand (MW)	Shortage (MW)	Shortage (%)	Avg. Freq. (HZ)	Demand Met (MW)	Demand (MW)	Shortage (MW)	Shortage (%)	Avg. Freq. (HZ)
APRIL	24405	24405	0	0.00	49.99	25690	25735	45	0.17	49.93
MAY	24191	24191	0	0.00	49.99	25070	25369	299	1.18	49.99
JUNE	23494	23521	28	0.12	49.99	26196	26730	534	2.00	49.98
JULY	25145	26019	874	3.36	50.00	-	-	-	-	-
AUGUST	24157	24236	79	0.33	49.99	-	-	-	-	-
SEPTEMBER	25010	25454	445	1.75	50.00	-	-	-	-	-
OCTOBER	23675	23979	304	1.27	49.98	-	-	-	-	-
NOVEMBER	20961	20998	37	0.18	49.99	-	-	-	-	-
DECEMBER	20631	20992	362	1.72	49.99	-	-	-	-	-
JANUARY	21204	21396	191	0.89	49.99	-	-	-	-	-
FEBRUARY	21198	21540	342	1.59	49.99	-	-	-	-	-
MARCH	24582	24762	180	0.73	49.97	-	-	-	-	-

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF JUNE -2022

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 (2022-23) in MU	Cummulative Net Energy Generation upto Current Month (2022-23) in MU
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	11.99	8.17	32.47	25.82
	Thermal	Barauni (U# 8)	250.00	250.00	166.17	152.61	401.21	366.63
		Barauni (U# 9)	250.00	250.00	149.05	134.43	432.67	388.57
	(Dedicated for Bihar)	Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	0.00
		Thermal Total	940.00	930.00	327.21	295.22	866.35	781.02
	RES		354.91	354.91	19.74	19.74	58.86	58.86
		Total BIHAR		1294.91	1284.91	346.95	314.96	925.21
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	200.27	176.73	652.30	584.69
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	4.07	4.07	4.07	4.07
	RES		60.41	60.41	0.00	0.00	0.00	0.00
		Total	190.41	190.41	4.07	4.07	4.07	4.07
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	-0.39	0.00	-1.62
		Chandrapura(U7 # 8)	500.00	500.00	266.51	239.90	827.69	745.35
		Durgapur(4)	210.00	210.00	31.38	25.51	110.91	92.83
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	688.84	612.40	2337.10	2082.35
		Mejia(U # 7,8)	1000.00	1000.00	585.11	551.87	1862.23	1758.63
		Bokaro-A(1)	500.00	500.00	335.93	317.34	976.15	921.80
		Durgapur STPS (U#1,2)	1000.00	1000.00	625.78	592.04	1863.93	1762.96
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	539.94	506.62	1509.90	1412.77
		Koderma STPS (U#1,2)	1000.00	1000.00	603.36	568.75	1914.99	1808.32
		Total Thermal	6750.00	6750.00	3676.85	3414.03	11402.89	10583.40
	Hydro	Maithon (U#1,2,3)	63.20	63.20	1.73	1.70	28.28	28.19
		Panchet (U#1,2)	80.00	80.00	5.00	4.89	19.69	19.35
		Tilaiya (U#1,2)	4.00	4.00	0.00	0.0	0.00	0.0
		Hydro Total	147.20	147.20	6.72	6.58	47.97	47.51
	Total DVC	6897.20	6897.20	3683.57	3420.62	11450.86	10630.90	
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	320.00	275.00	102.12	90.56	410.21	367.60
		Santalalih TPS(U#5&6)	500.00	500.00	364.12	334.36	1043.37	956.81
		Kolaghat TPS	840.00	840.00	360.45	316.66	1030.56	905.43
		Bakreswar TPP	1050.00	1050.00	639.18	583.01	2021.90	1844.64
		Sagardighi TPP	1600.00	1600.00	938.08	864.51	2788.58	2570.36
		DPPS (300+250 *)	550.00	550.00	189.43	168.28	631.36	565.47
		Thermal Total	4860.00	4815.00	2593.38	2357.37	7925.98	7210.32
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	14.96	14.96	47.38	47.38
		Rammam (4x12.73)	51.00	51.00	27.49	27.49	50.93	50.93
		Teesta C.F. (3x3x7.5)	67.50	67.50	9.66	9.66	29.45	29.45
		Purulia PSS (4x225)	900.00	900.00	122.22	122.22	343.70	343.70
		Total Hydro	1053.50	1053.50	174.34	174.34	471.45	471.45
		RES	500.76	500.76	15.57	15.57	43.33	43.33

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF JUNE -2022

ORGANISATION	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 (2022-23) in MU	Cummulative Net Energy Generation upto Current Month (2022-23) 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	97.00	89.04	281.68	257.70
		Budge-Budge (3x250)	750.00	750.00	454.00	416.76	1463.38	1347.23
		Total CESC	1125.00	1125.00	551.00	505.80	1745.06	1604.92
HEL	Thermal	HEL	600.00	600.00	333.14	306.04	1167.93	1075.94
		Total West Bengal	8139.26	8094.26	3667.43	3359.12	11353.75	10405.96
OPGC	Thermal	IB TPS	420.00	420.00	247.55	218.46	773.37	684.35
		IB TPS U#3(660 MW)	660.00	660.00	359.20	338.84	1223.52	1151.20
		IB TPS U#4(660 MW)	660.00	660.00	417.52	393.85	746.07	703.45
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	20.47	20.24	113.11	112.45
		Hirakud-II (Chiplima)	72.00	72.00	17.31	17.27	77.12	76.91
		Balimela (6x60+2x75)	510.00	510.00	107.16	106.54	367.37	365.34
		Rengali (5x50)	250.00	250.00	9.25	9.15	160.25	159.95
		Upper Kolab (4x80)	320.00	320.00	7.74	7.72	90.36	90.08
		Indravati HPS (4x150)	600.00	600.00	18.68	17.91	90.98	88.60
		Mckd.(Odisha drawal)	57.38	57.38	19.07	19.07	57.21	57.21
		Total Hydro	2084.88	2084.88	199.68	197.90	956.40	950.53
		RES	539.57	539.57	52.09	52.09	188.42	188.42
		Total Odisha	4364.45	4364.45	1276.04	1201.14	3887.78	3677.95
(**) SIKKIM	Hydro	RES	52.18	52.18	2.00	2.00	4.00	4.00
NTPC		MTPS Stg-II	390.00	390.00	232.04	208.93	761.81	688.05
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	929.55	856.24	2423.04	2227.15
		FSTPP (U# 6)	500.00	500.00	189.64	176.38	858.48	801.23
		KhSTPP (4x210+3x500)	2340.00	2340.00	1406.09	1309.10	4305.81	4001.45
		TSTPP (2x500)	1000.00	1000.00	628.33	581.66	1939.53	1796.27
		BARH STPS II (2X660)	1320.00	1320.00	793.87	750.75	2546.93	2413.68
		BARH STPS I (1X660)	660.00	660.00	428.88	402.48	1199.67	1124.35
		BRBCL # 1,2,3,4(4X250 MW)	1000	1000	629.10	581.32	1855.98	1713.20
		BRBCL # 4 infirm			0.00	0.00	0.00	0.00
		NSTPS U# I&2	1980.00	1980.00	1046.50	992.52	2786.64	2653.15
		NSTPS infirm			0.00	0.00	75.63	69.22
		DSTPP #1&2	1600.00	1600.00	825.84	773.87	2337.26	2188.29
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	0.00	0.00
		Total NTPC	12390.00	12390.00	7109.84	6633.26	21090.79	19676.04
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	40.25	40.25	97.61	97.61
		Teesta (3x170)	510.00	510.00	346.24	346.24	897.99	897.99
		TLDP(4x33+4x40) for WBSEDCL	292.00	292.00	183.31	183.31	400.49	400.49
		Total NHPC	862.00	862.00	569.81	569.81	1396.08	1396.08
		MPL (U#1&2)	1050.00	1050.00	705.71	666.98	1999.80	1888.34
		APNRL (U#1,2)	540.00	540.00	358.28	329.28	1044.44	957.18
		GMR (2x350)	700.00	700.00	340.92	315.11	1178.64	1096.33
		JITPL (2X600)	1200.00	1200.00	337.17	334.35	1717.96	1626.60
		CHUZACHEN** (2x55)	110.00	110.00	71.91	71.91	156.65	156.65
		JORETHANG (2x48)	96.00	96.00	59.36	59.36	106.63	106.63
		TEESTA URJA St III (6x200)	1200.00	1200.00	831.11	831.11	1740.61	1740.61
		Tashilding (2x48.5)	97.00	97.00	61.98	61.98	100.02	100.02
		DICKCHU (2x48)	96.00	96.00	73.91	73.91	194.33	194.33
		RONGNICHU HEP (2x56.5)			67.99	67.99	140.93	140.93
TALCHER SOLAR	10.00	10.00	1.10	1.10	3.60	3.60		
Total Thermal (E.R)	32315.00	32260.00	17558.04	16285.33	53535.10	49623.78		
Total Hydro (E.R)	5989.58	5989.58	2120.87	2118.94	5315.13	5308.79		
Total RES	1517.83	1517.83	90.50	90.50	298.20	298.20		
EASTERN REGIONAL		TOTAL (E.R)	39822.41	39767.41	19769.41	18494.77	59148.43	55230.77
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	242.00	242.00	497.81	497.81
		Kurichu (4x15)	60.00	60.00	0.00	0.00	9.91	9.91
		TALA (6x170)	1020.00	1020.00	386.59	386.59	537.88	537.88
		DAGACHU (2x63)	126.00	126.00	53.33	53.33	86.46	86.46
		MANGDECHU(4x180)	720.00	720.00	380.58	380.58	747.42	747.42
		Grand Total	42108.41	41963.41	20831.91	19557.28	61027.91	57110.25

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF JUNE' 2022

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 (2022-23) in MU	Cummulative PLF upto Current Month (%)	
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	11.99	7.93	32.47	7.93	
	Thermal	Barauni (U# 8)	250.00	250.00	166.17	92.32	401.21	73.48	
		Barauni (U# 9)	250.00	250.00	149.05	82.80	432.67	79.24	
		(Dedicated for Bihar) Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	0.00	
	RES	Thermal Total	940.00	930.00	327.21	48.87	866.35	41.65	
			354.91	354.91	19.74		58.86		
		Total BIHAR		1294.91	1284.91	346.95		925.21	
JHARKHAND									
TVNL	Thermal	TVNL	420.00	420.00	200.27	66.23	652.30	71.11	
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	4.07		4.07		
		RES	60.41	60.41	0.00		0.00		
		Total		190.41	190.41	4.07		4.07	
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	0.00	0.00	0.00	
		Chandrapura(U7 # 8)	500.00	500.00	266.51	74.03	827.69	75.80	
		Durgapur(4)	210.00	210.00	0.00	20.76	110.91	24.18	
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	688.84	71.40	2337.10	79.86	
		Mejia(U # 7,8)	1000.00	1000.00	585.11	81.26	1862.23	85.27	
		Bokaro-A(1)	500.00	500.00	335.93	93.31	976.15	89.39	
		Durgapur STPS (U#1,2)	1000.00	1000.00	625.78	86.91	1863.93	85.34	
	Raghunathpur TPS (U#1,2)	1200.00	1200.00	539.94	62.49	1509.90	57.61		
	Koderma STPS (U#1,2)	1000.00	1000.00	603.36	83.80	1914.99	87.68		
		Total Thermal		6750.00	6750.00	3676.85	75.66	11402.89	77.35
	Hydro	Maithon (U#1,2,3)	63.20	63.20	1.73		28.28		
		Panchet (U#1,2)	80.00	80.00	5.00		19.69		
		Tilaiya (U#1,2)	4.00	4.00	0.00		0.00		
		Hydro Total		147.20	147.20	6.72		47.97	
	Total DVC		6897.20	6897.20	3683.57		11450.86		
WEST BENGAL									
WBPDCCL	Thermal	Bandel TPS	320.00	275.00	102.12	51.57	410.21	68.30	
		Santalidih TPS(U#5&6)	500.00	500.00	364.12	101.15	1043.37	95.55	
		Kolaghat TPS	840.00	840.00	360.45	59.60	1030.56	56.17	
		Bakreswar TPP	1050.00	1050.00	639.18	84.55	2021.90	88.17	
		Sagardighi TPP	1600.00	1600.00	938.08	81.43	2788.58	79.80	
		DPPS (300+250 *)	550.00	550.00	189.43	47.83	631.36	52.56	
		Thermal Total		4860.00	4815.00	2593.38	74.81	7925.98	75.37
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	14.96		47.38		
		Rammam (4x12.73)	51.00	51.00	27.49		50.93		
		Teesta C.F. (3x3x7.5)	67.50	67.50	9.66		29.45		
		Purulia PSS (4x225)	900.00	900.00	122.22		343.70		
		Total Hydro		1053.50	1053.50	174.34		471.45	
		RES		500.76	500.76	15.57		43.33	
DE- ISSIONED	COMM	<p>1.WBPDCCL,Bandel TPS Unit #1 (IC=1X60 MW,EC=1X60 MW) decommissioned from 21.02.2022.</p> <p>2.WBPDCCL,Kolaghat TPS Unit #1,2 (IC=2X210 MW,EC=2X210 MW) decommissioned from 21.02.2022.</p> <p>3.BIHAR, Muzaffarpur TPS Unit(KBUNL) #1,2 (IC=2X110 MW, EC=2X110 MW) decommissioned from 08.09.2021.</p> <p>4.NTPC, TTPS Odisha All Six units(4X62.5+2X110) decommissioned from 01.04.2021</p> <p>5.DVC, BTPS(B) Unit #3 (210 MW) de-commissioned from 01.04.2021</p> <p>6. DPL U#6 (110 MW) Decommissioned from 28.01.20 as per CEA.</p> <p>7. CTPS U#6 (140 MW) Decommissioned from 19.03.2020 as per CEA.</p>							
COMMISS- IONED		<p>1.NTPC NPGCL U#3 (660 MW) COD from 01.06.2022</p> <p>2.NTPC Nabinagar TPP(BRBCL) U#4 (250 MW) COD from 01.12.2021</p> <p>3.NTPC BARAUNI TPP U#9 (250 MW) COD from 01.11.2021</p> <p>4.NTPC Barh St-1, U#1(660 MW) COD from 12.11.2021</p> <p>5.NSTPS U#2 (660 MW) COD from 23.07.2021</p> <p>6.NTPC DARLIPALI STPS U#2 (800 MW) COD 01.09.2021</p> <p>7.DARLIPALI S TPS U#1(800 MW) COD 01.03.2020</p> <p>8.BARAUNI TPS U#1(250 MW) COD 01.03.2020</p>							

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF JUNE' 2022

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation in MU	PLF of Current Month (%)	Cummulative Gross Energy Generation upto Current Month (2022-23) in MU	Cummulative PLF upto Current Month (%)
			(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	97.00	99.80	281.68	95.54
		Budge-Budge (3x250)	750.00	750.00	454.00	84.07	1463.38	89.34
		Total CESC	1125.00	1125.00	551.00	68.02	1745.06	71.02
HEL	Thermal	HEL	600.00	600.00	333.14	77.12	1167.93	89.13
		Total West Bengal	8139.26	8094.26	3667.43		11353.75	
OPGC	Thermal	IB TPS	420.00	420.00	247.55	81.86	773.37	84.31
		IB TPS U#3(660 MW)	660.00	660.00	359.20	75.59	1223.52	84.88
		IB TPS U#4(660 MW)	660.00	660.00	417.52	87.86	746.07	51.76
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	20.47		113.11	
		Hirakud-II (Chiplima)	72.00	72.00	17.31		77.12	
		Balimela (6x60+2x75)	510.00	510.00	107.16		367.37	
		Rengali (5x50)	250.00	250.00	9.25		160.25	
		Upper Kolab (4x80)	320.00	320.00	7.74		90.36	
		Indravati HPS (4x150)	600.00	600.00	18.68		90.98	
		Mckd.(Odisha drawal)	57.38	57.38	19.07		57.21	
		Total Hydro	2084.88	2084.88	199.68		956.40	
		RES	539.57	539.57	52.09		188.42	
Total Odisha	4364.45	4364.45	1276.04		3887.78			
(**) SIKKIM	Hydro	RES	52.18	52.18	2.00		4.00	
NTPC		MTPS Stg-II	390.00	390.00	232.04	82.63	761.81	89.44
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	929.55	80.69	2423.04	69.34
		FSTPP (U# 6)	500.00	500.00	189.64	52.68	858.48	78.62
		KhSTPP (4x210+3x500)	2340.00	2340.00	1406.09	83.46	4305.81	84.25
		TSTPP (2x500)	1000.00	1000.00	628.33	87.27	1939.53	88.81
		BARH STPS II (2X660)	1320.00	1320.00	793.87	83.53	2546.93	88.35
		BARH STPS I (1X660)	660.00	660.00	428.88	90.25	1199.67	83.23
		BRBCL # 1,2,3,4(4X250 MW)	1000.00	1000.00	629.10	87.38	1855.98	84.98
		BRBCL # 4 infirm			0.00	0.00	0.00	0.00
		NSTPS U# I&2	1980.00	1980.00	1046.50	73.41	2786.64	82.98
		NSTPS infirm					75.63	
		DSTPP #1&2	1600.00	1600.00	825.84	71.69	2337.26	66.89
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	0.00	0.00
		Total NTPC	12390.00	12390.00	7109.84	79.70	21090.79	80.54
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	40.25		97.61	
		Teesta (3x170)	510.00	510.00	346.24		897.99	
		TLDP(4x33+4x40) for WBSEDCL	292.00	292.00	183.31		400.49	
		Total NHPC	862.00	862.00	569.81		1396.08	
	Thermal	MPL (U#1&2)	1050.00	1050.00	705.71	93.35	1999.80	87.21
		APNRL (U#1,2)	540.00	540.00	358.28	92.15	1044.44	88.56
		GMR (2x350)	700.00	700.00	340.92	67.64	1178.64	77.10
		JITPL (2X600)	1200.00	1200.00	337.17	39.02	1717.96	65.55
		CHUZACHEN** (2x55)	110.00	110.00	71.91		156.65	
		JORETHANG (2x48)	96.00	96.00	59.36		106.63	
		TEESTA URJA St III (6x200)	1200.00	1200.00	831.11		1740.61	
		Tashilding (2x48.5)	97.00	97.00	61.98		100.02	
		DICKCHU (2x48)	96.00	96.00	73.91		194.33	
		RONGNICHU HEP (2x56.5)			67.99		140.93	
TALCHER SOLAR	10.00	10.00	1.10		3.60			
Total Thermal (E.R)	32315.00	32260.00	17558.04	75.59	53535.10	76.90		
EASTERN REGIONAL		Total Hydro (E.R)	5989.58	5989.58	2120.87		5315.13	
		Total RES	1517.83	1517.83	90.50		298.20	
		TOTAL (E.R)	39822.41	39767.41	19769.41		59148.43	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	242.00		497.81	
		Kurichu (4x15)	60.00	60.00	0.00		9.91	
		TALA (6x170)	1020.00	1020.00	386.59		537.88	
		DAGACHU (2x63)	126.00	126.00	53.33		86.46	
		MANGDECHU(4x180)	720.00	720.00	380.58		747.42	
		Grand Total	42108.41	41963.41	20831.91		61027.91	

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK DURING THE MONTH OF JUNE'2022 (8-6-2022)

Date **8-Jun-22**
 Time **24.00** Hrs.
 Frequency **50.01** Hz.

(All Fig. in MW)

System/State	Installed	Effective	Hydro	Thermal	RES	Net Gen
	Capacity	Capacity				Total
BSPHCL	1295	1285	0	465	0	465
JUVNL	610	610	0	140	0	140
DVC	6897	6897	35	4993	0	5028
ODISHA	4364	4364	786	1348	8	2141
WBSEDCL	5864	5819	541	3218	0	3759
TLDP	292	292	275	0	0	275
HEL HALDIA	600	600	0	549	0	549
CESC	1125	1125	0	814	0	814
DPL	550	550	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	12390	12390	0	9948	0	9948
NHPC	570	570	573	0	0	573
CHUKHA	360	270	289	0	0	289
KURICHU	60	60	91	0	0	91
TALA	1020	1020	460	0	0	460
MPL	1050	1050	0	953	0	953
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	494	0	494
Kamalganga (GMR)	700	700	0	646	0	646
JITPL	1200	1200	0	563	0	563
RONGNICHU HEP (2x56.5)	113	113	114	0	0	114
Chuzachen	110	110	110	0	0	110
Jorethang	96	96	84	0	0	84
TEESTA URJA St III	1200	1200	1294	0	0	1294
Tashiding	97	97	84	0	0	84
DICKCHU	96	96	105	0	0	105
<u>Daghachu</u>	126	126	81	0	0	81
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechu</u>	720	720	673	0	0	673
Total	42108	41963	5594	24131	8	29732
Import From Captive:						1674
Export To:						
NER						484
SR						1322
WR						-2233
NR						5012
Bangladesh						939
Nepal						-313
Total						5210

➤ Regional Net Peak Demand Met (MW) :

26196

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

Hourly Load Generation Data OF ER on Regional Peak Day During The Month of JUNE'2022 (8-6-2022)

(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	3587	24108	27695	1504	1304	5302	25202	-9	406	25599
2	3376	24073	27450	1488	1336	5717	24556	-17	406	24944
3	3328	24097	27425	1510	1338	6261	24012	-2	406	24416
4	3040	24043	27083	1502	1328	6510	23403	-18	406	23791
5	2619	24191	26810	1487	1315	6382	23231	4	406	23641
6	2537	23914	26451	1507	1288	6846	22400	-6	406	22800
7	2487	23624	26111	1472	1281	7087	21778	32	408	22218
8	2628	22887	25515	1407	1285	6457	21750	4	326	22080
9	2615	21456	24070	1439	1280	4391	22399	-27	172	22543
10	2814	21003	23817	1418	1293	3580	22948	-14	751	23685
11	2793	20904	23697	1377	1313	2428	23958	-6	0	23958
12	2814	21110	23924	1427	1362	2677	24037	6	386	24429
13	2962	21316	24277	1392	1391	2879	24181	8	0	24190
14	2926	21378	24305	1424	1385	2358	24757	0	308	25065
15	2791	22936	25728	1417	1349	3052	25442	29	0	25472
16	2776	23742	26518	1530	1266	3815	25498	-25	214	25688
17	2802	23777	26578	1513	1288	4676	24704	-48	390	25046
18	2775	23429	26205	1538	1309	6205	22847	-28	389	23208
19	2965	23599	26564	1677	1424	6247	23419	-29	428	23819
20	3559	23687	27246	1660	1454	5158	25201	-26	436	25610
21	3683	23955	27638	1668	1508	4835	25979	-9	436	26406
22	4090	24101	28191	1662	1552	5359	26046	-7	436	26475
23	4017	24082	28099	1656	1582	5481	25857	32	444	26332
24	4008	24131	28139	1674	1593	5210	26196	-5	539	26730

Hourly Load Generation Data of ER On Regional Lean Day During The Month of JUNE'2022 (19-6-2022)

(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	3579	23584	27163	1423	1903	8843	21647	-27	3	21650
2	3772	23353	27125	1407	1903	9231	21204	35	3	21242
3	3771	22968	26739	1412	1930	9192	20889	31	3	20923
4	3353	22648	26000	1412	1926	9028	20310	-9	2	20313
5	3292	22617	25909	1404	1919	8763	20468	5	2	20476
6	2877	22999	25877	1407	1901	9591	19593	22	4	19620
7	2906	22630	25536	1400	1888	9452	19371	7	5	19383
8	3036	21905	24941	1360	1878	8479	19700	17	3	19721
9	3127	20966	24093	1385	1878	7268	20089	-14	3	20092
10	3271	19848	23119	1387	1877	5874	20510	22	2	20534
11	3342	20096	23438	1387	1883	5951	20757	147	27	20931
12	3360	20126	23486	1410	1882	5310	21469	11	454	21934
13	3213	20228	23441	1344	1837	4752	21871	-103	508	22275
14	3101	19122	22223	1371	1785	3533	21846	-151	4	21850
15	3102	18758	21860	1356	1794	3839	21171	-2	6	21175
16	3004	19635	22639	1382	1813	5510	20324	-25	30	20330
17	2875	19581	22456	1399	1848	6616	19087	-57	42	19129
18	2880	19177	22056	1386	1836	6888	18390	26	38	18454
19	3169	20249	23418	1405	1823	7342	19305	24	615	19944
20	3000	23179	26179	1378	1811	8017	21351	17	21	21388
21	2971	23166	26136	1378	1832	7203	22144	2	18	22163
22	2975	23066	26041	1349	1852	7210	22031	54	186	22271
23	3152	23088	26240	1394	1871	7489	22016	-8	196	22204
24	3057	22995	26053	1400	1872	7538	21786	-11	4	21790

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

FOR THE MONTH OF JUNE'2022

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 66.34 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 100.10 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 6.13 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 Jun-22

DATE	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		
01-Jun	49.99	50.02	50.00	49.96	49.88	49.98	11.50	74.06	14.43	74.06	50.13	18:02:00	49.76	22:14:50	50.07	0:00	49.82	0:00
02-Jun	49.98	49.99	49.92	49.98	49.94	49.96	14.73	74.07	11.19	74.07	50.15	08:02:20	49.51	14:39:00	50.07	0:00	49.60	0:00
03-Jun	49.93	50.01	49.95	49.98	49.86	49.96	16.25	73.10	10.65	73.10	50.18	08:01:30	49.73	23:06:00	50.12	0:00	49.79	0:00
04-Jun	49.88	49.96	49.97	49.92	49.87	49.93	27.23	69.16	3.61	69.16	50.12	18:02:20	49.64	19:30:40	50.07	0:00	49.72	0:00
05-Jun	49.91	49.98	49.99	50.00	49.97	49.97	13.55	74.56	11.89	74.56	50.19	16:32:00	49.73	00:10:00	50.14	0:00	49.82	0:00
06-Jun	49.97	50.00	49.96	50.00	49.96	49.98	9.99	81.31	8.70	81.31	50.12	09:00:50	49.77	15:11:30	50.06	0:00	49.83	0:00
07-Jun	49.96	50.01	50.00	50.00	49.94	49.99	6.64	78.26	15.10	78.26	50.21	08:03:10	49.74	23:08:10	50.16	0:00	49.83	0:00
08-Jun	50.01	50.00	50.01	50.02	49.99	50.01	0.90	80.72	18.38	80.72	50.13	16:01:30	49.84	22:11:10	50.09	0:00	49.92	0:00
09-Jun	50.01	49.98	50.01	50.00	49.89	49.99	7.59	71.53	20.88	71.53	50.24	16:03:20	49.57	22:15:40	50.20	0:00	49.68	0:00
10-Jun	49.99	50.01	49.99	50.00	49.98	49.99	1.10	87.73	11.17	87.73	50.17	08:05:20	49.87	12:40:50	50.12	0:00	49.91	0:00
11-Jun	50.00	49.99	49.98	50.02	49.97	49.99	5.60	78.02	16.38	78.02	50.14	18:02:10	49.73	11:44:30	50.08	0:00	49.80	0:00
12-Jun	49.93	50.01	50.00	49.96	49.92	49.97	12.96	73.30	13.74	73.30	50.17	09:32:10	49.68	22:14:40	50.12	0:00	49.82	0:00
13-Jun	49.92	49.93	49.86	49.94	49.83	49.90	42.01	54.70	3.29	54.70	50.09	08:19:50	49.48	16:45:50	50.05	0:00	49.61	0:00
14-Jun	49.98	49.94	49.98	50.00	49.98	49.98	10.83	77.33	11.84	77.33	50.20	16:04:30	49.79	09:15:20	50.12	0:00	49.87	0:00
15-Jun	50.01	50.02	50.03	49.98	49.99	50.01	3.41	70.78	25.81	70.78	50.22	16:10:40	49.72	19:32:50	50.18	0:00	49.76	0:00
16-Jun	49.98	50.02	49.96	49.94	49.95	49.97	13.36	73.38	13.26	73.38	50.15	05:06:00	49.78	17:55:00	50.09	0:00	49.79	0:00
17-Jun	50.04	50.00	49.99	49.98	49.94	50.00	4.02	78.88	17.11	78.88	50.16	01:34:30	49.75	18:12:40	50.11	0:00	49.87	0:00
18-Jun	49.98	50.00	49.98	50.00	49.93	49.98	12.88	69.12	18.00	69.12	50.22	13:05:10	49.66	11:15:00	50.15	0:00	49.79	0:00
19-Jun	49.99	49.98	50.03	49.97	50.01	50.00	6.06	73.65	20.29	73.65	50.36	13:07:00	49.75	10:53:00	50.28	0:00	49.77	0:00
20-Jun	50.00	50.00	49.99	49.98	50.04	49.99	7.06	70.27	22.67	70.27	50.25	08:49:50	49.65	10:54:10	50.21	0:00	49.84	0:00
21-Jun	50.00	49.97	49.97	49.94	50.01	49.97	12.96	74.54	12.50	74.54	50.15	10:35:50	49.64	19:26:20	50.15	0:00	49.72	0:00
22-Jun	49.94	50.00	49.98	49.90	49.84	49.95	21.63	70.40	7.97	70.40	50.23	16:03:50	49.71	22:11:50	50.12	0:00	49.72	0:00
23-Jun	49.99	50.00	49.98	49.95	49.89	49.97	9.99	79.85	10.16	79.85	50.20	13:03:10	49.71	22:30:10	50.12	0:00	49.77	0:00
24-Jun	49.95	50.02	49.97	49.95	49.93	49.97	15.13	69.72	15.15	69.72	50.17	13:01:20	49.78	19:53:40	50.11	0:00	49.82	0:00
25-Jun	49.93	50.02	49.94	49.95	49.86	49.95	20.89	69.57	9.54	69.57	50.14	06:02:00	49.71	23:07:10	50.08	0:00	49.77	0:00
26-Jun	49.95	50.05	49.99	49.91	49.90	49.97	14.43	70.51	15.06	70.51	50.23	09:00:50	49.64	22:17:30	50.19	0:00	49.73	0:00
27-Jun	49.96	49.95	49.93	49.83	49.89	49.91	36.34	59.20	4.46	59.20	50.09	16:03:50	49.55	20:15:00	50.05	0:00	49.61	0:00
28-Jun	49.95	49.99	50.00	49.98	50.00	49.98	10.30	74.35	15.35	74.35	50.20	18:03:00	49.76	00:10:50	50.13	0:00	49.83	0:00
29-Jun	50.00	50.01	50.01	50.01	50.02	50.01	1.49	77.09	21.42	77.09	50.17	15:02:00	49.81	18:46:10	50.11	0:00	49.89	0:00
30-Jun	50.00	50.02	50.00	50.00	50.06	50.01	2.71	71.93	25.36	71.93	50.31	13:04:20	49.82	14:38:40	50.27	0:00	49.88	0:00
MAX	50.04	50.05	50.03	50.02	50.06	50.01	42.01	87.73	25.81	87.73	50.36		49.87		50.28		49.92	
MIN	49.88	49.93	49.86	49.83	49.83	49.90	0.90	54.70	3.29	54.70	50.09		49.48		50.05		49.60	
AVG	49.97	50.00	49.98	49.97	49.94	49.98	12.45	73.37	14.18	73.37	50.18		49.71		50.13		49.79	

SUMMARY:

Avg. Frequency : 49.98 Hz.

Instantaneous Frequency :

Maximum Frequency : 50.36 Hz at 13:07 Hrs.

Minimum Frequency : 49.48 Hz at 16:45 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.28 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.60 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	12.45	73.37	14.18

VOLTAGE ANALYSIS

MAXIMUM & MINIMUM VOLTAGES RECORDED AT IMPORTANT 400 kV S/S IN THE MONTH OF JUNE'2022

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	417	400	410	396	418	395	419	401

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	411	387	416	398	404	393	418	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 (49.4 Hz) (Inst.)	STAGE-II (49.2 Hz) (Inst.)	STAGE-III (49.0 Hz) (Inst.)	STAGE-IV 48.8 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. Revised UFR Scheme (Stg-I 49.4Hz. Stg-II 49.2 Hz Stg-III 49.0 Hz and Stg-IV 48.8 Hz) implemented from March/ April-2020

A. **WATER LEVEL OF MAJOR HYDEL RESERVOIRS OF THE REGION IN**
Jun-22

(All figs.in mtrs.)

Name of the Reservoirs	FRL	MDDL	As on last day of the		As on first day of this month & date	
			(30-06-22)	(30-06-21)		
Hirakud	192	180	182.80	184.68	183.62	01.06.22
Balimela	462	439	440.22	445.95	442.42	01.06.22
Rengali	123	109	110.04	115.40	110.66	01.06.22
Upperkolab	858	844	845.47	846.66	845.45	01.06.22
Indravati	642	625	629.69	630.10	629.51	01.06.22
Subernrekha	590	580	584.24	585.52	584.64	01.06.22

B. **CPP/IPP IMPORT by Eastern Region Constituents during** Jun-22

(All figs. are in MU)

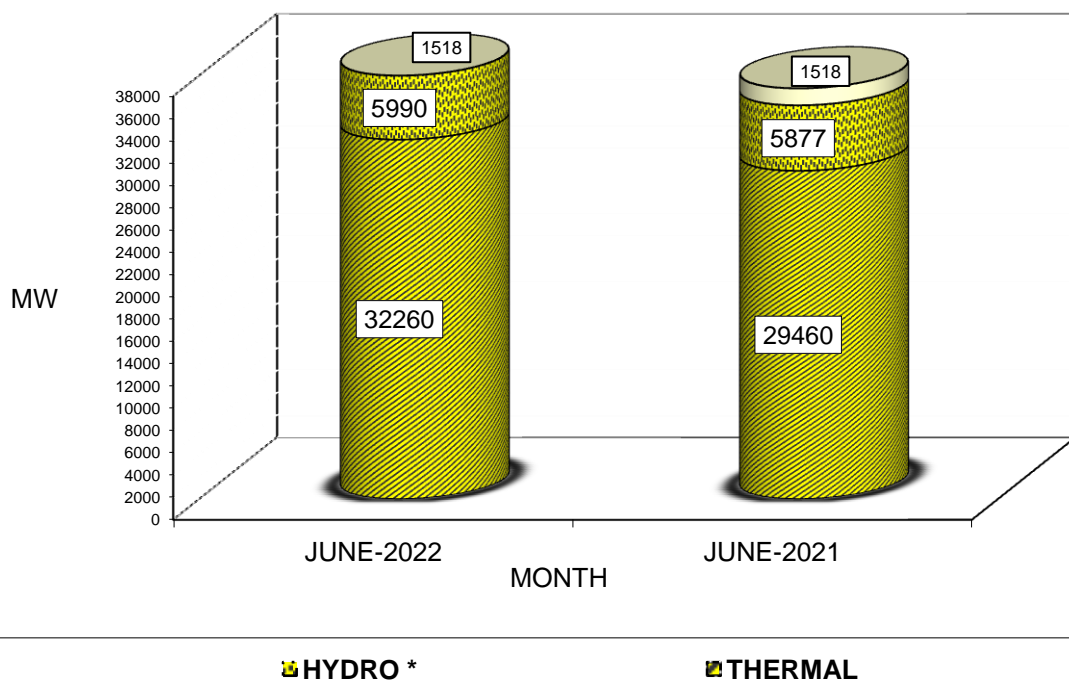
System	Tata Power	Crescent Power	JSPL, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	39.62
West Bengal	67.30	23.75	0	0	0	0	0	199.98	291.04
ODISHA	0	0	8.70	313.77	1.36	0.00	0	404.58	728.41
DVC	0	0	0	0	0	0	13.02	0	13.02
TOTAL	67.30	23.75	8.70	313.77	1.36	0.00	13.02	604.56	1072.08

C. **Distribution of Schedule Supply among Key Customers by IPPs during** Jun-22

(All figs. are in MU)

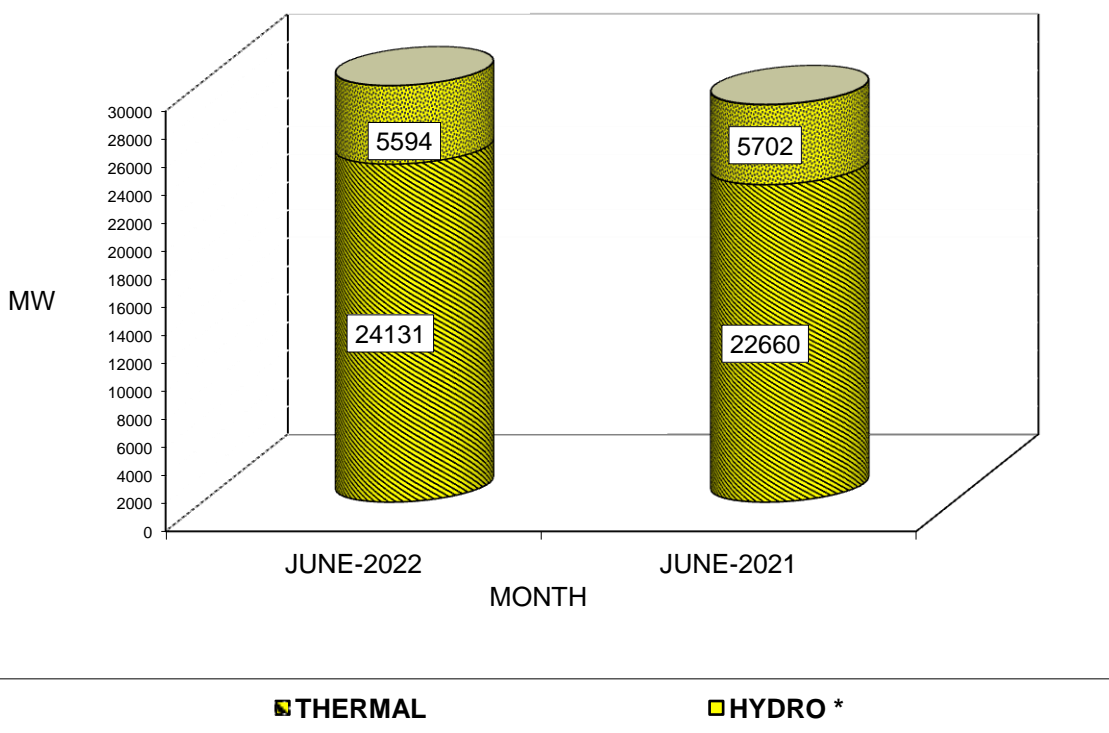
IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	192.93	196.05	100.23	0.00	0	0	177.24	666.45
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	7.20	0	30.82	0.00	71.23	218.79	328.03
Total	192.93	203.25	100.23	30.82	0.00	71.23	396.03	994.48

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



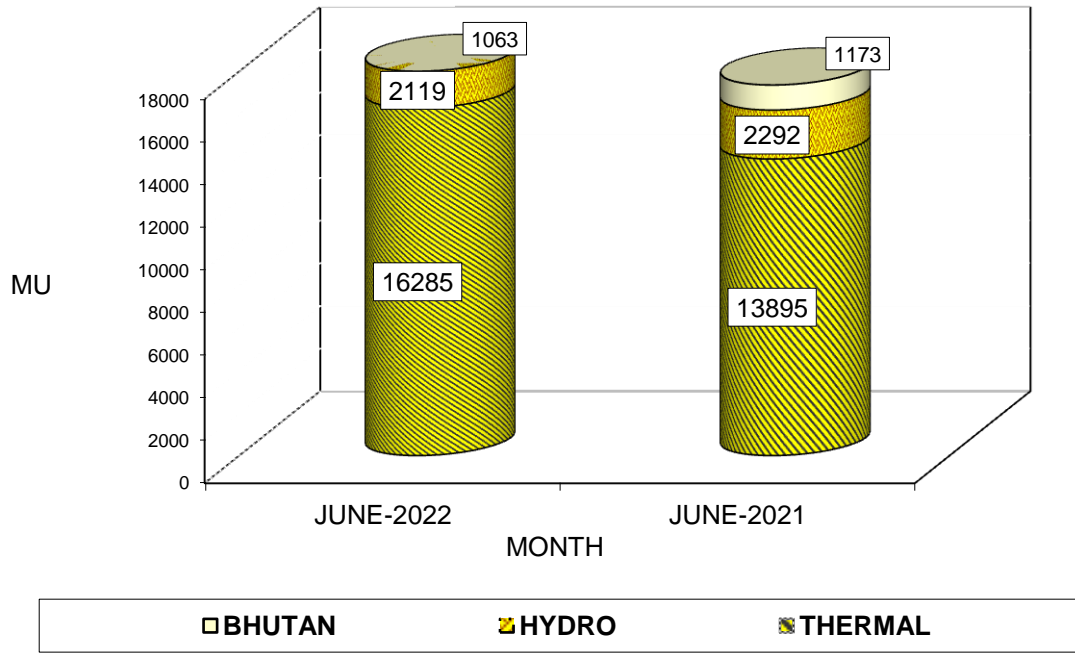
*Excludes contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

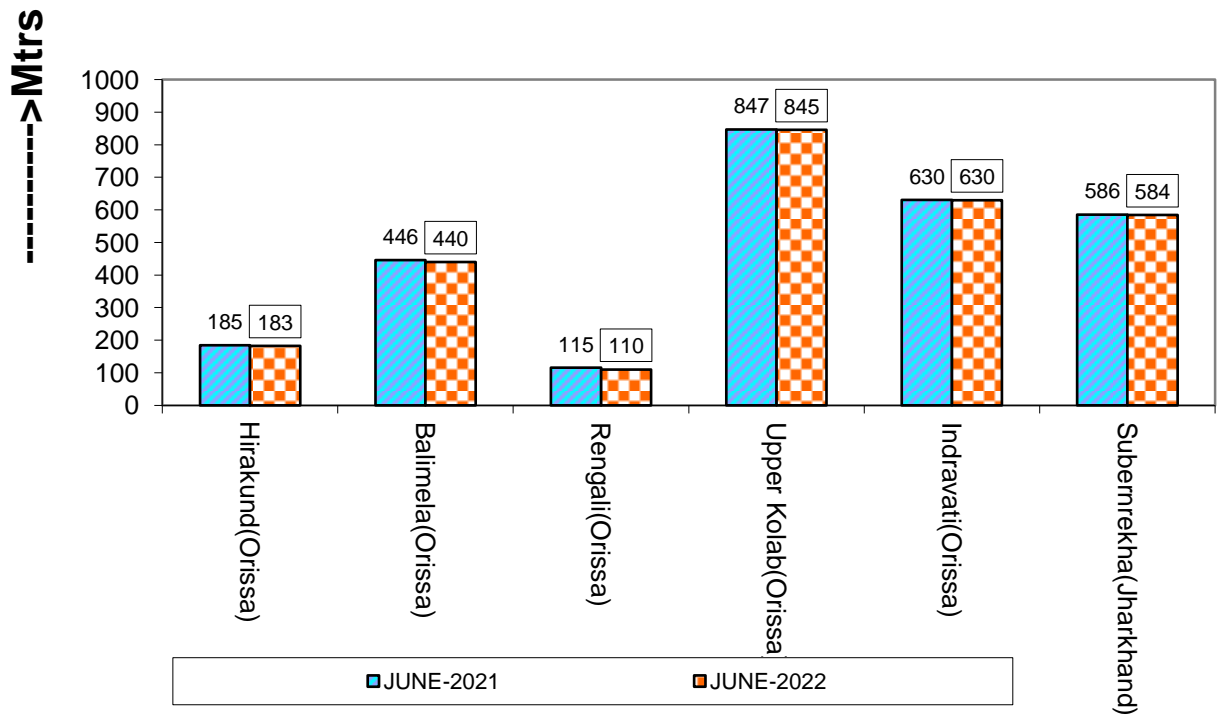


*Includes contribution from HEP of Bhutan

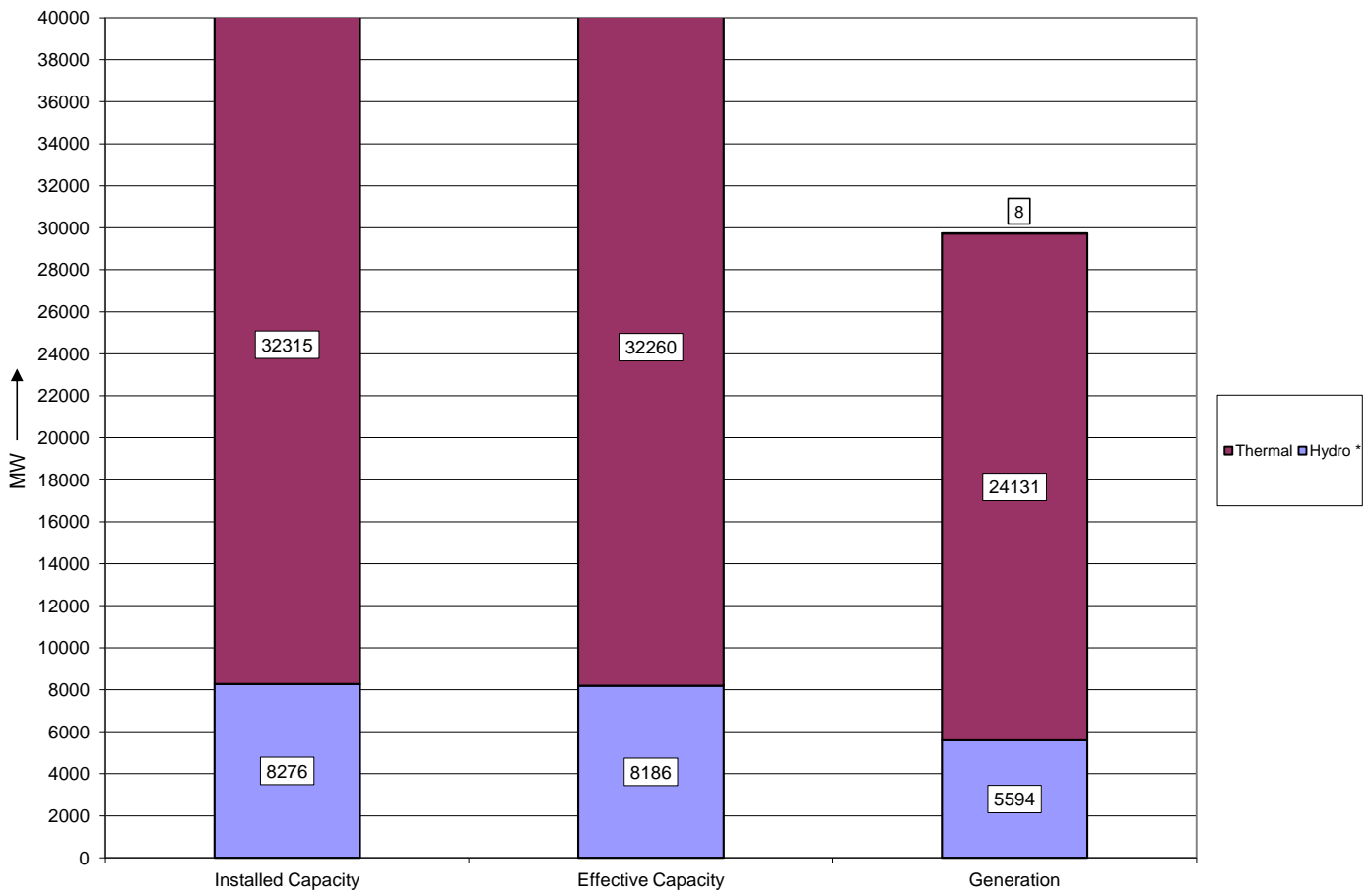
NET ENERGY GENERATION



RESERVOIR LEVEL OF HPS OF ER (RECORDED ON LAST DAY OF MONTH)

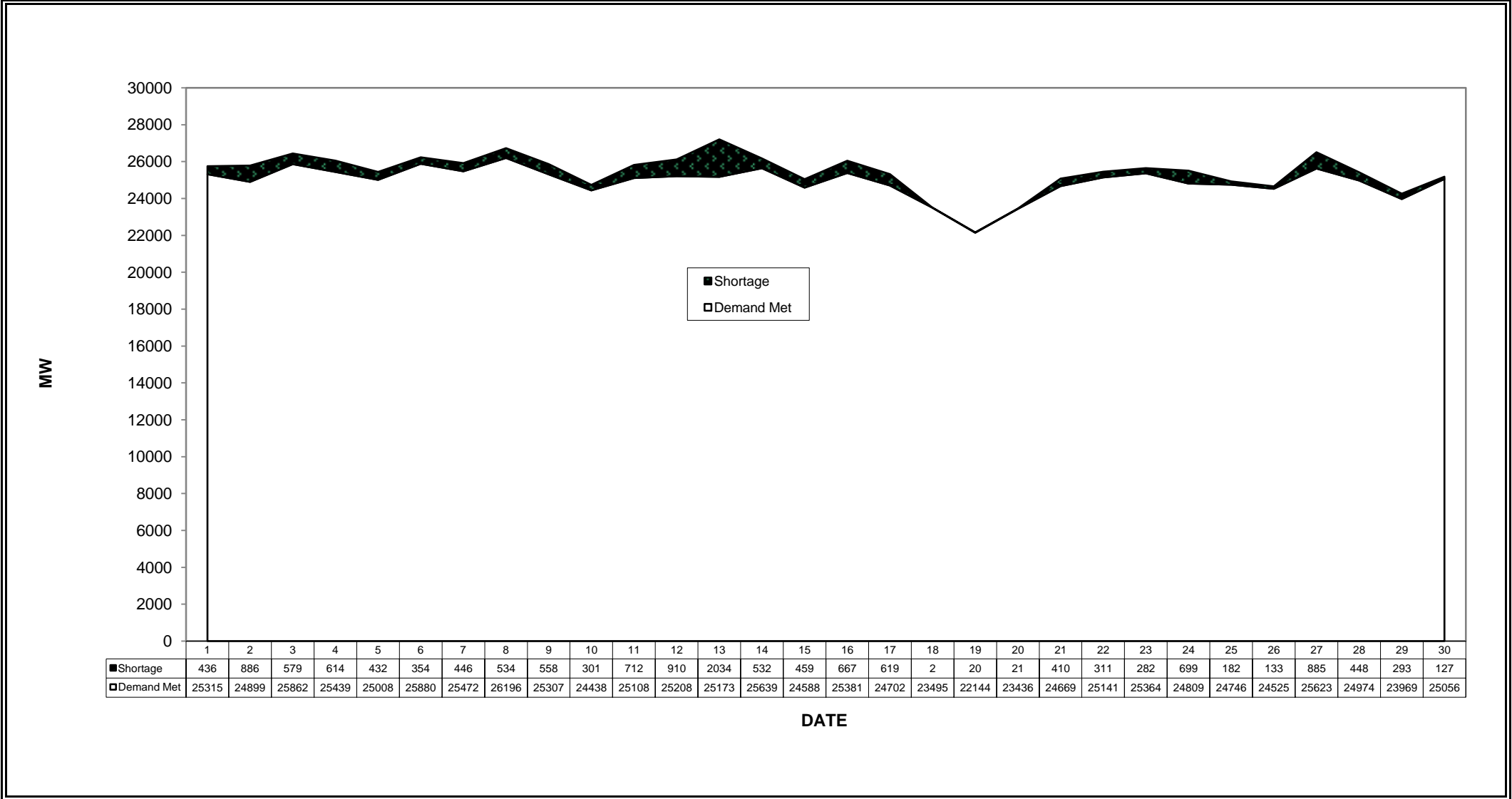


Capacity / Actual Generation Pattern of ER on Peak Day (8-6-2022) at 24.00 hrs.

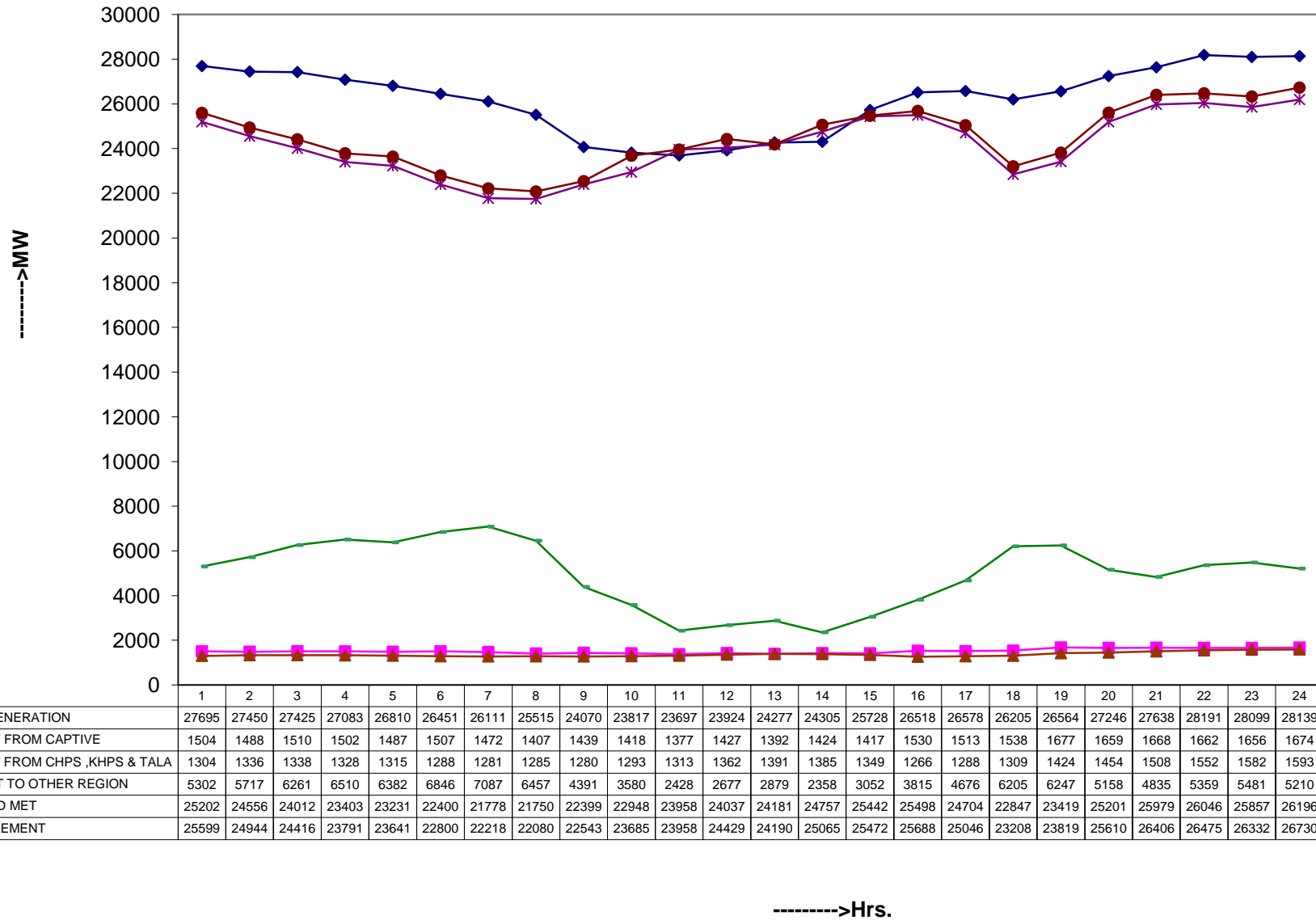


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

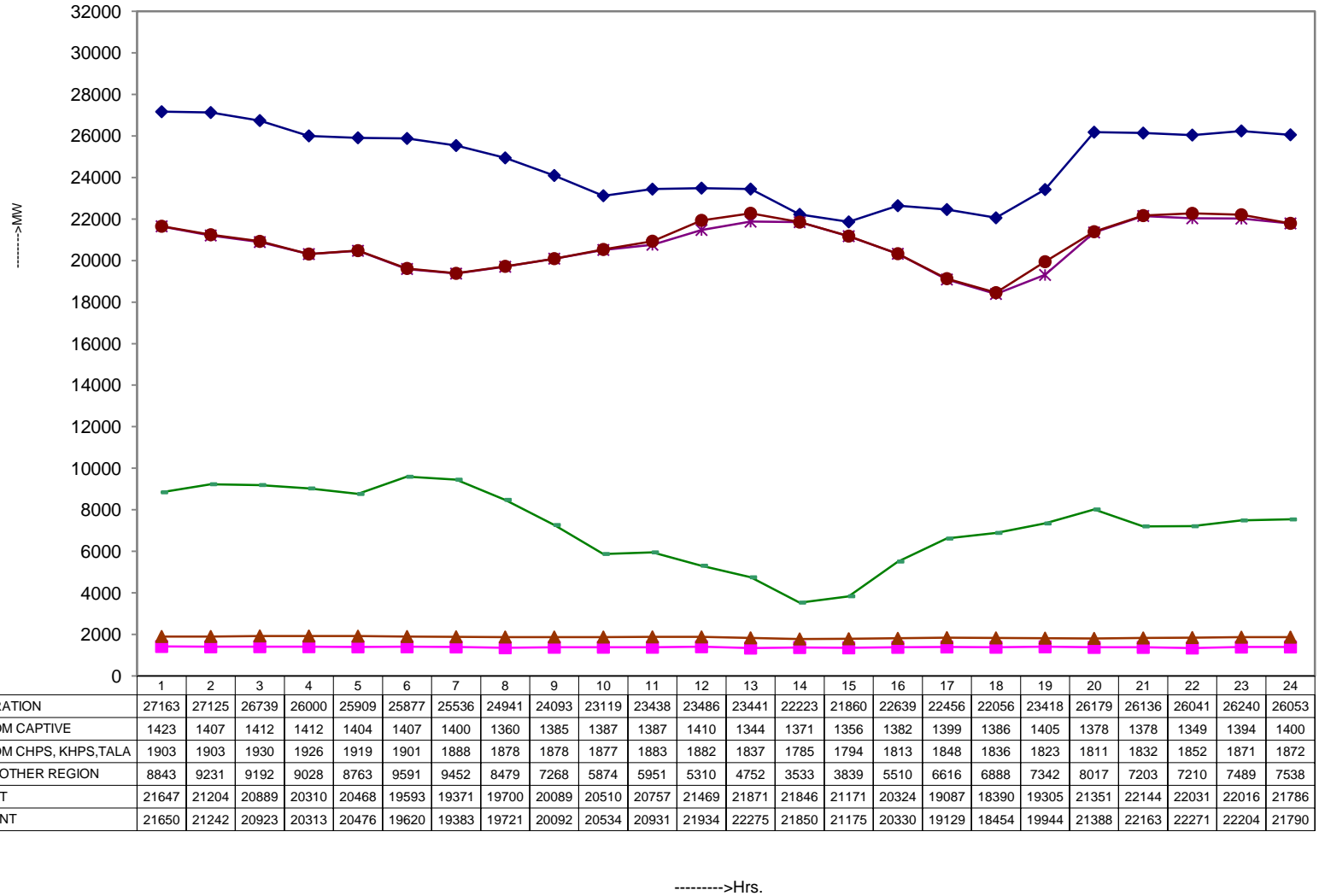
Peak Demand Met / Shortage of Eastern Region For The Month Of JUNE'2022



Hourly Load Generation Data OF ER on Regional Peak Day During The Month of JUNE'2022 (8-6-2022)

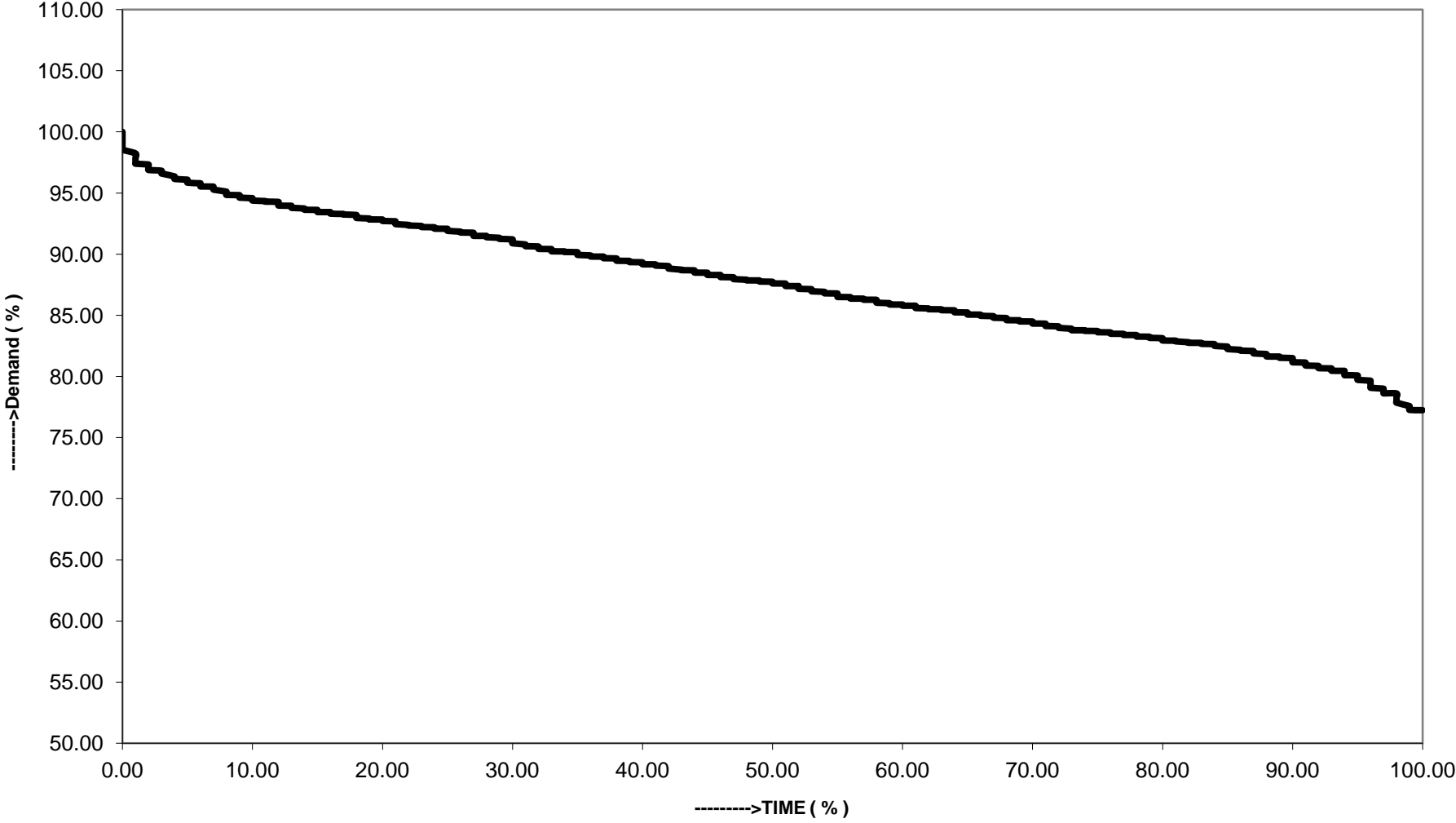


Hourly Load Generation Data of ER On Regional Lean Day During The Month of JUNE'2022 (19-6-2022)



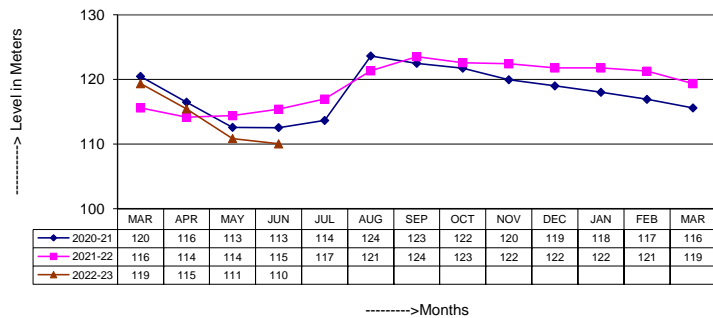
Monthly Load Duration Curve of Eastern Region for JUNE-2022

Maximum Demand met : 26196 MW
Minimum Demand met: 18390 MW

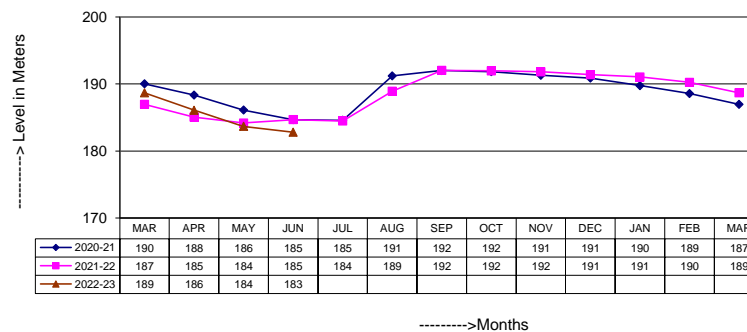


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

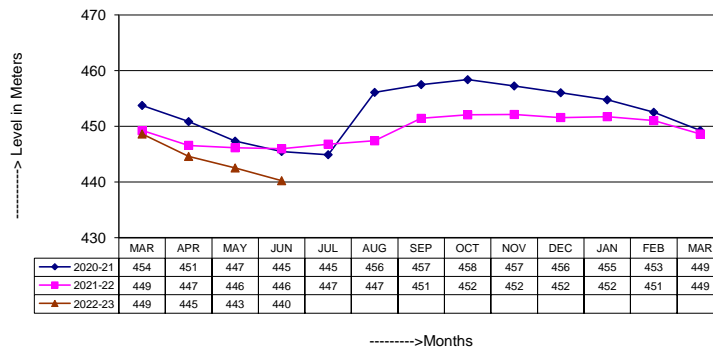
RENGALI RESERVOIR LEVEL



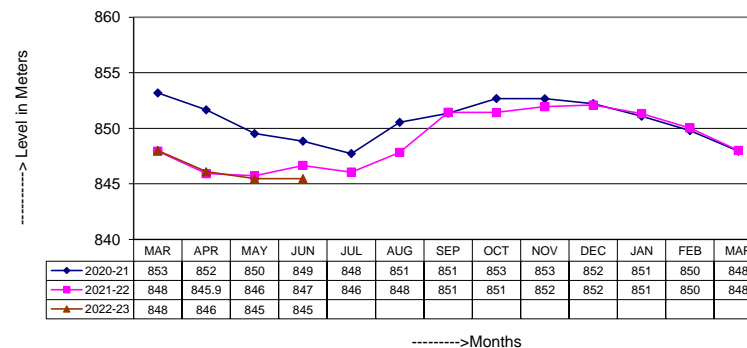
HIRAKUD RESERVOIR LEVEL



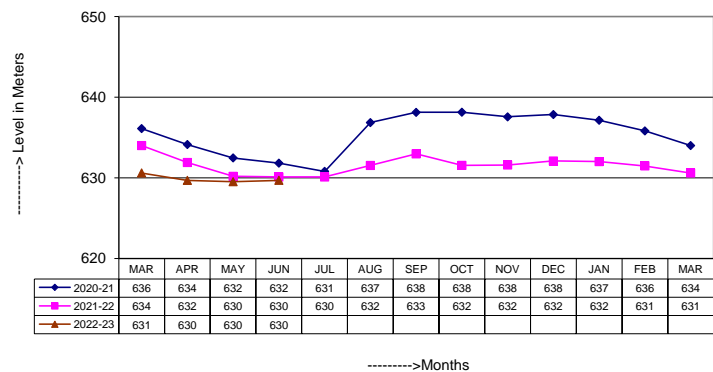
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

