



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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सेवा में : (संलग्न सूची के अनुसार)

To: As per enclosed list.

विषय : मई, 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 May, 2022 on ERPC website.

महोदय / Sir ,

पूर्वी क्षेत्रीय विद्युत समिति की मई, 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 May, 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


07/7/2022

(Swapan Roy)

अधीक्षक अभियंता

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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

मई - 2022

MAY-2022



14, गोल्फ क्लब रोड, टोलीगंज

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INDEX

Sl. No.	Contents	Page No.
1	Highlights & Salient Features	1-2
2.	Power Supply Position of Eastern Region and Constituents wise performance	3-3A
5.	Comparative study of power supply position with previous year	4
7.	Performance vis-à-vis Energy Generation from Power Stations	5-6
8.	Plant Load Factor (PLF) of Thermal Power Stations	7-8
9.	Power Scenario at the time of Regional Peak	9
10.	Hourly Load/Generation Data of region for Peak day & Lean day	10
11	Notified Power Cut, Restriction & Power Supply to Agriculture Sector	11
ANNEXURES		
I	Frequency Analysis	12
II	Voltage Analysis	13
III	Reservoir level of major hydro stations and Import from IPPs/CPPs by Constituents	14
EXHIBITS		
I	Chart: Effective Capacity & Generation Corresponding to Peak Demand Met	15
II	Chart: Net Energy Generation & Reservoir Levels recorded	16
III	Chart: Capacity & Generation pattern of the Peak Day	17
IV	Daily Regional Peak Demand Met & Shortage	18
V	Hourly Load/generation Pattern of Peak Day	19
VI	Hourly Load/generation Pattern of Lean Day	20
VII	Monthly Load Duration Curve	21
VIII	Reservoir Levels	22

Highlights of Eastern Regional Power System for May- 2022

- The **Maximum Net Demand** met of Eastern Region (ER) during the month of **May, 2022** was **25070 MW** which is 3.63% more than the **May, 2021** (24191 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 **May, 2022** was **519.86 MU** (excluding export), which is 20.94% more than the corresponding period of last year (429.83 MU).
 - The **Average regional PLF of thermal units during the month is 75.44 %**, which is 5.96% more than the corresponding period of the last year (**69.48%**).
- APNRL (IPP) registered the highest PLF of 95.95%, followed by Santaldih TPS (WBPDC) 94.62% and Southern TPS (CESC) 93.55% during the month of **May, 2022**.
- **Maximum Net generation** was **29137.88 MW** against total **Effective Capacity of 41303.41 MW** (including import from Bhutan). At the time of Regional peak (**25070 MW** on 20.05.2022 at 24.00 hrs.), the generation was **26819 MW**, import from CPP was 1625 MW and Net export was 3374 MW.
 - The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 72.22% of time during the month. **Average frequency** for the month was **49.99 Hz**. The instantaneous maximum and minimum frequency were 50.35 Hz and 49.50 Hz, respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.31 Hz** and **49.58 Hz** respectively (**refer Annexure-I**).
 - **At 400 kV voltage level**, the **maximum Voltage** recorded was 424 KV at Jeerat 400 KV S/s whereas the minimum voltage recorded 386 KV at Muzaffarpur 400 KV S/s of Power grid.
 - The **Maximum Export from ER to outside region** was 9190 MW (including Nepal and Bangladesh) on 1st May, 2022 at 06:00 hrs. Total net energy export during the month was 3724.14 MU (Inc.Transmission loss) which corresponds to 19.99 % of Ex-bus total generation 18633.92 MU of Eastern Region.
 - The import from CPPs was 1205.79 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	5924	489	2298.49
WR	1974	3295	-701.90
SR	3461	0	1281.16
NER	1182	1163	84.85
BANGLADESH			669.42
NEPAL (via-CTU)			92.14
Chukha, Kurichu, Tala			0
Total			3724.14
NEPAL by Bihar(NBPDCL)			9.52

SALIENT FEATURES

(YEAR TO YEAR COMPARISION)

		May-22		MAY-2021	CHANGE	% CHANGE
1)	Effective Capacity (end of the Month)					
	THERMAL (MW)	31600		29670	1930	6.50
	HYDRO (MW)	5990	\$	5877	113	2
	DIESEL (MW)	0		0	0	0
	RES (MW)	1518		1489	0	0
	TOTAL (MW)	39107		37035	2072	5.60
2)	Peak Demand (MW)	25369		24191	1178	4.87
3)	Peak Demand Met (MW)	25070		24191	879	3.63
4)	Shortage (MW)	299		0	299	0.00
5)	% Shortage	1.18		0.00	1.18	0.00
6)	Average Energy Requirement Per Day (MU)	524.87		430.89	93.98	21.81
7)	Average Energy Availability Per Day (MU)	519.86		429.83	90.03	20.94
8)	Average Shortage Per Day (MU)	5.02		1.06	3.96	--
9)	% Shortage	0.96		0.25	0.71	--
10)	Net Generation for the Month					
	Thermal (MU)	16489.34		14171.10	2318.24	16.36
	Hydro (MU)	2036.15	*	2160.82	-124.67	-5.77
	RES (MU)	108.44		91.35	0.00	-
	Total (MU)	18633.92		16423.27	2210.65	13.46
11)	Generation at the Time of Max. Regional Demand Met (20-05-22 at 24.00 Hrs.)					
	Thermal (MW)	22628		21490	1138	5.30
	Hydro (MW)	4170	*	4659	-489	-10.50
	RES(MW)	21		16	5	33.19
	Total (MW)	26819		26165	654	2.50
12)	Inter-Regional Energy Transfer					
	Export (MU)	4426.05		4996.98	-570.93	-11.43
	Import (MU)	701.90		834.08	-132.18	-15.85
	Net Exp.(+)/Net Imp.(-) (MU)	3724.14		4162.90	-438.76	-10.54
13)	Import From Captive(MU)	1205.79		1064.33	141.46	13.29
14)	Peak Inter Regional Power Transfer					
	Max Export (MW) on 01-05-22 at 06.00Hrs	9190		10952	-1762	-16.09
	Max Import (MW) on 21-05-22 at 13.00Hrs	3483		4191	-708	-16.89
	Max Net Export(+)/Import (-) (MW)	9190		10952	-1762	-16.09
15)	Maximum voltage recorded	424		JEERAT	400 kv	s/s
16)	Minimum voltage recorded	386		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 MAY'2022

A) Net Average Energy Per Day

System	Requirement Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	114.07	116.03	1.96	1.69
JUVNL	31.21	33.64	2.44	7.24
DVC	73.92	73.95	0.03	0.04
ODISHA	125.49	125.69	0.20	0.16
WBSEDCL	138.68	139.18	0.50	0.36
CESC	34.82	34.83	0.01	0.04
SIKKIM	1.56	1.56	0.00	0.04
REGION	519.86	524.87	5.02	0.96

B) Peak Demand in MW:

System	Demand Met (MW)	Demand (MW)	Shortage (MW)	% Shortage
BSPHCL	6034	6740	707	10.48
JUVNL	1528	1837	308	16.79
DVC	3330	3330	0	0.00
ODISHA	6313	6313	0	0.00
WBSEDCL	6992	7003	11	0.16
CESC	2083	2083	0	0.0
SIKKIM	106	106	0	0.00
REGION	25070	25369	299	1.18

➤ DIVERSITY FACTOR : 1.05

➤ Regional Peak Demand Met on 20-5-2022 at 24.00 hrs. at 50.02 Hz.

CONSTITUENT-WISE PERFORMANCE DATA MAY-2022

SYSTEM	Gross Generation(MU)				Auxiliary power Consumption(MU)				Net Generation (MU)				Import from	Exchange	Energy	Per Day	Net Peak	Gross Peak
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total	Captive (MU)	Net Import(+) Net Export(-)	Consumption(MU)	Cons.(MU)	Demand	Demand
BSPHCL	0.00	308.38	20.06	328.45	0.00	30.06	0.00	30.06	0.00	278.32	20.06	298.39	0.00	3237.76	3536.15	114.1	6034	6089
JUVNL	0.00	226.28	0.00	226.28	0.00	23.74	0.00	23.74	0.00	202.54	0.00	202.54	43.75	721.10	967.39	31.2	1528	1560
DVC	18.80	3797.08	0.00	3815.88	0.16	270.63	0.00	270.79	18.64	3526.45	0.00	3545.09	8.82	-1262.50	2291.41	73.9	3330	3693
ODISHA(OPGC+OHPC+ITPS)	303.78	1026.36	70.79	1400.93	1.18	74.29	0.00	75.48	302.59	952.07	70.79	1325.45	858.88	1705.77	3890.10	125.5	6313	6424
WBPCL+WBSEDCL+DPL	161.30	2695.41	15.26	2871.97	0.00	245.24	0.00	245.24	161.30	2450.17	15.26	2626.73	294.35	1377.97	4299.06	138.7	6992	7385
CESC	0.00	575.75	0.00	575.75	0.00	47.22	0.00	47.22	0.00	528.54	0.00	528.54	0.00	550.75	1079.29	34.8	2083	2154
HEL	0.00	412.67	0.00	412.67	0.00	32.42	0.00	32.42	0.00	380.25	0.00	380.25	0.00	-380.25				
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	47.37	48.37	1.6	106	106
NTPC	0.00	6628.43	1.33	6629.76	0.00	458.28	0.00	458.28	0.00	6170.15	1.33	6171.48	0.00	-6171.48				
MPL	0.00	645.07	0.00	645.07	0.00	35.97	0.00	35.97	0.00	609.10	0.00	609.10	0.00	-609.10				
APNRL	0.00	385.47	0.00	385.47	0.00	32.21	0.00	32.21	0.00	353.26	0.00	353.26	0.00	-353.26				
GMR	0.00	455.45	0.00	455.45	0.00	30.64	0.00	30.64	0.00	424.81	0.00	424.81	0.00	-424.81				
JITPL	0.00	654.78	0.00	654.78	0.00	41.10	0.00	41.10	0.00	613.68	0.00	613.68	0.00	-613.68				
NHPC (Inc TLDP= 117.4MU)	438.30	0.00	0.00	438.30	0.00	0.00	0.00	0.00	438.30	0.00	0.00	438.30	0.00	-438.30	0.00			
CHUZACHEN HPS	44.53	0.00	0.00	44.53	0.00	0.00	0.00	0.00	44.53	0.00	0.00	44.53	0.00	-44.53	0.00			
DIKCHU HPS	62.73	0.00	0.00	62.73	0.00	0.00	0.00	0.00	62.73	0.00	0.00	62.73	0.00	-62.73	0.00			
JORHANG HPS	27.83	0.00	0.00	27.83	0.00	0.00	0.00	0.00	27.83	0.00	0.00	27.83	0.00	-27.83	0.00			
TASHIDING HPS	20.56	0.00	0.00	20.56	0.00	0.00	0.00	0.00	20.56	0.00	0.00	20.56	0.00	-20.56	0.00			
TEESTA-III HPS	497.22	0.00	0.00	497.22	0.00	0.00	0.00	0.00	497.22	0.00	0.00	497.22	0.00	-497.22	0.00			
RONGNICHU HEP	45.29	0.00	0.00	45.29	0.00	0.00	0.00	0.00	45.29	0.00	0.00	45.29	0.00	-45.29	0.00			
CHPC(Birpara Receipt)	109.00	0.00	0.00	109.00	0.00	0.00	0.00	0.00	109.00	0.00	0.00	109.00	0.00	-109.00	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	80.10	0.00	0.00	80.10	0.00	0.00	0.00	0.00	80.10	0.00	0.00	80.10	0.00	-80.10	0.00			
DAGACHU HPS	17.33	0.00	0.00	17.33	0.00	0.00	0.00	0.00	17.33	0.00	0.00	17.33	0.00	-17.33	0.00			
Mangdechhu HEP	210.71	0.00	0.00	210.71	0.00	0.00	0.00	0.00	210.71	0.00	0.00	210.71	0.00	-210.71	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar & Kuruchhu HEP														3.83	3.83			
Total	2037.49	17811.14	108.44	19957.07	1.34	1321.80	0.00	1323.14	2036.15	16489.34	108.44	18633.93	1205.79	-3724.14	16115.59	519.86	25070	26649

3A

18633.93

16115.59

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	-	-	-	-	-
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	-	-	-	-	-
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 MAY -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	0.42	-0.92	20.48	17.65
	Thermal	Barauni (U# 8)	250.00	250.00	157.19	143.05	235.03	214.01
		Barauni (U# 9)	250.00	250.00	150.77	136.18	283.63	254.14
		(Dedicated for Bihar)	Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00
	RES	Thermal Total	940.00	930.00	308.38	278.32	539.14	485.80
			354.91	354.91	20.06	20.06	39.12	39.12
		Total BIHAR	1294.91	1284.91	328.44	298.38	578.26	524.92
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	226.28	202.54	452.03	407.96
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	0.00	0.00	0.00	0.00
	RES		60.41	60.41	0.00	0.00	0.00	0.00
		Total	190.41	190.41	0.00	0.00	0.00	0.00
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	-0.42	0.00	-1.23
		Chandrapura(U7 # 8)	500.00	500.00	204.54	181.91	561.18	505.45
		Durgapur(4)	210.00	210.00	0.45	-0.58	79.53	67.33
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	794.35	707.02	1648.26	1469.96
		Mejia(U # 7,8)	1000.00	1000.00	652.29	616.85	1277.12	1206.77
		Bokaro-A(1)	500.00	500.00	306.85	288.46	640.22	604.46
		Durgapur STPS (U#1,2)	1000.00	1000.00	593.96	560.89	1238.15	1170.92
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	575.32	539.52	969.96	906.15
		Koderma STPS (U#1,2)	1000.00	1000.00	669.32	632.81	1311.63	1239.57
		Total Thermal	6750.00	6750.00	3797.08	3526.45	7726.05	7169.36
	Hydro	Maithon (U#1,2,3)	63.20	63.20	11.27	11.24	26.55	26.49
		Panchet (U#1,2)	80.00	80.00	7.52	7.41	14.69	14.46
		Tilaiya (U#1,2)	4.00	4.00	0.00	0.0	0.00	0.0
		Hydro Total	147.20	147.20	18.80	18.64	41.24	40.92
			Total DVC	6897.20	6897.20	3815.88	3545.09	7767.29
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	320.00	275.00	152.85	137.44	308.09	277.04
		Santalidih TPS(U#5&6)	500.00	500.00	351.98	322.23	679.25	622.46
		Kolaghat TPS	840.00	840.00	340.49	299.14	670.11	588.77
		Bakreswar TPP	1050.00	1050.00	698.79	637.42	1382.72	1261.64
		Sagardighi TPP	1600.00	1600.00	936.23	861.70	1850.50	1705.86
		DPPS (300+250 *)	550.00	550.00	215.08	192.24	441.94	397.18
		Thermal Total	4860.00	4815.00	2695.41	2450.17	5332.60	4852.94
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	16.89	16.89	32.42	32.42
		Rammam (4x12.73)	51.00	51.00	12.86	12.86	23.44	23.44
		Teesta C.F. (3x3x7.5)	67.50	67.50	11.62	11.62	19.79	19.79
		Purulia PSS (4x225)	900.00	900.00	119.93	119.93	221.47	221.47
		Total Hydro	1053.50	1053.50	161.30	161.30	297.12	297.12
		RES	500.76	500.76	15.26	15.26	27.76	27.76

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

ORGANI- SATION	TYPE	POWER STATION	INSTALLED	EFFECTIVE	Gross	Net	Cummulative Gross	Cummulative Net
			CAPACITY	CAPACITY	Energy	Energy	Energy Generation	Energy Generation
			(in MW)	(in MW)	Generation in MU	Generation in MU	upto Current Month (2022-23) in MU	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	93.96	86.00	184.68	168.66
		Budge-Budge (3x250)	750.00	750.00	481.79	442.53	1009.38	930.47
		Total CESC	1125.00	1125.00	575.75	528.54	1194.06	1099.13
HEL	Thermal	HEL	600.00	600.00	412.67	380.24	834.79	769.90
		Total West Bengal	8139.26	8094.26	3860.39	3535.51	7686.32	7046.84
OPGC	Thermal	IB TPS	420.00	420.00	265.19	234.81	525.82	465.89
		IB TPS U#3(660 MW)	660.00	660.00	432.62	407.66	864.32	812.37
		IB TPS U#4(660 MW)	660.00	660.00	328.55	309.60	328.55	309.60
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	38.53	38.31	92.64	92.21
		Hirakud-II (Chiplima)	72.00	72.00	28.21	28.15	59.81	59.64
		Balimela (6x60+2x75)	510.00	510.00	109.54	108.89	260.22	258.80
		Rengali (5x50)	250.00	250.00	61.99	61.89	151.00	150.80
		Upper Koliab (4x80)	320.00	320.00	25.83	25.75	82.62	82.36
		Indravati HPS (4x150)	600.00	600.00	20.61	20.53	72.29	70.69
		Mckd.(Odisha drawal)	57.38	57.38	19.07	19.07	38.14	38.14
		Total Hydro	2084.88	2084.88	303.78	302.59	756.72	752.64
		RES	539.57	539.57	70.79	70.79	136.32	136.32
		Total Odisha	4364.45	4364.45	1400.93	1325.45	2611.74	2476.82
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00	1.00	2.00	2.00
NTPC		MTPS Stg-II	390.00	390.00	262.48	237.15	529.77	479.12
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	729.74	666.80	1493.49	1370.91
		FSTPP (U# 6)	500.00	500.00	321.87	299.45	668.84	624.85
		KhSTPP (4x210+3x500)	2340.00	2340.00	1407.61	1307.21	2899.72	2692.34
		TSTPP (2x500)	1000.00	1000.00	616.74	569.63	1311.20	1214.61
		BARH STPS II (2X660)	1320.00	1320.00	859.74	814.11	1753.06	1662.93
		BARH STPS I (1X660)	660.00	660.00	392.73	367.83	770.79	721.87
		BRBCL # 1,2,3,4(4X250 MW)	1000	1000	590.69	543.69	1226.88	1131.88
		BRBCL # 4 infirm			0.00	0.00	0.00	0.00
		NSTPS U# I&2	1320.00	1320.00	824.65	785.67	1740.14	1660.63
		NSTPS infirm			75.63	69.22	75.63	69.22
		DSTPP #1&2	1600.00	1600.00	546.55	509.38	1511.43	1414.42
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	0.00	0.00
		Total NTPC	11730.00	11730.00	6628.44	6170.15	13980.96	13042.78
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	33.01	33.01	57.35	57.35
		Teesta (3x170)	510.00	510.00	285.09	285.09	551.74	551.74
		TLDP(4x33+4x40) for WBSEDCL	292.00	292.00	120.21	120.21	217.18	217.18
		Total NHPC	862.00	862.00	438.30	438.30	826.28	826.28
		MPL (U#1&2)	1050.00	1050.00	645.07	609.10	1294.09	1221.36
		APNRL (U#1,2)	540.00	540.00	385.47	353.26	686.16	627.90
		GMR (2x350)	700.00	700.00	455.45	424.81	837.72	781.22
		JITPL (2X600)	1200.00	1200.00	654.78	613.68	1380.79	1292.25
		CHUZACHEN** (2x55)	110.00	110.00	44.53	44.53	84.74	84.74
		JORETHANG (2x48)	96.00	96.00	27.83	27.83	47.27	47.27
		TEESTA URJA St III (6x200)	1200.00	1200.00	497.22	497.22	909.50	909.50
		Tashilding (2x48.5)	97.00	97.00	20.56	20.56	38.03	38.03
		DICKCHU (2x48)	96.00	96.00	62.73	62.73	120.42	120.42
		RONGNICHU HEP (2x56.5)			45.29	45.29	72.94	72.94
		TALCHER SOLAR	10.00	10.00	1.33	1.33	2.50	2.50
		Total Thermal (E.R)	31655.00	31600.00	17811.14	16489.34	35977.06	33338.45
		Total Hydro (E.R)	5989.58	5989.58	1620.35	1619.01	3194.25	3189.85
		Total RES	1517.83	1517.83	108.44	108.44	207.70	207.70
EASTERN REGIONAL		TOTAL (E.R)	39162.41	39107.41	19539.93	18216.78	39379.02	36736.00
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	109.00	109.00	255.81	255.81
	Hydro	Kurichu (4x15)	60.00	60.00	0.00	0.00	9.91	9.91
	Hydro	TALA (6x170)	1020.00	1020.00	80.10	80.10	151.29	151.29
	Hydro	DAGACHU (2x63)	126.00	126.00	17.33	17.33	33.12	33.12
		MANGDECHU(4x180)	720.00	720.00	210.71	210.71	366.84	366.84
		Grand Total	41448.41	41303.41	19957.07	18633.92	40196.00	37552.97

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

ORGANI- SATION	TYPE	POWER	INSTALLED	EFFECTIVE	Gross	PLF	Cummulative Gross	Cummulative PLF
		STATION	CAPACITY	CAPACITY	Energy	of Current	Energy Generation	upto Current
			(in MW)	(in MW)	Generation	Month	upto Current Month	Month
					in MU	(%)	(2022-23) in MU	(%)
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	0.42	0.27	20.48	0.00
	Thermal	Barauni (U# 8)	250.00	250.00	157.19	84.51	235.03	64.22
		Barauni (U# 9)	250.00	250.00	150.77	81.06	283.63	77.49
	(Dedicated	Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	0.00	0.00
	for Bihar)	Thermal Total	940.00	930.00	308.38	44.51	539.14	38.09
	RES		354.91	354.91	20.06		39.12	
		Total BIHAR	1294.91	1284.91	328.44		578.26	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	226.28	72.41	452.03	73.52
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	0.00		0.00	
	RES		60.41	60.41	0.00		0.00	
		Total	190.41	190.41	0.00		0.00	
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	204.54	54.98	561.18	76.66
		Durgapur(4)	210.00	210.00	0.00	0.29	79.53	25.87
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	794.35	79.68	1648.26	84.02
		Mejia(U # 7,8)	1000.00	1000.00	652.29	87.67	1277.12	87.23
		Bokaro-A(1)	500.00	500.00	306.85	82.49	640.22	87.46
		Durgapur STPS (U#1,2)	1000.00	1000.00	593.96	79.83	1238.15	84.57
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	575.32	64.44	969.96	55.21
		Koderma STPS (U#1,2)	1000.00	1000.00	669.32	89.96	1311.63	89.59
		Total Thermal	6750.00	6750.00	3797.08	75.61	7726.05	78.18
	Hydro	Maithon (U#1,2,3)	63.20	63.20	11.27		26.55	
		Panchet (U#1,2)	80.00	80.00	7.52		14.69	
		Tilaiya (U#1,2)	4.00	4.00	0.00		0.00	
		Hydro Total	147.20	147.20	18.80		41.24	
			Total DVC	6897.20	6897.20	3815.88		7767.29
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	320.00	275.00	152.85	74.70	308.09	76.53
		Santalidih TPS(U#5&6)	500.00	500.00	351.98	94.62	679.25	92.79
		Kolaghat TPS	840.00	840.00	340.49	54.48	670.11	54.49
		Bakreswar TPP	1050.00	1050.00	698.79	89.45	1382.72	89.95
		Sagardighi TPP	1600.00	1600.00	936.23	78.65	1850.50	79.00
		DPPS (300+250 *)	550.00	550.00	215.08	52.56	441.94	54.89
		Thermal Total	4860.00	4815.00	2695.41	75.24	5332.60	75.65
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	16.89		32.42	
		Rammam (4x12.73)	51.00	51.00	12.86		23.44	
		Teesta C.F. (3x3x7.5)	67.50	67.50	11.62		19.79	
		Purulia PSS (4x225)	900.00	900.00	119.93		221.47	
		Total Hydro	1053.50	1053.50	161.30		297.12	
		RES	500.76	500.76	15.26		27.76	
DE- COMM SSIONED	1.WBPDC, Bandel TPS Unit #1 (IC=1X60 MW, EC=1X60 MW) decommissioned from 21.02.2022.							
	2.WBPDC, Kolaghat TPS Unit #1,2 (IC=2X210 MW, EC=2X210 MW) decommissioned from 21.02.2022.							
	3.BIHAR, Muzaffarpur TPS Unit(KBUNL) #1,2 (IC=2X110 MW, EC=2X110 MW) decommissioned from 08.09.2021.							
	4.NTPC, TTPS Odisha All Six units(4X62.5+2X110) decommissioned from 01.04.2021							
	5.DVC, BTPS(B) Unit #3 (210 MW) de-commissioned from 01.04.2021							
	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.							
COMMISS- IONED	1.NTPC Nabinagar TPP(BRBCL) U#4 (250 MW) COD from 01.12.2021							
	2.NTPC BARAUNI TPP U#9 (250 MW) COD from 01.11.2021							
	3.NTPC Barh St-1, U#1(660 MW) COD from 12.11.2021							
	4.NSTPS U#2 (660 MW) COD from 23.07.2021							
	5.NTPC DARLIPALI STPS U#2 (800 MW) COD 01.09.2021							
	6.DARLIPALI S TPS U#1(800 MW) COD 01.03.2020							
	7.BARAUNI TPS U#1(250 MW) COD 01.03.2020							

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF MAY' 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	93.96	93.55	184.68	93.44
		Budge-Budge (3x250)	750.00	750.00	481.79	86.34	1009.38	91.93
		Total CESC	1125.00	1125.00	575.75	68.79	1194.06	72.50
HEL	Thermal	HEL	600.00	600.00	412.67	92.44	834.79	95.03
		Total West Bengal	8139.26	8094.26	3860.39		7686.32	
OPGC	Thermal	IB TPS	420.00	420.00	265.19	84.87	525.82	85.52
		IB TPS U#3(660 MW)	660.00	660.00	432.62	88.10	864.32	89.45
		IB TPS U#4(660 MW)	660.00	660.00	328.55	66.91	328.55	34.00
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	38.53		92.64	
		Hirakud-II (Chiplima)	72.00	72.00	28.21		59.81	
		Balimela (6x60+2x75)	510.00	510.00	109.54		260.22	
		Rengali (5x50)	250.00	250.00	61.99		151.00	
		Upper Kolab (4x80)	320.00	320.00	25.83		82.62	
		Indravati HPS (4x150)	600.00	600.00	20.61		72.29	
		Mckd.(Odisha drawal)	57.38	57.38	19.07		38.14	
		Total Hydro	2084.88	2084.88	303.78		756.72	
		RES	539.57	539.57	70.79		136.32	
		Total Odisha	4364.45	4364.45	1400.93		2611.74	
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00		2.00	
NTPC		MTPS Stg-II	390.00	390.00	262.48	90.46	529.77	92.79
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	729.74	61.30	1493.49	63.76
		FSTPP (U# 6)	500.00	500.00	321.87	86.52	668.84	91.37
		KhSTPP (4x210+3x500)	2340.00	2340.00	1407.61	80.85	2899.72	84.64
		TSTPP (2x500)	1000.00	1000.00	616.74	82.90	1311.20	89.56
		BARH STPS II (2X660)	1320.00	1320.00	859.74	87.54	1753.06	90.72
		BARH STPS I (1X660)	660.00	660.00	392.73	79.98	770.79	79.77
		BRBCL # 1,2,3,4(4X250 MW)	1000.00	1000.00	590.69	79.39	1226.88	83.80
		BRBCL # 4 infirm			0.00	0.00	0.00	0.00
		NSTPS U# I&2	1320.00	1320.00	824.65	83.97	1740.14	90.05
		NSTPS infirm					75.63	
		DSTPP #1&2	1600.00	1600.00	546.55	45.91	1511.43	64.52
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	0.00	0.00
		Total NTPC	11730.00	11730.00	6628.44	75.09	13980.96	80.97
NHPC	HYDRO	Rangit (3x20)	60.00	60.00	33.01		57.35	
		Teesta (3x170)	510.00	510.00	285.09		551.74	
		TLDP(4x33+4x40) for WBSEDCL	292.00	292.00	120.21		217.18	
		Total NHPC	862.00	862.00	438.30		826.28	
	Thermal	MPL (U#1&2)	1050.00	1050.00	645.07	82.57	1294.09	84.18
		APNRL (U#1,2)	540.00	540.00	385.47	95.95	686.16	86.79
		GMR (2x350)	700.00	700.00	455.45	87.45	837.72	81.74
		JITPL (2X600)	1200.00	1200.00	654.78	73.34	1380.79	78.60
		CHUZACHEN** (2x55)	110.00	110.00	44.53		84.74	
		JORETHANG (2x48)	96.00	96.00	27.83		47.27	
		TEESTA URJA St III (6x200)	1200.00	1200.00	497.22		909.50	
		Tashilding (2x48.5)	97.00	97.00	20.56		38.03	
		DICKCHU (2x48)	96.00	96.00	62.73		120.42	
		RONGNICHU HEP (2x56.5)			45.29		72.94	
		TALCHER SOLAR	10.00	10.00	1.33		2.50	
		Total Thermal (E.R)	31655.00	31600.00	17811.14	75.44	35977.06	77.56
		Total Hydro (E.R)	5989.58	5989.58	1620.35		3194.25	
		Total RES	1517.83	1517.83	108.44		207.70	
		TOTAL (E.R)	39162.41	39107.41	19539.93		39379.02	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	109.00		255.81	
		Kurichu (4x15)	60.00	60.00	0.00		9.91	
		TALA (6x170)	1020.00	1020.00	80.10		151.29	
		DAGACHU (2x63)	126.00	126.00	17.33		33.12	
		MANGDECHU(4x180)	720.00	720.00	210.71		366.84	
		Grand Total	41448.41	41303.41	19957.07		40196.00	

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK DURING THE MONTH OF MAY'2022 (20-5-2022)

Date	20-May-22					
Time	24.00	Hrs.				
Frequency	50.02	Hz.				
						(All Fig. in MW)
	Installed	Effective				Net Gen
System/State	Capacity	Capacity	Hydro	Thermal	RES	Total
BSPHCL	1295	1285	0	462	0	462
JUVNL	610	610	0	274	0	274
DVC	6897	6897	36	4630	0	4666
ODISHA	4364	4364	941	1426	21	2388
WBSEDCL	5864	5819	556	3292	0	3848
TLDP	292	292	156	0	0	156
HEL HALDIA	600	600	0	555	0	555
CESC	1125	1125	0	811	0	811
DPL	550	550	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	11730	11730	0	8579	0	8579
NHPC	570	570	578	0	0	578
CHUKHA	360	270	94	0	0	94
KURICHU	60	60	15	0	0	15
TALA	1020	1020	125	0	0	125
MPL	1050	1050	0	878	0	878
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	494	0	494
Kamalganga (GMR)	700	700	0	662	0	662
JITPL	1200	1200	0	565	0	565
RONGNICHU HEP (2x56.5)	113	113	6	0	0	6
Chuzachen	110	110	88	0	0	88
Jorethang	96	96	53	0	0	53
TEESTA URJA St III	1200	1200	1182	0	0	1182
Tashilding	97	97	40	0	0	40
DICKCHU	96	96	104	0	0	104
<u>Daghachu</u>	126	126	19	0	0	19
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechhu</u>	720	720	177	0	0	177
<u>Total</u>	41448	41303	4170	22628	21	26819
Import From Captive:						1625
Export To:						
NER						-795
SR						1054
WR						-1952
NR						4159
Bangladesh						918
Nepal						-10
Total						3374
➤ Regional Net Peak Demand Met (MW) :						25070
Indicates Export(+)/Import(-) of Power						

Hourly Load Generation Data OF ER on Regional Peak Day During The Month of MAY'2022 (20-5-2022)

(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	3169	21367	24536	1641	524	4838	21863	19	604	22486
2	2351	21028	23379	1619	527	3738	21787	11	555	22353
3	2447	20989	23436	1668	546	4142	21508	2	277	21788
4	2466	20878	23344	1638	556	4420	21119	-22	275	21373
5	2569	20757	23326	1627	552	4610	20895	-7	274	21161
6	2221	20957	23177	1661	523	5251	20110	-21	273	20361
7	1635	20985	22620	1559	510	4969	19720	-35	270	19955
8	1499	21195	22694	1562	523	4741	20038	-30	132	20141
9	1518	21342	22860	1515	523	4573	20325	-28	44	20341
10	1557	21297	22854	1524	523	3895	21006	-4	39	21042
11	1411	20908	22319	1522	518	2799	21560	0	26	21585
12	1383	21155	22538	1511	511	2452	22108	12	22	22142
13	1337	20857	22194	1520	501	1679	22536	6	20	22563
14	1777	20839	22615	1541	508	1808	22856	24	20	22900
15	2446	21931	24377	1550	495	2494	23928	4	15	23947
16	2283	22192	24475	1651	486	2661	23951	-6	13	23958
17	2212	22338	24550	1603	477	3498	23132	-12	13	23132
18	2351	22315	24666	1594	425	4911	21774	-25	394	22143
19	2363	22391	24753	1627	401	3796	22985	-8	198	23175
20	3844	22520	26365	1621	391	3515	24861	-13	226	25074
21	3997	22569	26566	1646	393	3602	25004	-18	227	25214
22	4310	22693	27003	1640	406	4106	24943	7	237	25186
23	3639	22694	26333	1669	418	3460	24961	-4	280	25236
24	3761	22628	26389	1625	430	3374	25070	-18	316	25369

Hourly Load Generation Data of ER On Regional Lean Day During The Month of MAY'2022 (2-5-2022)

(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	2925	21971	24895	1672	447	9042	17972	3	630	18605
2	2755	21947	24702	1745	451	8991	17907	3	553	18464
3	2299	22089	24389	1707	453	8684	17864	5	231	18100
4	1719	21970	23689	1740	449	8728	17149	-6	181	17324
5	1559	21860	23419	1758	434	8204	17407	-8	157	17556
6	1814	22143	23957	1751	416	9120	17005	-6	139	17139
7	1358	21766	23124	1810	403	8449	16888	-21	131	16998
8	968	21771	22740	1787	405	7935	16996	-34	102	17064
9	1084	20961	22045	1749	404	6746	17452	-47	70	17475
10	1018	21230	22248	1749	402	6496	17903	-23	51	17931
11	1037	21573	22611	1810	398	6392	18427	16	36	18479
12	1133	21609	22742	1819	402	5945	19017	92	220	19329
13	1070	21801	22872	1780	392	4798	20246	43	447	20736
14	1355	21876	23231	1825	404	4565	20895	-27	254	21121
15	1466	21900	23365	1807	399	4330	21241	-7	185	21418
16	1825	22274	24099	1829	423	4736	21615	68	6	21689
17	1854	22519	24373	1787	443	5583	21020	85	7	21112
18	2098	22315	24413	1826	476	6557	20157	-14	6	20164
19	3019	22501	25520	1779	452	5878	21873	33	6	21911
20	3877	23011	26888	1776	461	6133	22991	44	6	23041
21	3672	23076	26747	1770	495	6223	22789	12	202	23003
22	3345	22947	26292	1786	517	6032	22563	59	6	22628
23	3367	22964	26330	1808	530	5859	22810	70	6	22885
24	3478	23001	26479	1758	541	6212	22566	81	258	22905

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

FOR THE MONTH OF MAY'2022

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 59.17 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 75.12 MU
DVC	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 0.00 MU
ODISHA	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 4.55 MU
WEST BENGAL	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 13.60 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

May-22

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-May	49.99	50.10	49.98	50.01	50.01	50.01	7.99	60.13	31.89	60.13	50.32	07:59:50	49.77	12:39:50	50.27	0:00	49.83	0:00
02-May	50.00	50.04	49.95	49.97	49.91	49.98	15.07	66.35	18.58	66.35	50.28	08:02:50	49.73	18:53:40	50.15	0:00	49.81	0:00
03-May	49.94	50.02	49.95	49.96	49.89	49.96	22.59	57.81	19.59	57.81	50.25	08:02:30	49.50	14:55:00	50.18	0:00	49.58	0:00
04-May	49.95	50.00	50.02	50.00	50.01	50.00	6.06	73.97	19.97	73.97	50.28	18:03:40	49.73	00:08:30	50.17	0:00	49.81	0:00
05-May	49.99	50.01	49.92	49.95	49.86	49.95	19.75	69.73	10.52	69.73	50.19	18:02:10	49.60	23:06:40	50.09	0:00	49.67	0:00
06-May	49.95	50.01	50.01	49.95	49.91	49.98	11.93	72.18	15.89	72.18	50.20	18:03:20	49.74	22:13:30	50.08	0:00	49.81	0:00
07-May	50.00	50.03	49.98	50.01	49.89	49.99	10.90	71.50	17.60	71.50	50.19	18:02:40	49.73	23:10:00	50.12	0:00	49.83	0:00
08-May	49.99	50.04	49.99	49.96	49.98	49.99	5.64	74.86	19.50	74.86	50.19	09:01:50	49.59	19:27:00	50.13	0:00	49.73	0:00
09-May	50.01	50.03	49.99	50.00	49.93	50.00	4.63	76.38	18.99	76.38	50.16	06:02:50	49.80	22:22:00	50.10	0:00	49.87	0:00
10-May	49.94	49.99	49.97	49.95	49.98	49.96	14.64	75.44	9.92	75.44	50.16	13:03:10	49.76	22:13:10	50.07	0:00	49.84	0:00
11-May	50.01	49.97	49.98	50.01	50.00	49.99	5.25	82.06	12.69	82.06	50.14	18:01:10	49.77	13:43:40	50.07	0:00	49.84	0:00
12-May	50.01	50.03	50.03	50.00	50.02	50.02	1.35	71.09	27.56	71.09	50.16	17:04:20	49.83	19:13:40	50.13	0:00	49.90	0:00
13-May	49.99	50.03	49.99	50.00	50.00	50.00	1.47	80.59	17.94	80.59	50.20	08:02:20	49.81	16:16:00	50.12	0:00	49.90	0:00
14-May	50.02	50.06	50.00	50.02	49.92	50.01	4.07	66.28	29.65	66.28	50.19	07:04:50	49.77	22:37:30	50.14	0:00	49.82	0:00
15-May	50.00	50.05	50.00	49.99	50.07	50.01	5.17	65.94	28.89	65.94	50.24	08:02:30	49.76	20:22:40	50.16	0:00	49.72	0:00
16-May	50.00	50.03	50.00	50.01	50.00	50.01	1.52	78.10	20.38	78.10	50.23	00:00:20	49.73	14:57:00	50.11	0:00	49.83	0:00
17-May	49.96	49.98	49.98	49.99	49.92	49.97	10.74	80.60	8.66	80.60	50.15	18:01:10	49.60	05:11:50	50.06	0:00	49.80	0:00
18-May	49.87	49.95	49.94	49.94	49.85	49.92	30.63	64.04	5.33	64.04	50.12	13:01:30	49.67	23:07:30	50.06	0:00	49.67	0:00
19-May	49.92	49.99	50.00	49.96	49.91	49.97	13.99	75.66	10.35	75.66	50.12	07:01:00	49.87	00:06:40	50.06	0:00	49.76	0:00
20-May	50.00	50.03	50.00	50.01	50.01	50.01	0.76	79.98	19.26	79.98	50.18	07:02:10	49.73	00:23:10	50.10	0:00	49.93	0:00
21-May	50.03	50.06	50.03	50.05	49.93	50.03	2.85	57.72	39.43	57.72	50.25	16:35:20	49.72	23:10:10	50.27	0:00	49.81	0:00
22-May	50.01	50.12	50.02	49.96	49.99	50.02	4.12	68.70	27.18	68.70	50.35	08:02:00	49.75	18:57:00	50.31	0:00	49.83	0:00
23-May	50.01	50.15	49.99	50.01	50.02	50.03	3.31	63.85	32.84	63.85	50.35	09:07:20	49.75	14:32:50	50.31	0:00	49.82	0:00
24-May	49.95	49.96	49.96	49.97	49.88	49.95	22.40	68.01	9.59	68.01	50.19	13:02:40	49.70	05:28:30	50.13	0:00	49.77	0:00
25-May	49.95	49.95	49.95	49.96	49.87	49.94	25.25	68.33	6.41	68.33	50.12	22:02:30	49.68	23:06:20	50.06	0:00	49.76	0:00
26-May	49.98	50.01	50.01	50.00	49.96	50.00	4.09	76.48	19.43	76.48	50.28	08:01:40	49.75	22:19:30	50.18	0:00	49.85	0:00
27-May	50.00	50.05	50.00	49.98	49.96	50.00	3.07	76.83	20.10	76.83	50.26	08:00:40	49.76	19:51:40	50.20	0:00	49.84	0:00
28-May	49.96	50.02	49.97	49.95	49.89	49.97	16.80	72.20	11.00	72.20	50.16	18:03:20	49.66	23:09:10	50.11	0:00	49.75	0:00
29-May	49.99	50.00	49.97	49.98	49.90	49.98	9.76	80.95	9.29	80.95	50.18	18:04:30	49.71	21:08:50	50.11	0:00	49.79	0:00
30-May	49.95	49.96	49.97	49.98	49.97	49.97	14.83	77.38	7.79	77.38	50.31	16:46:40	49.69	05:47:50	50.22	0:00	49.76	0:00
31-May	49.98	50.01	49.99	49.97	49.97	49.99	4.15	85.65	10.20	85.65	50.17	18:03:50	49.81	12:50:20	50.10	0:00	49.89	0:00
MAX	50.03	50.15	50.03	50.05	50.07	50.03	30.63	85.65	39.43	85.65	50.35		49.87		50.31		49.93	
MIN	49.87	49.95	49.92	49.94	49.85	49.92	0.76	57.72	5.33	57.72	50.12		49.50		50.06		49.58	
AVG	49.98	50.02	49.98	49.98	49.95	49.99	9.83	72.22	17.95	72.22	50.21		49.72		50.14		49.80	

SUMMARY:

Avg. Frequency :

49.99 Hz.

Instantaneous Frequency :

Maximum Frequency : 50.35 Hz at 08:02 Hrs.

Minimum Frequency : 49.50 Hz at 14:55 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.31 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.58 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	9.83	72.22	17.95

VOLTAGE ANALYSIS

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

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	420	400	410	396	424	395	420	400

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	416	386	414	387	404	392	417	400

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
May-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	
			(31-05-22)	(31-05-21)		
Hirakud	192	180	183.68	184.16	186.00	01.05.22
Balimela	462	439	442.51	446.14	444.46	01.05.22
Rengali	123	109	110.87	114.40	115.27	01.05.22
Upperkolab	858	844	845.46	845.72	846.04	01.05.22
Indravati	642	625	629.52	630.18	629.66	01.05.22
Subernrekha	590	580	584.64	585.58	584.76	01.05.22

B.

CPP/IPP IMPORT by Eastern Region Constituents during
May-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	43.75
West Bengal	75.74	23.96	0	0	0	0	0	194.65	294.35
ODISHA	0	0	32.14	347.73	5.50	0.00	0	473.52	858.88
DVC	0	0	0	0	0	0	8.82	0	8.82
TOTAL	75.74	23.96	32.14	347.73	5.50	0.00	8.82	668.16	1205.79

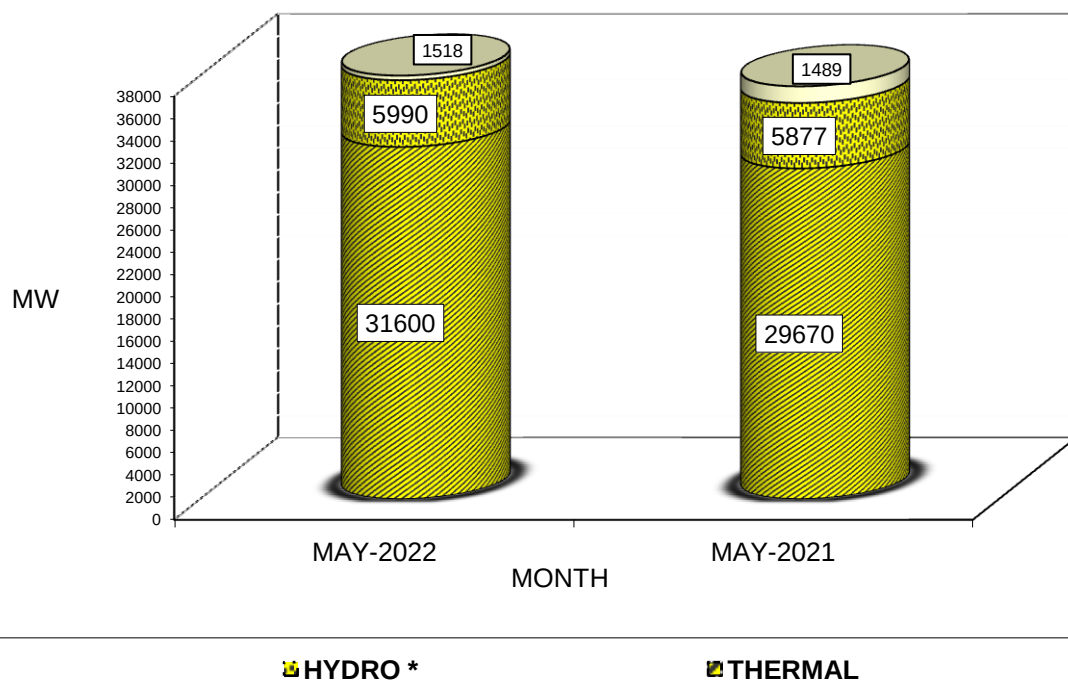
C.

Distribution of Schedule Supply among Key Customers by IPPs during
May-22

(All figs. are in MU)

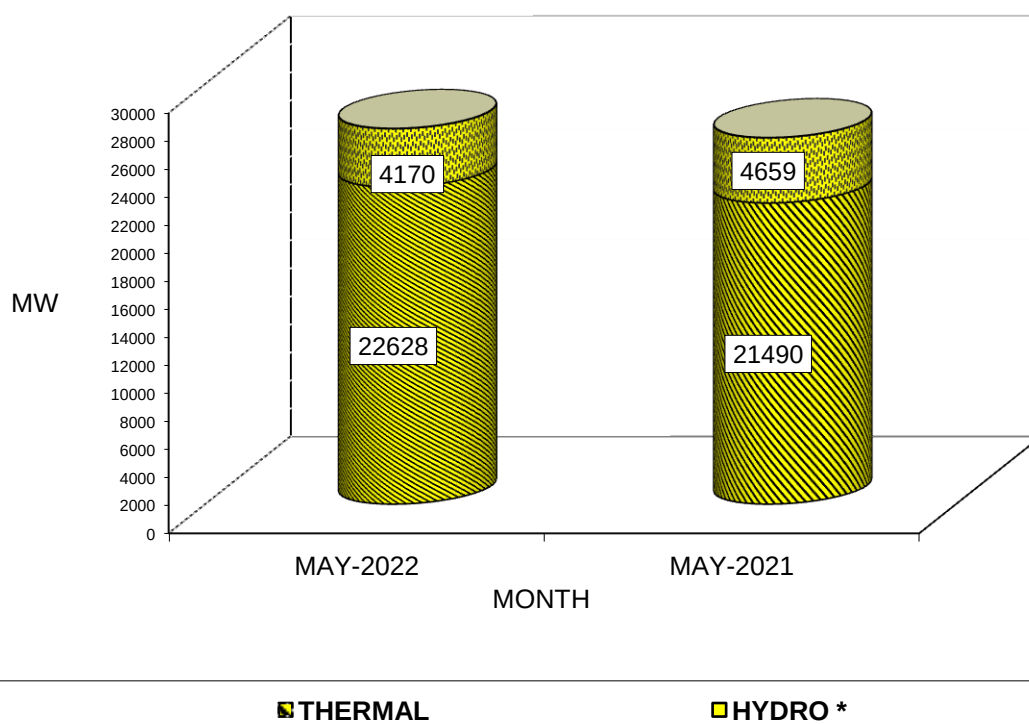
IPP	TPDDL	WBSEDCL/ WBPDCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	185.07	179.29	92.77	0.00	0	0	148.60	605.73
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	7.00	0	21.11	0.00	97.73	226.17	352.01
Total	185.07	186.29	92.77	21.11	0.00	97.73	374.77	957.74

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



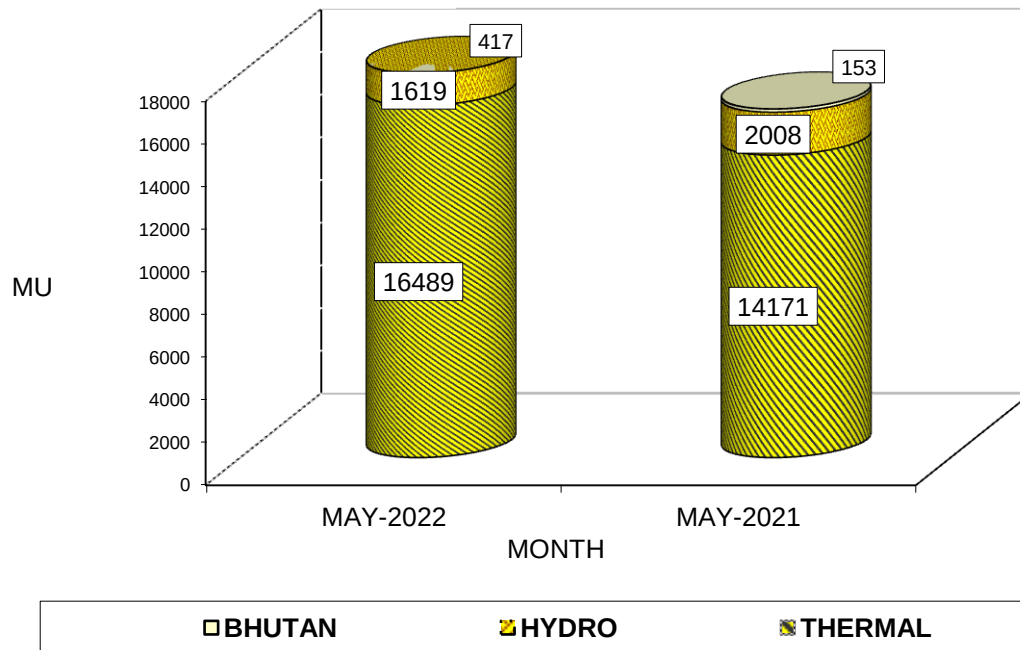
*Excludes contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

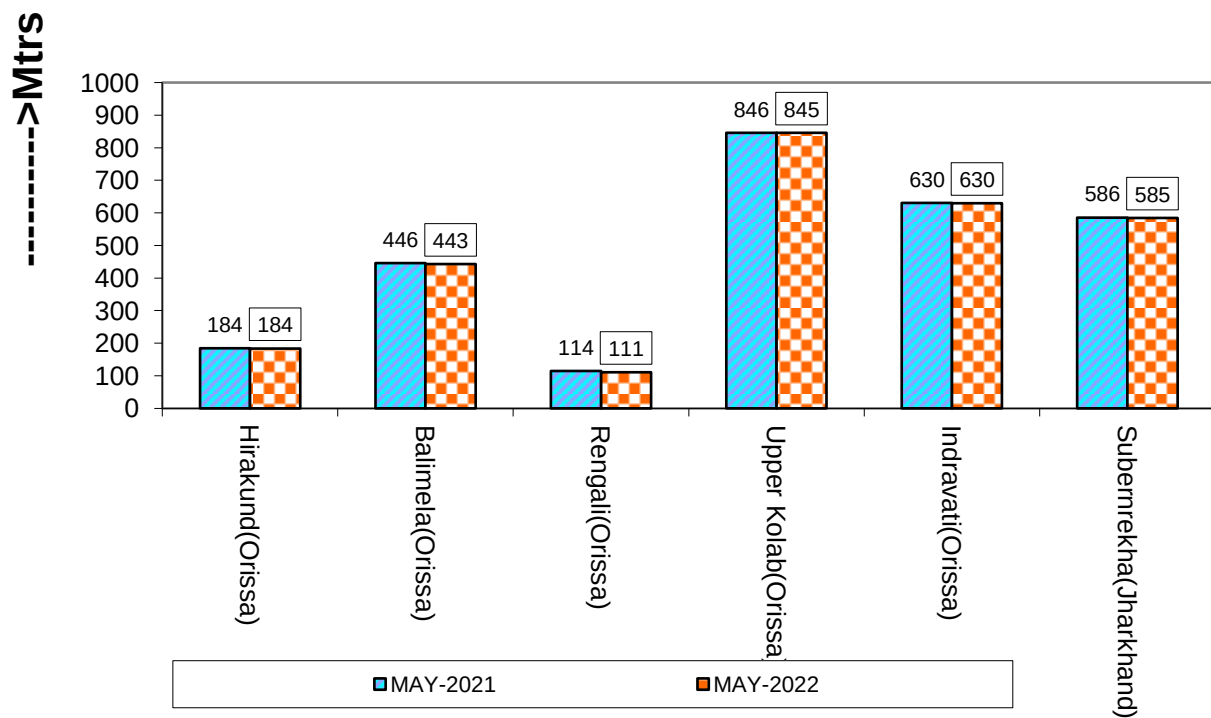


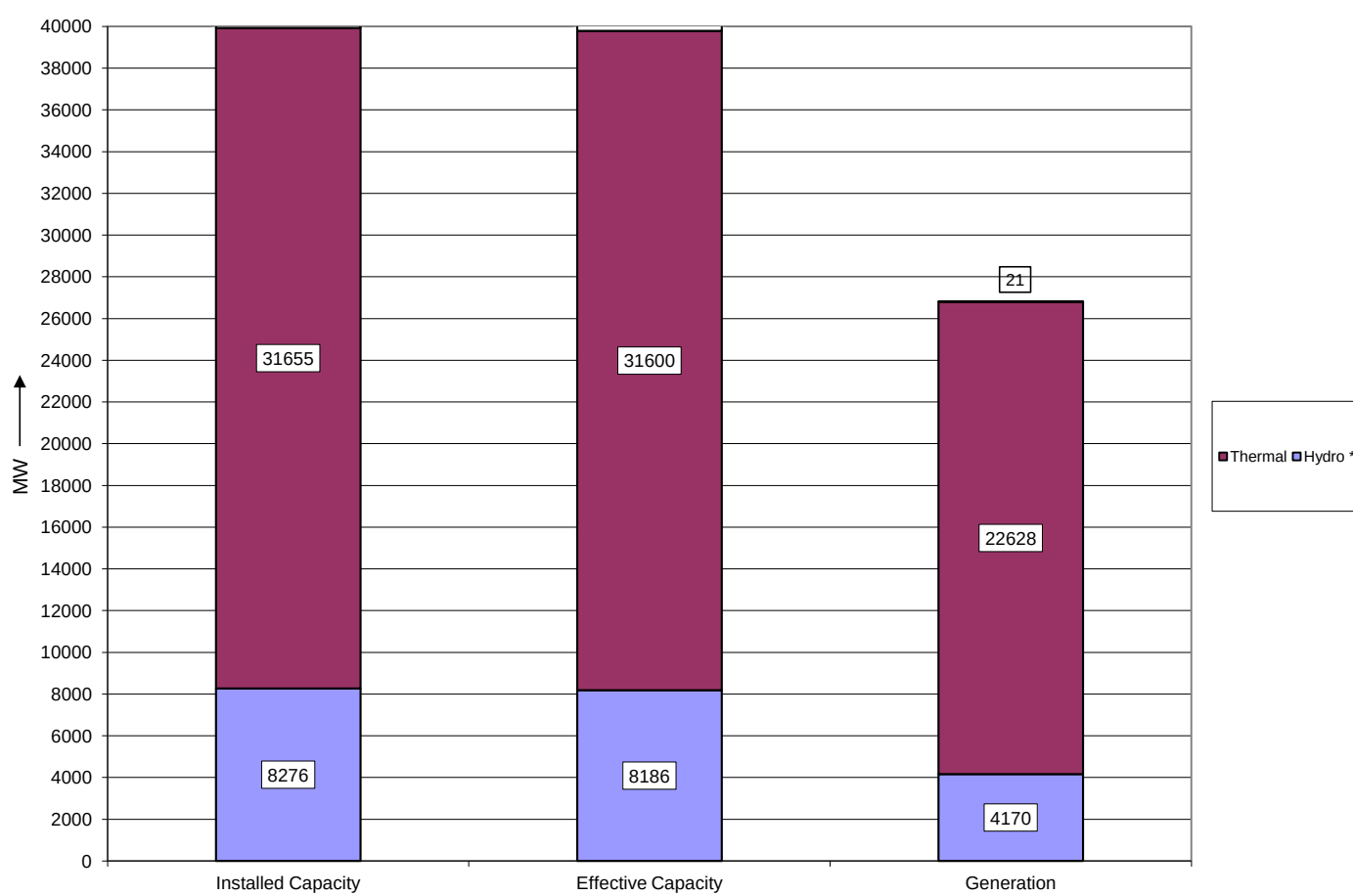
*Includes contribution from HEP of Bhutan

NET ENERGY GENERATION



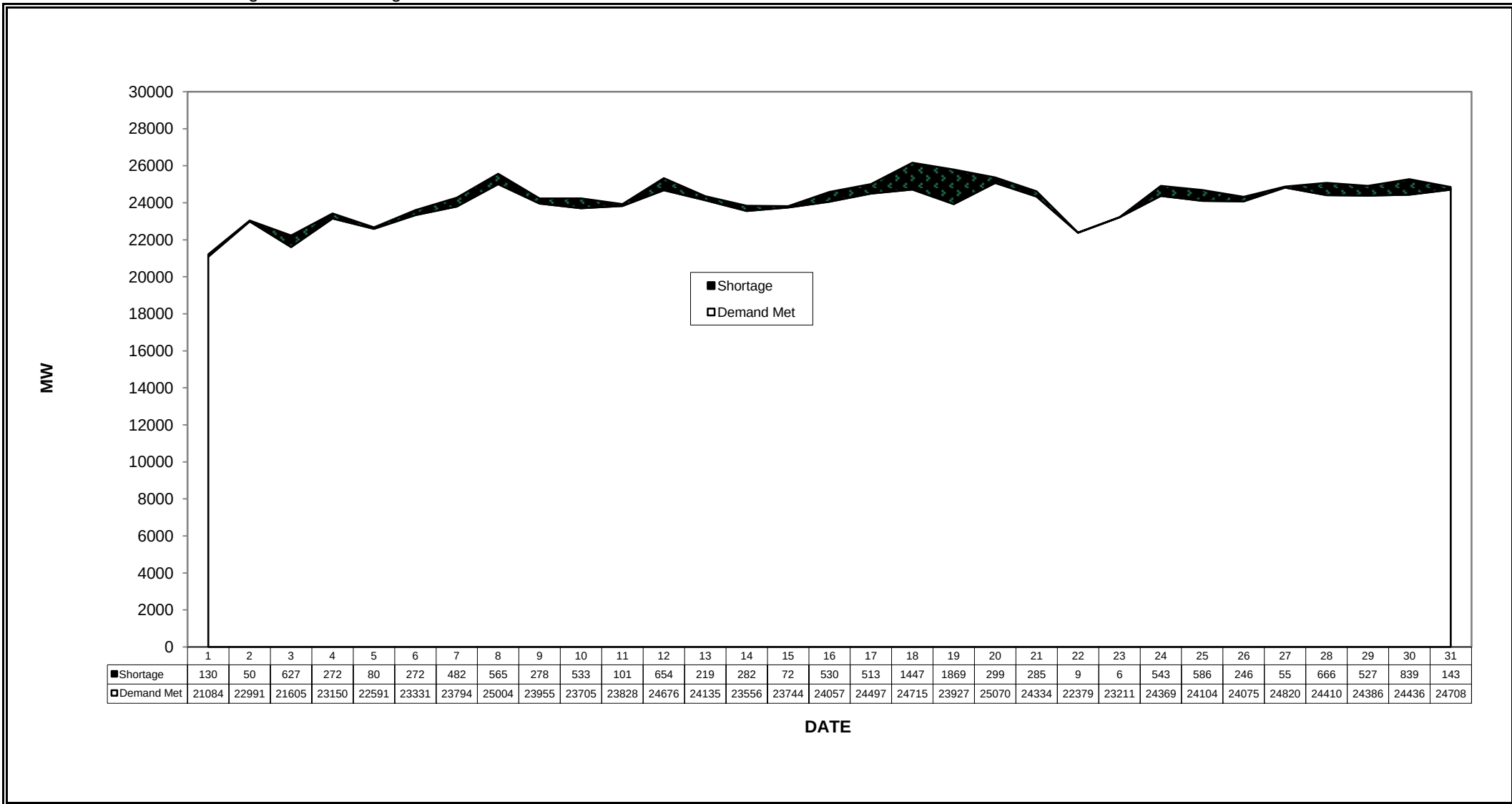
RESERVOIR LEVEL OF HPS OF ER (RECORDED ON LAST DAY OF MONTH)



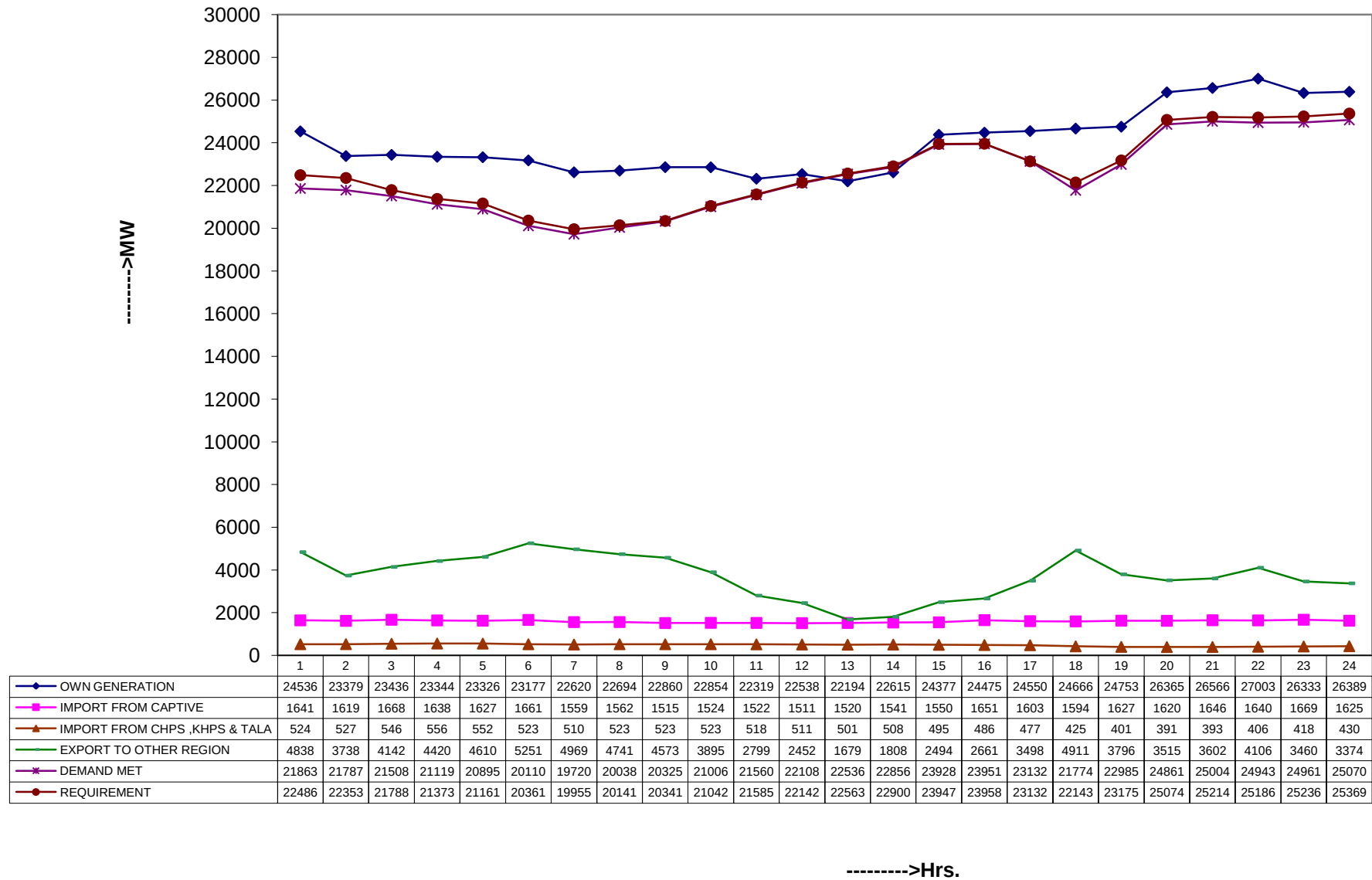
Capacity / Actual Generation Pattern of ER on Peak Day (20-5-2022) at 24.00 hrs.

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

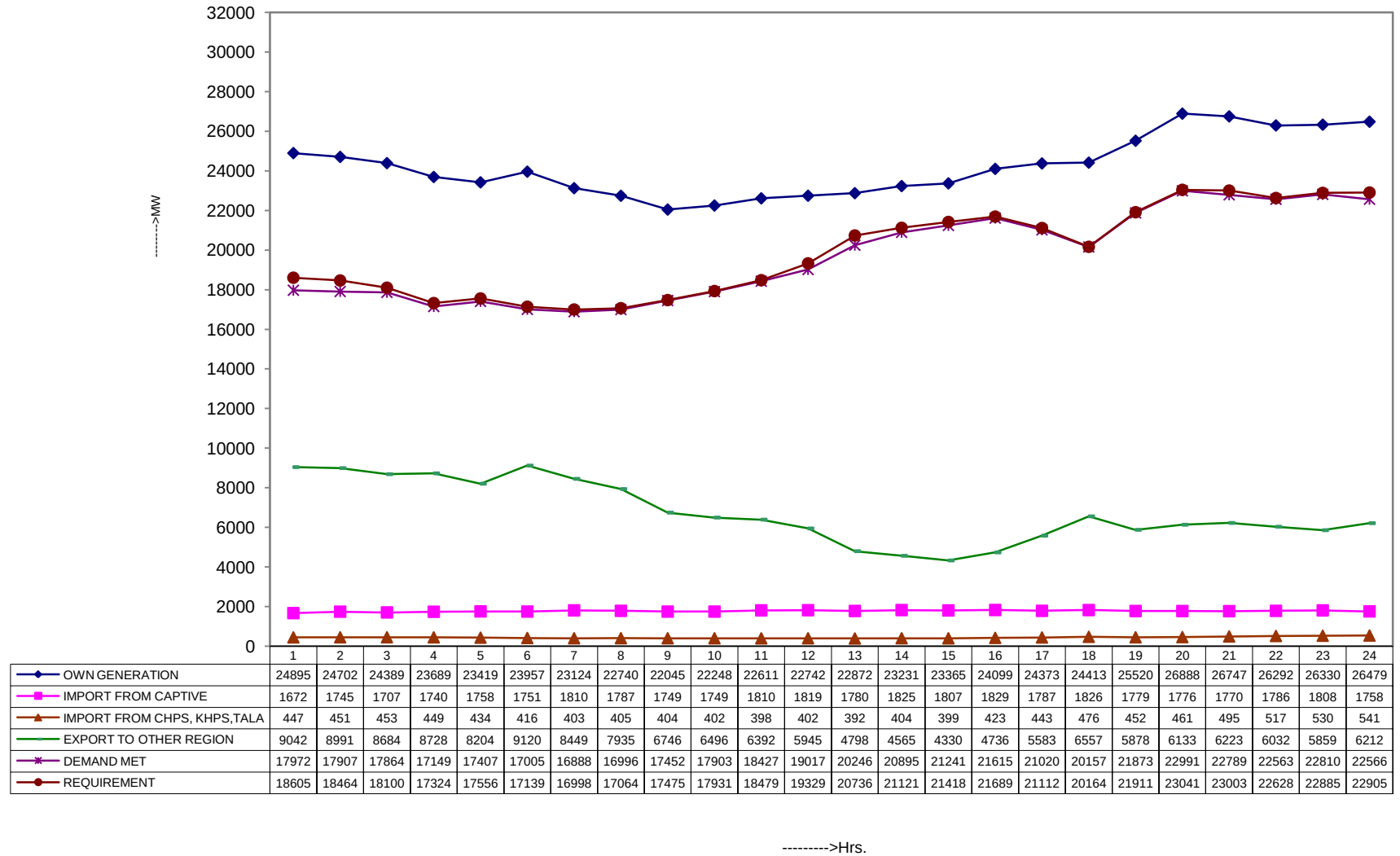
Peak Demand Met / Shortage of Eastern Region For The Month Of MAY'2022



Hourly Load Generation Data OF ER on Regional Peak Day During The Month of MAY'2022 (20-5-2022)

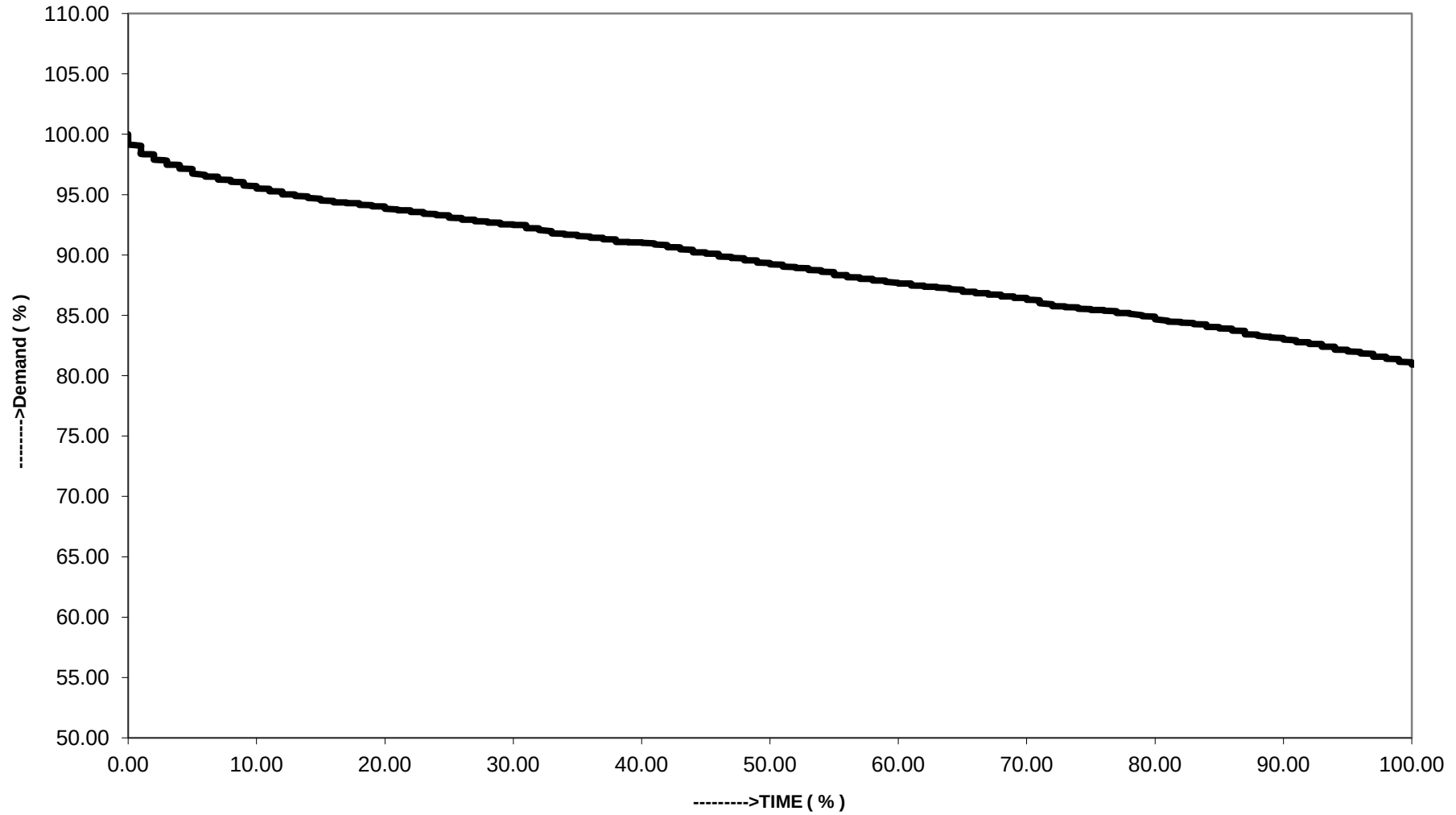


Hourly Load Generation Data of ER On Regional Lean Day During The Month of MAY'2022 (2-5-2022)



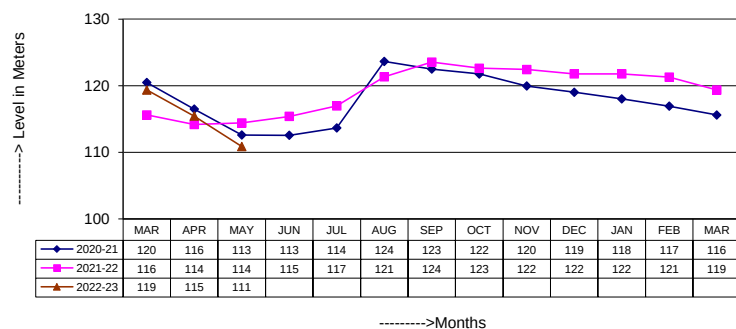
Monthly Load Duration Curve of Eastern Region for MAY-2022

Maximum Demand met : 25070 MW
Minimum Demand met: 16888 MW

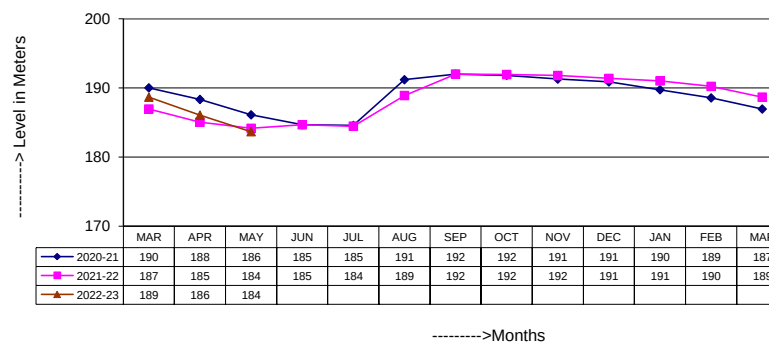


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

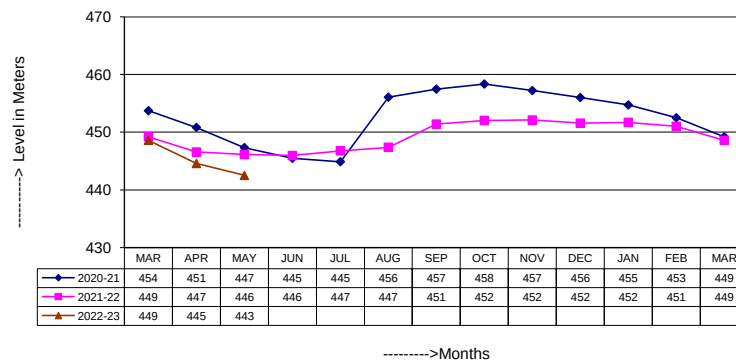
RENGALI RESERVOIR LEVEL



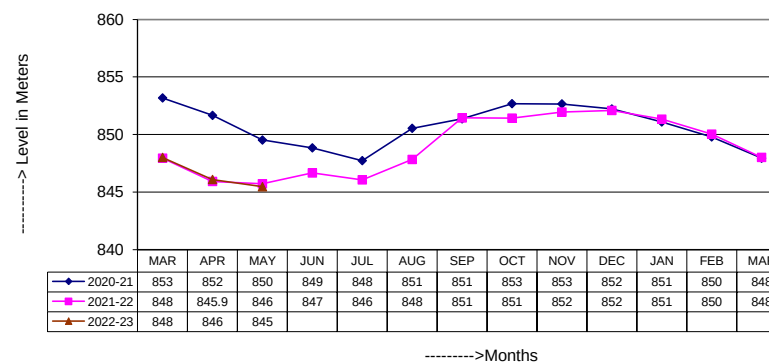
HIRAKUD RESERVOIR LEVEL



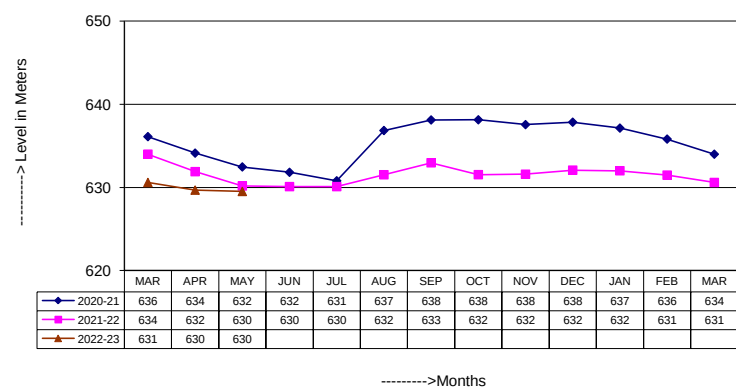
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

