



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/2021-22/154

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सेवा में : (संलग्न सूची के अनुसार)

To: As per enclosed list.

विषय : मार्च, 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 March, 2022 on ERPC website.

महोदय / Sir ,

पूर्वी क्षेत्रीय विद्युत समिति की मार्च, 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 March, 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

02/5/2022

(Swapan Roy)

अधीक्षक अभियंता

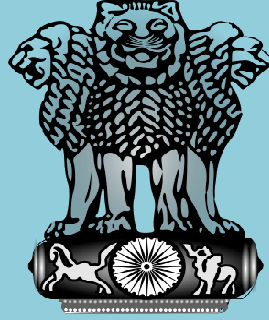
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Government of India

विद्युतमंत्रालय

Ministry of Power

पूर्वी क्षेत्रीय विद्युत समिति

EASTERN REGIONAL POWER COMMITTEE

मासिक प्रगति रिपोर्ट

PROGRESS REPORT FOR THE MONTH OF

मार्च - 2022

March-2022



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Highlights of Eastern Regional Power System for March- 2022

- The **Maximum Net Demand** met of Eastern Region (ER) during the month of **Mar, 2022** was **24582 MW** which is 2.36% more than the **Mar, 2021** (24016 MW). Individual **Peak Demand (MW)** of most of the constituents **increased (except CESC)** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Mar, 2022** was **474.37 MU** (excluding export), which is 4.80% more than the corresponding period of last year (452.63 MU).
- **The Average regional PLF of thermal units during the month is 81.73 %**, which is 2.50% more than the corresponding period of the last year (**79.23%**).
Bakreswar TPP (WBPDCL) registered the highest PLF of 100.07%, followed by Sagardighi TPP (WBPDCL) 98.22% and NSTPS (NTPC) 97.67% during the month of **Mar, 2022**.
- **Maximum Net generation** was **29474.34 MW** against total **Effective Capacity of 41303.41 MW** (including import from Bhutan). At the time of Regional peak (**24582 MW** on 30.03.2022 at 21.00 hrs.), the generation was **28868 MW**, import from CPP was 1342 MW and Net export was 5628 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 73.41% of time during the month. **Average frequency** for the month was **49.97 Hz**. The instantaneous maximum and minimum frequency were 50.30 Hz and 49.54 Hz, respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.13 Hz** and **49.59 Hz** respectively (**refer Annexure-I**).
- **At 400 kV voltage level**, the **maximum Voltage** recorded was 422 KV at Binaguri 400 KV S/s whereas the minimum voltage recorded 382 KV at Muzaffarpur 400 KV S/s of Power grid.
- The **Maximum Export from ER to outside region** was **11655 MW (including Nepal and Bangladesh)** on **10th Mar, 2022** at **08:00 hrs**. Total net energy export during the month was **5479.82 MU (Inc.Transmission loss)** which corresponds to **28.53 %** of Ex-bus total generation **19205.63 MU** of Eastern Region.
- The import from CPPs was 979.68 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	5427	349	2168.44
WR	2762	2156	288.03
SR	4293	0	2344.54
NER	1014	1184	-37.89
BANGLADESH	937.96		572.57
NEPAL (via-CTU)	410.18		144.13
Chukha, Kurichu, Tala			0
Total			5479.82
NEPAL by Bihar(NBPDCL)			109

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Mar-22	MAR-2021	CHANGE	% CHANGE
1) Effective Capacity (end of the Month)					
THERMAL	(MW)	31600	30130	1470	4.88
HYDRO	(MW)	5990	\$ 5877	113	2
DIESEL	(MW)	0	0	0	0
RES	(MW)	1518	1489	0	0
TOTAL	(MW)	39107	37495	1612	4.30
2) Peak Demand (MW)		24762	24016	746	3.11
3) Peak Demand Met (MW)		24582	24016	566	2.36
4) Shortage (MW)		180	0	180	0.00
5) % Shortage		0.73	0.00	0.73	0.00
6) Average Energy Requirement Per Day (MU)		479.88	455.10	24.78	5.44
7) Average Energy Availability Per Day (MU)		474.37	452.63	21.74	4.80
8) Average Shortage Per Day (MU)		5.51	2.48	3.03	--
9) % Shortage		1.15	0.54	0.61	--
10) Net Generation for the Month					
Thermal (MU)		17928.57	16598.16	1330.41	8.02
Hydro (MU)		1157.03	* 1026.20	130.84	12.75
RES (MU)		120.02	111.41	0.00	-
Total (MU)		19205.63	17735.76	1469.86	8.29
11) Generation at the Time of Max. Regional Demand Met (30-03-22 at 21.00 Hrs.)					
Thermal (MW)		24190	21168	3022	14.28
Hydro (MW)		4654	* 3555	1099	30.93
RES(MW)		24	22	2	10.58
Total (MW)		28868	24744	4124	16.66
12) Inter-Regional Energy Transfer					
Export (MU)		5517.71	5138.77	378.94	7.37
Import (MU)		37.89	592.22	-554.34	-93.60
Net Exp.(+)/Net Imp.(-) (MU)		5479.82	4546.55	933.27	20.53
13) Import From Captive(MU)		979.68	842.24	137.44	16.32
14) Peak Inter Regional Power Transfer					
Max Export (MW) on 10-03-22 at 08.00Hrs		11655	10330	1325	12.83
Max Import (MW) on 29-03-22 at 23.00Hrs		2156	3829	-1674	-43.71
Max Net Export(+)/Import (-) (MW)		11366	9955	1411	14.17
15) Maximum voltage recorded		422	BINAGURI	400 kv s/s	
16) Minimum voltage recorded		382	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 MAR'2022

A) Net Average Energy Per Day

System	Requirement Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	100.17	101.95	1.78	1.74
JUVNL	30.69	34.07	3.38	9.91
DVC	71.84	71.93	0.09	0.12
ODISHA	111.45	111.59	0.13	0.12
WBSEDCL	129.66	129.85	0.19	0.15
CESC	28.72	28.76	0.03	0.12
SIKKIM	1.73	1.73	0.00	0.12
REGION	474.37	479.88	5.51	1.15

B) Peak Demand in MW:

System	Demand Met (MW)	Demand (MW)	Shortage (MW)	% Shortage
BSPHCL	5651	6002	351	5.84
JUVNL	1605	1887	282	14.92
DVC	3338	3355	17	0.50
ODISHA	5370	5389	19	0.36
WBSEDCL	7326	7342	16	0.22
CESC	1766	1768	2	0.1
SIKKIM	122	122	0	0.00
REGION	24582	24762	180	0.73

➤ DIVERSITY FACTOR : 1.02

➤ Regional Peak Demand Met on 30-3-2022 at 21.00 hrs. at 49.94 Hz.

CONSTITUENT-WISE PERFORMANCE DATA MAR-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 Met (MW)	Gross Peak Demand Met (MW)
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total						
BSPHCL	0.00	193.02	31.78	224.80	0.00	19.47	0.00	19.47	0.00	173.55	31.78	205.33	0.00	2900.07	3105.40	110.9	5651	5677
JUVNL	5.82	230.43	0.00	236.25	0.01	20.67	0.00	20.68	5.81	209.76	0.00	215.57	15.64	720.32	951.52	34.0	1605	1634
DVC	17.18	4130.01	0.00	4147.19	0.15	286.21	0.00	286.36	17.03	3843.80	0.00	3860.83	11.42	-1645.14	2227.11	79.5	3338	3720
ODISHA(OPGC+OHPC+TTPS)	355.78	1022.84	71.13	1449.74	2.78	70.94	0.00	73.72	353.00	951.90	71.13	1376.03	664.31	1414.70	3455.04	123.4	5370	5435
WBPDCL+WBSEDCL+DPL	118.22	3123.64	14.87	3256.73	0.00	262.14	0.00	262.14	118.22	2861.49	14.87	2994.59	288.31	736.62	4019.51	143.6	7326	7759
CESC	0.00	537.47	0.00	537.47	0.00	40.62	0.00	40.62	0.00	496.85	0.00	496.85	0.00	393.49	890.34	31.8	1766	1836
HEL	0.00	391.71	0.00	391.71	0.00	29.84	0.00	29.84	0.00	361.86	0.00	361.86	0.00	-361.86				
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	52.70	53.70	1.9		
NTPC	0.00	7606.78	1.25	7608.02	0.00	497.92	0.00	497.92	0.00	7108.86	1.25	7110.10	0.00	-7110.10				
MPL	0.00	406.33	0.00	406.33	0.00	25.29	0.00	25.29	0.00	381.04	0.00	381.04	0.00	-381.04				
APNRL	0.00	375.25	0.00	375.25	0.00	31.44	0.00	31.44	0.00	343.81	0.00	343.81	0.00	-343.81				
GMR	0.00	433.20	0.00	433.20	0.00	28.09	0.00	28.09	0.00	405.11	0.00	405.11	0.00	-405.11				
JITPL	0.00	844.39	0.00	844.39	0.00	53.85	0.00	53.85	0.00	790.54	0.00	790.54	0.00	-790.54				
NHPC (Inc TLDP= 37.84 MU)	207.22	0.00	0.00	207.22	0.00	0.00	0.00	0.00	207.22	0.00	0.00	207.22	0.00	-207.22	0.00			
CHUZACHEN HPS	12.85	0.00	0.00	12.85	0.00	0.00	0.00	0.00	12.85	0.00	0.00	12.85	0.00	-12.85	0.00			
DIKCHU HPS	14.66	0.00	0.00	14.66	0.00	0.00	0.00	0.00	14.66	0.00	0.00	14.66	0.00	-14.66	0.00			
JORHANG HPS	14.36	0.00	0.00	14.36	0.00	0.00	0.00	0.00	14.36	0.00	0.00	14.36	0.00	-14.36	0.00			
TASHIDING HPS	12.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	-12.00	0.00			
TEESTA-III HPS	267.31	0.00	0.00	267.31	0.00	0.00	0.00	0.00	267.31	0.00	0.00	267.31	0.00	-267.31	0.00			
RONGNICHU HEP	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			
CHPC(Birpara Receipt)	19.04	0.00	0.00	19.04	0.00	0.00	0.00	0.00	19.04	0.00	0.00	19.04	0.00	-19.04	0.00			
KHPS	5.36	0.00	0.00	5.36	0.00	0.00	0.00	0.00	5.36	0.00	0.00	5.36	0.00	-5.36	0.00			
THPS	12.30	0.00	0.00	12.30	0.00	0.00	0.00	0.00	12.30	0.00	0.00	12.30	0.00	-12.30	0.00			
DAGACHU HPS	19.40	0.00	0.00	19.40	0.00	0.00	0.00	0.00	19.40	0.00	0.00	19.40	0.00	-19.40	0.00			
Mangdechhu HEP	78.49	0.00	0.00	78.49	0.00	0.00	0.00	0.00	78.49	0.00	0.00	78.49	0.00	-78.49	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar & Others														2.85	2.85			
Total	1159.97	19295.05	120.02	20575.05	2.94	1366.49	0.00	1369.43	1157.03	17928.56	120.02	19205.62	979.68	-5479.83	14705.47	474.37	24582	26192

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

A) Net Average Energy

Month	2020-21					2021-22				
	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	323.27	324.20	0.93	0.29	50.00	495.89	497.87	1.98	0.40	49.99
MAY	355.60	360.37	4.77	1.32	50.00	429.83	430.89	1.06	0.25	49.99
JUNE	425.23	425.91	0.69	0.16	50.00	462.07	462.84	0.77	0.17	49.99
JULY	447.56	448.25	0.70	0.16	49.99	498.44	500.02	1.57	0.31	50.00
AUGUST	447.69	449.62	1.93	0.43	49.99	501.37	505.13	3.76	0.74	49.99
SEPTEMBER	465.31	465.52	0.20	0.04	49.99	485.60	489.40	3.80	0.78	50.00
OCTOBER	448.87	448.96	0.09	0.02	50.00	453.17	458.67	5.51	1.20	49.98
NOVEMBER	358.25	358.45	0.20	0.06	49.99	388.80	390.35	1.55	0.40	49.99
DECEMBER	361.19	361.95	0.76	0.21	50.00	384.67	388.30	3.63	0.94	49.99
JANUARY	385.74	386.81	1.07	0.28	49.99	409.39	412.33	2.94	0.71	49.99
FEBRUARY	395.83	397.69	1.86	0.47	49.99	409.74	412.62	2.87	0.70	49.99
MARCH	452.63	455.10	2.48	0.54	49.99	474.37	479.88	5.51	1.15	49.97

B) Peak in MW:

Month	2020-21					2021-22				
	Demand Met (MW)	Demand (MW)	Shortage (MW)	Shortage (%)	Avg. Freq. (HZ)	Demand Met (MW)	Demand (MW)	Shortage (MW)	Shortage (%)	Avg. Freq. (HZ)
APRIL	18093	18302	209	1.14	50.00	24405	24405	0.00	0.00	49.99
MAY	20166	20306	140	0.69	50.00	24191	24191	0.00	0.00	49.99
JUNE	21832	21989	156	0.71	50.00	23494	23521	28	0.12	49.99
JULY	22643	22735	92	0.40	49.99	25145	26019	874	3.36	50.00
AUGUST	22192	22399	207	0.92	49.99	24157	24236	79	0.33	49.99
SEPTEMBER	23563	23619	56	0.24	49.99	25010	25454	445	1.75	50.00
OCTOBER	23374	23374	0	0.00	50.00	23675	23979	304	1.27	49.98
NOVEMBER	20406	20465	59	0.29	49.99	20961	20998	37	0.18	49.99
DECEMBER	19546	19697	151	0.77	50.00	20631	20992	362	1.72	49.99
JANUARY	20496	20703	207	1.00	49.99	21204	21396	191	0.89	49.99
FEBRUARY	20643	20854	211	1.01	49.99	21198	21540	342	1.59	49.99
MARCH	24016	24016	0	0.00	49.99	24582	24762	180	0.73	49.97

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF MAR -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 (2021-22) in MU	Cummulative Net Energy Generation upto Current Month (2021-22) in MU
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	18.86	16.19	97.50	74.65
	Thermal	Barauni (U# 8)	250.00	250.00	4.71	3.17	1588.08	1421.94
		Barauni (U# 9)	250.00	250.00	169.45	154.44	725.09	658.80
	(Dedicated for Bihar)	Muzaffarpur Stg-I	220.00	220.00	0.00	-0.25	247.19	209.85
		Thermal Total	940.00	930.00	193.02	173.55	2657.87	2361.17
	RES		354.91	354.91	31.78	31.78	315.60	315.60
		Total BIHAR	1294.91	1284.91	224.80	205.34	2973.47	2676.77
JHARKHAND								
JHARKHAND	Thermal	TVNL	420.00	420.00	230.43	209.76	1767.12	1582.36
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	5.82	5.81	302.47	302.42
	RES		60.41	60.41	0.00	0.00	0.00	0.00
		Total	190.41	190.41	5.82	5.81	302.47	302.42
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	-0.54	0.00	-9.43
		Chandrapura(U7 # 8)	500.00	500.00	351.98	318.27	3816.85	3456.04
		Durgapur(4)	210.00	210.00	41.92	35.60	215.12	177.82
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	848.51	760.19	8190.96	7323.99
		Mejia(U # 7,8)	1000.00	1000.00	622.08	587.72	6408.20	6018.40
		Bokaro-A(1)	500.00	500.00	358.95	341.28	2996.85	2823.52
		Durgapur STPS (U#1,2)	1000.00	1000.00	615.39	581.66	6138.49	5794.20
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	580.55	545.11	6078.72	5696.24
		Koderma STPS (U#1,2)	1000.00	1000.00	710.63	674.51	6930.29	6556.51
		Total Thermal	6750.00	6750.00	4130.01	3843.80	40775.46	37837.29
Hydro	Maithon (U#1,2,3)	63.20	63.20	9.28	9.25	221.42	221.05	
	Panchet (U#1,2)	80.00	80.00	7.90	7.79	245.46	244.00	
	Tilaiya (U#1,2)	4.00	4.00	0.00	0.0	22.02	21.9	
	Hydro Total	147.20	147.20	17.18	17.03	488.90	486.95	
	Total DVC	6897.20	6897.20	4147.19	3860.83	41264.36	38324.24	
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	320.00	275.00	176.79	160.12	1730.09	1556.20
		Santalidih TPS(U#5&6)	500.00	500.00	360.30	332.06	3904.04	3584.63
		Kolaghat TPS	840.00	840.00	414.04	367.04	4271.63	3793.17
		Bakreswar TPP	1050.00	1050.00	781.75	718.85	8313.79	7604.21
		Sagardighi TPP	1600.00	1600.00	1169.21	1084.11	11885.72	10989.07
		DPPS (300+250 *)	550.00	550.00	221.55	199.32	2568.16	2304.89
		Thermal Total	4860.00	4815.00	3123.64	2861.49	32673.43	29832.17
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	6.92	6.92	178.13	178.13
		Rammam (4x12.73)	51.00	51.00	8.96	8.96	268.31	268.31
		Teesta C.F. (3x3x7.5)	67.50	67.50	4.62	4.62	72.69	72.69
		Purulia PSS (4x225)	900.00	900.00	97.72	97.72	1183.40	1183.40
		Total Hydro	1053.50	1053.50	118.22	118.22	1702.52	1702.52
		RES	500.76	500.76	14.87	14.87	170.68	170.68

➤ DVC, BTPS*B* U#3 210 MW de- commissioned from 01.04.2021

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF MAR -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 (2021-22) in MU	Cummulative Net Energy Generation upto Current Month (2021-22) 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	25.26	23.09	164.03	149.21		
		Budge-Budge (3x250)	750.00	750.00	512.21	473.76	5562.03	5131.94		
		Total CESC	1125.00	1125.00	537.47	496.85	5726.06	5281.16		
HEL	Thermal	HEL	600.00	600.00	391.71	361.86	4275.64	3948.14		
		Total West Bengal	8139.26	8094.26	4185.90	3853.30	44548.33	40934.66		
OPGC	Thermal	IB TPS	420.00	420.00	265.03	235.82	2955.80	2648.22		
		IB TPS U#3(660 MW)	660.00	660.00	446.48	421.89	3344.41	3132.31		
		IB TPS U#4(660 MW)	660.00	660.00	311.34	294.19	3723.83	3485.29		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	40.78	40.61	707.38	704.98		
		Hirakud-II (Chiplima)	72.00	72.00	25.46	25.37	268.23	267.15		
		Balimela (6x60+2x75)	510.00	510.00	94.58	93.89	1062.08	1053.48		
		Rengali (5x50)	250.00	250.00	63.73	63.63	866.36	864.91		
		Upper Kolab (4x80)	320.00	320.00	64.79	64.55	451.19	448.27		
		Indravati HPS (4x150)	600.00	600.00	47.36	45.87	1156.64	1131.64		
		Mckd.(Odisha drawal)	57.38	57.38	19.07	19.07	277.30	277.30		
		Total Hydro	2084.88	2084.88	355.78	353.00	4789.17	4747.73		
		RES	539.57	539.57	71.13	71.13	700.24	700.24		
		Total Odisha	4364.45	4364.45	1449.74	1376.03	15513.47	14713.80		
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00	1.00	17.00	17.00		
NTPC		MTPS Stg-II	390.00	390.00	288.0660682	261.36	2602.34	2340.18		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	983.90	906.91	9269.51	8495.95		
		FSTPP (U# 6)	500.00	500.00	316.56	295.62	3151.67	2909.14		
		KhSTPP (4x210+3x500)	2340.00	2340.00	1270.25	1178.45	16026.74	14891.76		
		TSTPP (2x500)	1000.00	1000.00	721.26	670.62	7257.16	6698.28		
		BARH STPS II (2X660)	1320.00	1320.00	861.02	813.33	7452.26	6990.30		
		BARH STPS I (1X660)	660.00	660.00	306.06	286.22	1700.12	1531.09		
		BRBCL # 1,2,3,4(4X250 MW)	1000	1000	658.33	608.43	5653.01	5204.45		
		BRBCL # 4 infirm			0.00	0.00	47.56	41.71		
		NSTPS U# I&2	1320.00	1320.00	959.20	917.10	7921.39	7499.04		
		NSTPS infirm			60.79	57.75	323.86	290.96		
		DSTPP #1&2	1600.00	1600.00	1181.34	1113.07	8917.63	8356.71		
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	290.27	233.37		
		Total NTPC	11730.00	11730.00	7606.78	7108.86	70613.51	65482.93		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	16.00	16.00	331.06	331.06
				Teesta (3x170)	510.00	510.00	142.42	142.42	2647.48	2647.48
				TLDP(4x33+4x40) for WBSUEDCL	292.00	292.00	48.80	48.80	1322.76	1322.76
Total NHPC	862.00			862.00	207.22	207.22	4301.30	4301.30		
MPL (U#1&2)	1050.00			1050.00	406.33	381.04	7489.22	7057.79		
APNRL (U#1,2)	540.00			540.00	375.26	343.81	3727.35	3406.18		
GMR (2x350)	700.00			700.00	433.20	405.11	4880.62	4550.33		
JITPL (2X600)	1200.00			1200.00	844.39	790.54	8559.41	8016.22		
CHUZACHEN** (2x55)	110.00			110.00	12.85	12.85	507.79	507.79		
JORETHANG (2x48)	96.00			96.00	14.36	14.36	442.63	442.63		
TEESTA URJA St III (6x200)	1200.00			1200.00	267.31	267.31	6257.96	6257.96		
Tashilding (2x48.5)	97.00			97.00	12.00	12.00	451.15	451.15		
DICKCHU (2x48)	96.00			96.00	14.66	14.66	484.49	484.49		
RONGNICHU HEP (2x56.5)					0.00	0.00	301.68	301.68		
TALCHER SOLAR	10.00			10.00	1.25	1.25	12.85	12.85		
Total Thermal (E.R)	31655.00			31600.00	19295.06	17928.57	193169.73	178621.56		
Total Hydro (E.R)	5989.58			5989.58	1025.39	1022.45	20030.07	19986.63		
Total RES	1517.83			1517.83	120.02	120.02	1216.38	1216.38		
EASTERN REGIONAL				TOTAL (E.R)	39162.41	39107.41	20440.47	19071.04	214416.18	199824.56
BHUTAN	Hydro			CHPC(4x90)	360.00	270.00	19.04	19.04	1716.81	1716.81
		Kurichu (4x15)	60.00	60.00	5.36	5.36	122.22	122.22		
		TALA (6x170)	1020.00	1020.00	12.30	12.30	2740.27	2740.27		
		DAGACHU (2x63)	126.00	126.00	19.40	19.40	500.53	500.53		
		MANGDECHU(4x180)	720.00	720.00	78.49	78.49	2860.48	2860.48		
		Grand Total	41448.41	41303.41	20575.05	19205.63	222356.49	207764.87		

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

ORGANISATION	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 (2021-22) in MU	Cummulative PLF upto Current Month (%)
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	18.86	0.00	97.50	4.28
	Thermal	Barauni (U# 8)	250.00	250.00	4.71	2.53	1588.08	72.52
		Barauni (U# 9)	250.00	250.00	169.45	91.10	725.09	75.07
	(Dedicated for Bihar)	Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	247.19	12.83
		Thermal Total	940.00	930.00	193.02	25.17	2657.87	37.71
	RES		354.91	354.91	31.78		315.60	
Total BIHAR			1294.91	1284.91	224.80		2973.47	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	230.43	73.74	1767.12	48.03
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	5.82		302.47	
	RES		60.41	60.41	0.00		0.00	
	Total		190.41	190.41	5.82		302.47	
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	351.98	94.62	3816.85	87.14
		Durgapur(4)	210.00	210.00	0.00	26.83	215.12	11.69
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	848.51	85.11	8190.96	69.78
		Mejia(U # 7,8)	1000.00	1000.00	622.08	83.61	6408.20	73.15
		Bokaro-A(1)	500.00	500.00	358.95	96.49	2996.85	68.42
		Durgapur STPS (U#1,2)	1000.00	1000.00	615.39	82.71	6138.49	70.07
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	580.55	65.03	6078.72	57.83
	Koderma STPS (U#1,2)	1000.00	1000.00	710.63	95.51	6930.29	79.11	
	Total Thermal		6750.00	6750.00	4130.01	82.24	40775.46	68.96
	Hydro	Maithon (U#1,2,3)	63.20	63.20	9.28		221.42	
		Panchet (U#1,2)	80.00	80.00	7.90		245.46	
		Tilaiya (U#1,2)	4.00	4.00	0.00		22.02	
Hydro Total		147.20	147.20	17.18		488.90		
Total DVC		6897.20	6897.20	4147.19		41264.36		
WEST BENGAL								
WBPDCL	Thermal	Bandel TPS	320.00	275.00	176.79	86.41	1730.09	59.87
		Santalalh TPS(U#5&6)	500.00	500.00	360.30	96.85	3904.04	89.13
		Kolaghat TPS	840.00	840.00	414.04	66.25	4271.63	58.05
		Bakreswar TPP	1050.00	1050.00	781.75	100.07	8313.79	90.39
		Sagardighi TPP	1600.00	1600.00	1169.21	98.22	11885.72	84.80
		DPPS (300+250 *)	550.00	550.00	221.55	54.14	2568.16	53.30
		Thermal Total	4860.00	4815.00	3123.64	87.19	32673.43	70.99
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	6.92		178.13	
		Rammam (4x12.73)	51.00	51.00	8.96		268.31	
		Teesta C.F. (3x3x7.5)	67.50	67.50	4.62		72.69	
		Purulia PSS (4x225)	900.00	900.00	97.72		1183.40	
		Total Hydro	1053.50	1053.50	118.22		1702.52	
		RES		500.76	500.76	14.87		170.68
DE-COMMISSIONED	WBPDCL,Bandel TPS Unit #3 & #4 (IC=2X82.5 MW,EC=2X60 MW) decommissioned from 01.04.2018.							
	NTPC, TTPS Odisha All Six units(4X62.5+2X110) decommissioned from 01.04.2021							
COMMISSIONED	DVC, BTSP(B) Unit #3 (210 MW) de-commissioned from 01.04.2021							
	DPL U#6 (110 MW) Decommissioned from 28.01.20 as per CEA.							
	CTPS U#6 (140 MW) Decommissioned from 19.03.2020 as per CEA.							
	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.NSTPS U#2 (660 MW)				COD from 23.07.2021				

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

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross	PLF	Cummulative Gross	Cummulative PLF
					Energy Generation in MU	of Current Month (%)	Energy Generation upto Current Month (2021-22) in MU	upto Current Month (%)
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00
		Southern (2x67.5)	135.00	135.00	25.26	25.15	164.03	13.87
		Budge-Budge (3x250)	750.00	750.00	512.21	91.79	5562.03	84.66
		Total CESC	1125.00	1125.00	537.47	64.21	5726.06	58.10
HEL	Thermal	HEL	600.00	600.00	391.71	87.75	4275.64	81.35
		Total West Bengal	8139.26	8094.26	4185.90		44548.33	
OPGC	Thermal	IB TPS	420.00	420.00	265.03	84.81	2955.80	80.34
		IB TPS U#3(660 MW)	660.00	660.00	446.48	90.92	3344.41	57.85
		IB TPS U#4(660 MW)	660.00	660.00	311.34	63.40	3723.83	64.41
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	40.78		707.38	
		Hirakud-II (Chiplima)	72.00	72.00	25.46		268.23	
		Balimela (6x60+2x75)	510.00	510.00	94.58		1062.08	
		Rengali (5x50)	250.00	250.00	63.73		866.36	
		Upper Kolab (4x80)	320.00	320.00	64.79		451.19	
		Indravati HPS (4x150)	600.00	600.00	47.36		1156.64	
		Mckd.(Odisha drawal)	57.38	57.38	19.07		277.30	
		Total Hydro	2084.88	2084.88	355.78		4789.17	
		RES	539.57	539.57	71.13		700.24	
		Total Odisha	4364.45	4364.45	1449.74		15513.47	
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00		17.00	
NTPC		MTPS Stg-II	390.00	390.00	288.06607	99.28	2602.34	76.17
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	983.90	82.65	9269.51	66.14
		FSTPP (U# 6)	500.00	500.00	316.56	85.10	3151.67	71.96
		KhSTPP (4x210+3x500)	2340.00	2340.00	1270.25	72.96	16026.74	78.19
		TSTPP (2x500)	1000.00	1000.00	721.26	96.94	7257.16	82.84
		BARH STPS II (2X660)	1320.00	1320.00	861.02	87.67	7452.26	64.45
		BARH STPS I (1X660)	660.00	660.00	306.06	62.33	1700.12	61.72
		BRBCL # 1,2,3,4(4X250 MW)	1000.00	1000.00	658.33	88.49	5653.01	77.48
		BRBCL # 4 infirm			0.00	0.00	47.56	0.00
		NSTPS U# I&2	1320.00	1320.00	959.20	97.67	7921.39	81.05
		NSTPS infirm					323.86	
		DSTPP #1&2	1600.00	1600.00	1181.34	99.24	8917.63	80.50
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	290.27	0.00
		Total NTPC	11730.00	11730.00	7606.78	86.47	70613.51	74.86
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	16.00	
Teesta (3x170)	510.00			510.00	142.42		2647.48	
TLDP(4x33+4x40) for WBSEDCL	292.00			292.00	48.80		1322.76	
Total NHPC	862.00			862.00	207.22		4301.30	
MPL (U#1&2)	1050.00			1050.00	406.33	52.01	7489.22	81.42
Thermal	APNRL (U#1,2)		540.00	540.00	375.26	93.40	3727.35	78.80
	GMR (2x350)		700.00	700.00	433.20	83.18	4880.62	79.59
	JITPL (2X600)		1200.00	1200.00	844.39	94.58	8559.41	81.43
	CHUZACHEN** (2x55)		110.00	110.00	12.85		507.79	
	JORETHANG (2x48)		96.00	96.00	14.36		442.63	
	TEESTA URJA St III (6x200)		1200.00	1200.00	267.31		6257.96	
	Tashilding (2x48.5)		97.00	97.00	12.00		451.15	
	DICKCHU (2x48)		96.00	96.00	14.66		484.49	
	RONGNICHU HEP (2x56.5)				0.00		301.68	
	TALCHER SOLAR		10.00	10.00	1.25		12.85	
Total Thermal (E.R)	31655.00	31600.00	19295.06	81.73	193169.73	71.25		
EASTERN REGIONAL		Total Hydro (E.R)	5989.58	5989.58	1025.39		20030.07	
		Total RES	1517.83	1517.83	120.02		1216.38	
		TOTAL (E.R)	39162.41	39107.41	20440.47		214416.18	
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	19.04		1716.81	
		Kurichu (4x15)	60.00	60.00	5.36		122.22	
		TALA (6x170)	1020.00	1020.00	12.30		2740.27	
		DAGACHU (2x63)	126.00	126.00	19.40		500.53	
		MANGDECHU(4x180)	720.00	720.00	78.49		2860.48	
Grand Total	41448.41	41303.41	20575.05		222356.49			

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF MAR'2022 (30-3-2022)

Date	30-Mar-22					
Time	21.00	Hrs.				
Frequency	49.94	Hz.				
(All Fig. in MW)						
System/State	Installed Capacity	Effective Capacity	Hydro	Thermal	RES	Net Gen Total
BSPHCL	1295	1285	0	262	0	262
JUVNL	610	610	0	317	0	317
DVC	6897	6897	29	5223	0	5252
ODISHA	4364	4364	1376	739	24	2139
WBSEDCL	5864	5819	700	3961	0	4661
TLDP	292	292	148	0	0	148
HEL HALDIA	600	600	0	548	0	548
CESEC	1125	1125	0	828	0	828
DPL	550	550	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	11730	11730	0	9629	0	9629
NHPC	570	570	567	0	0	567
CHUKHA	360	270	246	0	0	246
KURICHU	60	60	22	0	0	22
TALA	1020	1020	159	0	0	159
MPL	1050	1050	0	477	0	477
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	466	0	466
Kamalganga (GMR)	700	700	0	665	0	665
JITPL	1200	1200	0	1076	0	1076
RONGNICHU HEP (2x56.5)	113	113	0	0	0	0
Chuzachen	110	110	0	0	0	0
Jorethang	96	96	0	0	0	0
TEESTA URJA St III	1200	1200	1113	0	0	1113
Tashilding	97	97	33	0	0	33
DICKCHU	96	96	58	0	0	58
Daghachu	126	126	22	0	0	22
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechu</u>	720	720	183	0	0	183
<u>Total</u>	41448	41303	4654	24190	24	28868
Import From Captive:						1342
Export To:						
NER						89
SR						2780
WR						-929
NR						2705
Bangladesh						934
Nepal						49
Total						5628
➤ nal Net Peak Demand Met (MW) :						24582
Indicates Export(+)/Import(-) of Power						

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of MAR'2022 (30-3-2022)

(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	2451	23755	26206	1214	335	5275	22480	89	598	23167
2	1925	23779	25704	1209	330	5053	22189	21	709	22920
3	1318	23648	24967	1187	333	4408	22078	-6	312	22385
4	1226	23716	24942	1165	335	4365	22077	-4	0	22077
5	1274	23942	25216	1164	321	4685	22016	10	0	22025
6	1828	24183	26010	1195	293	5917	21581	28	0	21610
7	2419	24095	26514	1145	274	7081	20852	15	0	20866
8	2466	23985	26451	1180	258	7010	20879	-20	105	20964
9	1723	23824	25547	1181	292	5932	21089	-26	3	21091
10	1204	24078	25282	1146	322	5563	21187	9	1	21198
11	606	24110	24717	1143	373	4880	21353	30	2	21385
12	657	23911	24569	1139	407	4719	21396	13	213	21622
13	772	23772	24544	1158	449	4508	21643	-4	108	21747
14	690	23908	24598	1157	630	4765	21620	21	0	21641
15	826	24112	24938	1163	560	4624	22037	71	146	22255
16	1078	24210	25288	1182	639	4933	22176	72	0	22248
17	1818	24159	25978	1201	693	6139	21734	44	0	21777
18	1587	24076	25663	1191	674	5959	21570	59	0	21628
19	3343	23957	27300	1298	657	5663	23593	29	324	23945
20	4080	24185	28265	1361	642	5897	24370	75	126	24570
21	4046	24190	28236	1342	632	5628	24582	54	126	24762
22	3797	24176	27973	1363	648	5963	24022	23	323	24368
23	3190	23337	26526	1352	667	5815	22730	42	439	23210
24	2937	23054	25991	1260	560	5674	22137	85	228	22450

Hourly Load Generation Data of ER On Regional Lean Day During The Month of MAR'2022 (2-3-2022)

(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	294	21899	22193	1250	-201	6953	16290	3	328	16620
2	269	21052	21321	1194	-190	6347	15978	-6	0	15978
3	270	20023	20294	1212	-188	5651	15665	-8	0	15665
4	191	20258	20449	1242	-189	5890	15612	-4	0	15612
5	164	21231	21395	1246	-192	6791	15658	-15	205	15848
6	948	22599	23548	1267	-167	8066	16581	-7	596	17170
7	2602	23084	25687	1310	28	9231	17794	-20	82	17856
8	2710	23252	25963	1351	33	8823	18524	-29	1	18525
9	2599	23333	25932	1355	36	8453	18870	-13	1	18871
10	1638	23446	25085	1376	37	8223	18273	-5	0	18273
11	810	23354	24165	1336	35	7669	17867	-6	0	17867
12	785	23338	24123	1358	30	7526	17985	3	0	17989
13	716	23142	23858	1311	-162	7275	17732	23	0	17755
14	680	22761	23441	1283	-243	7140	17342	27	0	17369
15	555	22832	23387	1308	-242	7621	16832	85	0	16917
16	496	23095	23591	1297	-225	7763	16899	38	0	16938
17	503	23421	23923	1359	-132	8167	16982	9	0	16991
18	1331	23326	24656	1332	27	7839	18177	-24	173	18326
19	3061	23759	26819	1359	31	7225	20984	-29	381	21336
20	2984	24121	27105	1381	31	8230	20287	32	285	20603
21	1650	24226	25876	1326	-23	7691	19489	-20	134	19602
22	859	23943	24802	1339	-254	7414	18473	-21	0	18473
23	650	23486	24137	1312	-232	7635	17582	17	0	17599
24	614	23013	23628	1253	-214	7688	16979	-4	0	16979

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

FOR THE MONTH OF MAR'2022

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 51.33 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 103.56 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 1.021 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 Mar-22

DATE	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-Mar	49.98	49.99	50.00	50.03	49.97	50.00	4.31	76.92	18.77	76.92	50.27	18:01:00	49.81	09:29:00	50.11	0:00	49.87	0:00
02-Mar	50.01	50.02	49.96	50.02	49.99	50.00	6.22	72.25	21.53	72.25	50.23	06:03:10	49.75	14:15:00	50.09	0:00	49.84	0:00
03-Mar	50.00	50.02	50.00	49.98	49.98	50.00	4.06	75.52	20.42	75.52	50.30	06:01:30	49.77	18:48:30	50.11	0:00	49.86	0:00
04-Mar	49.96	49.97	49.99	49.99	49.97	49.98	9.22	73.80	16.98	73.80	50.21	18:01:50	49.76	06:58:00	50.13	0:00	49.83	0:00
05-Mar	49.99	50.01	49.98	49.97	49.97	49.98	5.17	84.92	9.91	84.92	50.23	06:01:30	49.77	16:53:20	50.05	0:00	49.83	0:00
06-Mar	50.01	50.02	49.98	50.00	50.00	50.00	4.97	74.39	20.65	74.39	50.24	06:01:30	49.76	09:05:00	50.08	0:00	49.90	0:00
07-Mar	50.00	50.00	49.94	50.01	50.00	49.98	9.03	76.77	14.20	76.77	50.23	18:01:50	49.76	16:43:50	50.06	0:00	49.85	0:00
08-Mar	50.01	50.00	49.98	49.98	49.93	49.99	7.70	75.54	16.76	75.54	50.24	06:02:00	49.72	18:48:20	50.07	0:00	49.80	0:00
09-Mar	49.96	49.95	49.98	49.97	49.94	49.96	11.97	77.44	10.59	77.44	50.18	18:03:10	49.72	22:08:50	50.07	0:00	49.84	0:00
10-Mar	50.00	49.96	49.95	49.97	49.99	49.97	11.13	78.14	10.73	78.14	50.20	18:01:30	49.78	16:45:00	50.06	0:00	49.85	0:00
11-Mar	49.98	49.93	49.99	49.98	49.94	49.97	12.50	77.50	10.00	77.50	50.15	18:02:10	49.66	06:44:50	50.05	0:00	49.76	0:00
12-Mar	50.00	50.00	49.95	49.96	49.95	49.97	10.43	81.24	8.33	81.24	50.12	06:02:10	49.73	22:10:40	50.05	0:00	49.84	0:00
13-Mar	49.98	50.00	49.99	50.00	49.99	49.99	2.45	83.61	13.94	83.61	50.18	17:03:00	49.78	04:11:40	50.06	0:00	49.90	0:00
14-Mar	50.01	50.00	49.93	49.95	49.98	49.97	13.15	75.44	11.41	75.44	50.17	06:01:30	49.70	13:50:10	50.07	0:00	49.74	0:00
15-Mar	49.95	49.95	49.97	49.92	49.87	49.94	24.56	68.03	7.41	68.03	50.15	12:01:40	49.69	21:07:30	50.06	0:00	49.76	0:00
16-Mar	49.95	49.97	49.95	49.92	49.90	49.94	19.76	74.55	5.69	74.55	50.17	13:01:50	49.59	18:56:20	50.07	0:00	49.75	0:00
17-Mar	49.89	49.94	49.95	49.99	49.88	49.94	23.87	68.99	7.14	68.99	50.15	18:01:30	49.75	22:10:00	50.04	0:00	49.73	0:00
18-Mar	49.97	50.00	49.99	49.99	50.00	49.99	7.01	76.86	16.13	76.86	50.24	17:04:00	49.80	09:05:30	50.13	0:00	49.84	0:00
19-Mar	50.00	50.03	50.00	50.00	49.94	50.00	2.84	76.83	20.33	76.83	50.24	06:04:20	49.70	23:09:50	50.13	0:00	49.90	0:00
20-Mar	49.96	50.01	49.97	49.95	49.88	49.97	11.93	78.87	9.20	78.87	50.15	18:01:50	49.69	19:11:00	50.05	0:00	49.79	0:00
21-Mar	49.98	49.97	49.88	49.98	49.93	49.94	22.29	70.82	6.89	70.82	50.16	18:01:10	49.54	15:45:10	50.02	0:00	49.73	0:00
22-Mar	49.91	49.90	49.91	49.91	49.73	49.89	40.71	56.01	3.29	56.01	50.19	18:01:40	49.57	22:21:20	50.06	0:00	49.59	0:00
23-Mar	49.90	49.95	49.94	49.92	49.89	49.93	32.35	60.37	7.28	60.37	50.17	16:03:00	49.57	22:10:20	50.06	0:00	49.75	0:00
24-Mar	49.95	49.94	49.93	49.94	49.92	49.94	24.66	66.68	8.66	66.68	50.15	17:33:00	49.66	23:05:20	50.06	0:00	49.74	0:00
25-Mar	49.88	49.90	49.88	49.93	49.89	49.89	43.58	52.53	3.89	52.53	50.16	22:00:00	49.60	06:43:50	50.03	0:00	49.67	0:00
26-Mar	49.91	49.95	49.98	49.94	49.96	49.95	21.00	69.16	9.84	69.16	50.20	13:01:10	49.59	16:45:10	50.13	0:00	49.71	0:00
27-Mar	50.01	50.01	49.99	50.01	50.01	50.01	3.30	70.68	26.02	70.68	50.22	16:02:50	49.80	09:51:00	50.11	0:00	49.86	0:00
28-Mar	50.02	50.01	49.98	49.95	49.90	49.98	13.33	71.13	15.54	71.13	50.17	18:03:00	49.76	22:13:00	50.08	0:00	49.85	0:00
29-Mar	49.97	49.99	50.00	49.93	49.87	49.97	10.96	78.61	10.43	78.61	50.15	13:02:10	49.58	18:54:30	50.09	0:00	49.70	0:00
30-Mar	49.97	50.00	49.95	49.94	49.92	49.96	14.94	77.64	7.42	77.64	50.17	18:02:40	49.75	19:15:20	50.07	0:00	49.85	0:00
31-Mar	49.94	49.92	49.93	49.98	49.99	49.94	20.00	74.49	5.51	74.49	50.17	18:01:00	49.74	14:18:40	50.07	0:00	49.79	0:00
MAX	50.02	50.03	50.00	50.03	50.01	50.01	43.58	84.92	26.02	84.92	50.30		49.81		50.13		49.90	
MIN	49.88	49.90	49.88	49.91	49.73	49.89	2.45	52.53	3.29	52.53	50.12		49.54		50.02		49.59	
AVG	49.97	49.98	49.96	49.97	49.94	49.97	14.50	73.41	12.09	73.41	50.19		49.71		50.07		49.80	

SUMMARY:

Avg. Frequency : 49.97 Hz.

Instantaneous Frequency :

Maximum Frequency : 50.30 Hz at 06:01 Hrs.

Minimum Frequency : 49.54 Hz at 22:21 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.13 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.59 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	14.50	73.41	12.09

VOLTAGE ANALYSIS

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

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	422	399	414	398	416	391	419	397

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	414	382	415	401	403	390	407	407

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
Mar-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	
			(31-03-22)	(31-03-21)		
Hirakud	192	180	188.68	186.96	190.20	01.03.22
Balimela	462	439	448.60	449.21	450.98	01.03.22
Rengali	123	109	119.35	115.60	121.26	01.03.22
Upperkolab	858	844	848.01	847.94	849.98	01.03.22
Indravati	642	625	630.60	634.00	631.46	01.03.22
Subernrekha	590	580	585.03	584.70	585.83	01.03.22

B.

CPP/IPP IMPORT by Eastern Region Constituents during Mar-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	15.64
West Bengal	72.77	26.23	0	0	0	0	0	189.31	288.31
ODISHA	0	0	85.43	77.51	5.66	0.00	0	495.71	664.31
DVC	0	0	0	0	0	0	11.42	0	11.42
TOTAL	72.77	26.23	85.43	77.51	5.66	0.00	11.42	685.02	979.68

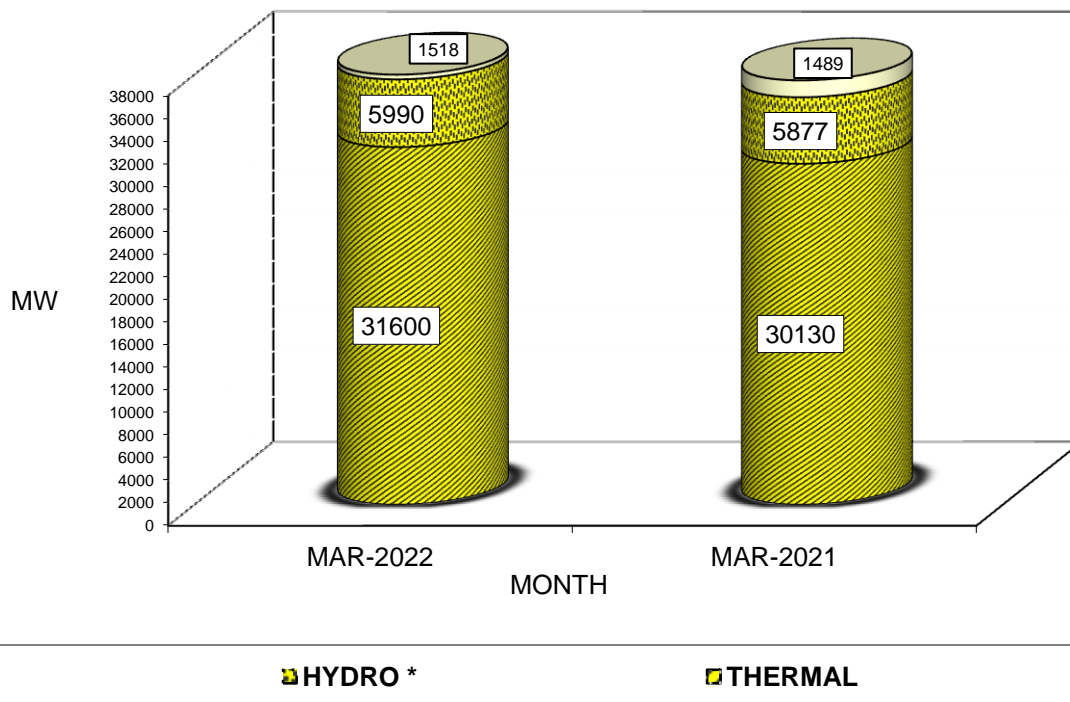
C.

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

(All figs. are in MU)

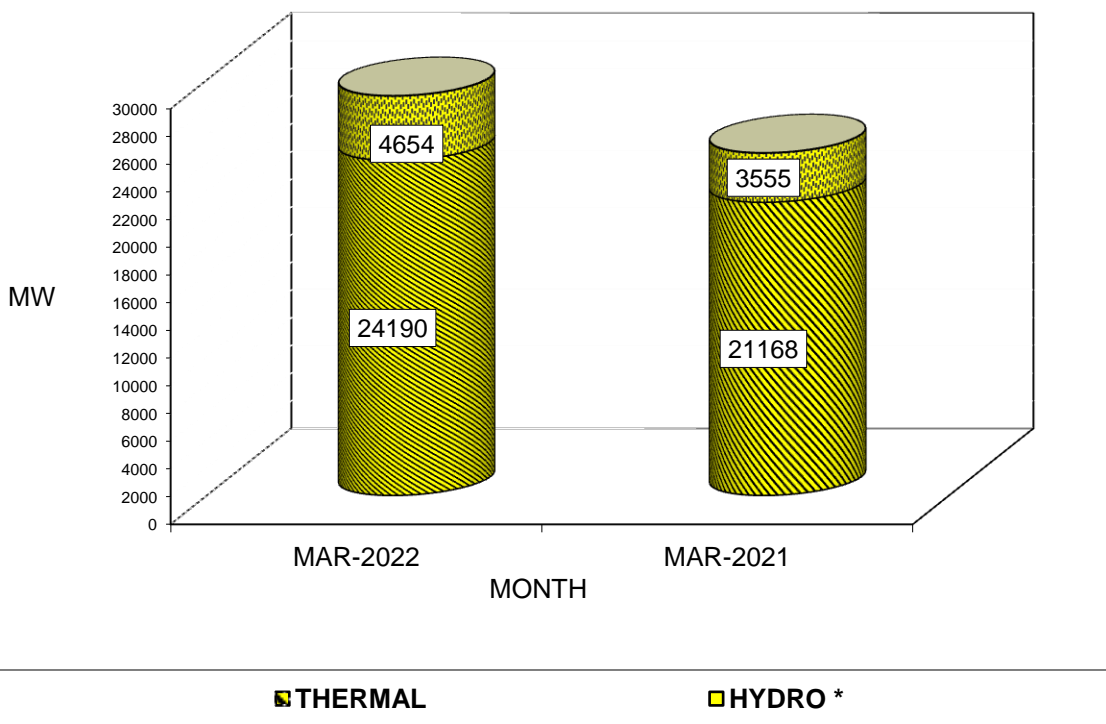
IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	111.10	112.25	55.39	0.00	0	0	100.27	379.01
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	0.00	0	0.00	0.00	0.00	0.00	0.00
Total	111.10	112.25	55.39	0.00	0.00	0.00	100.27	379.01

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



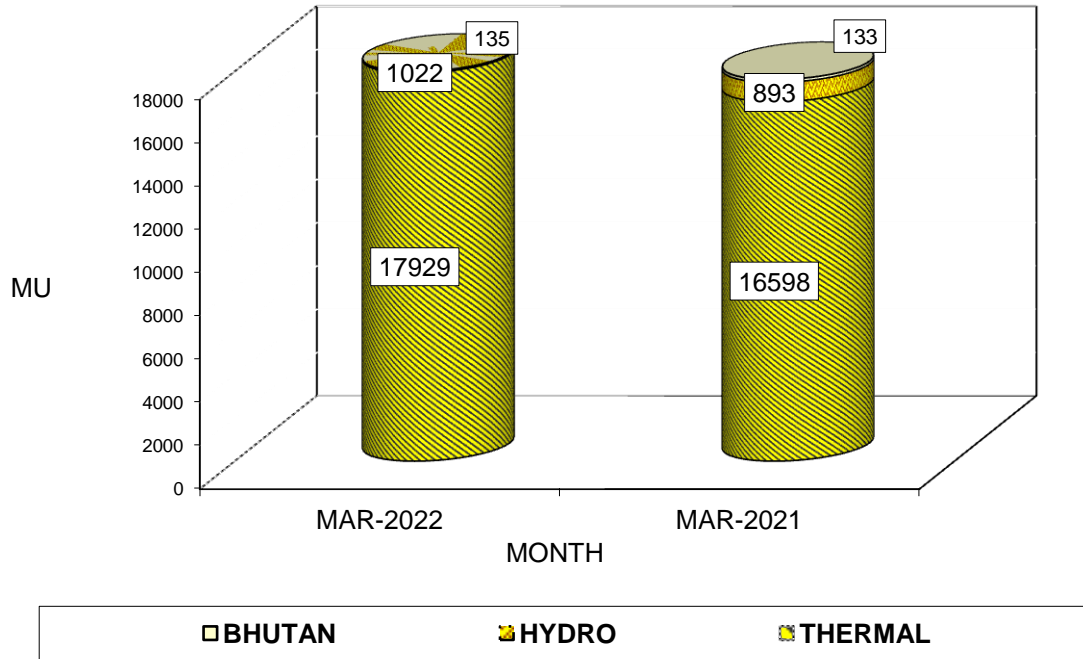
*Excludes contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

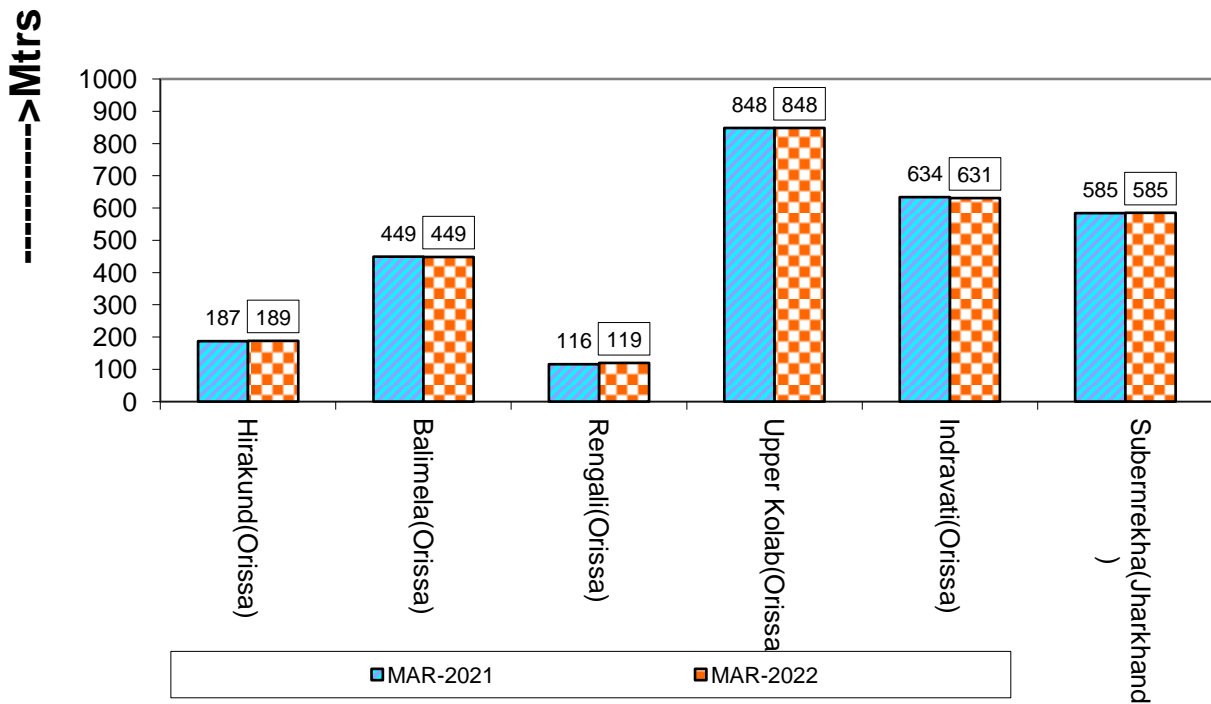


*Includes contribution from HEP of Bhutan

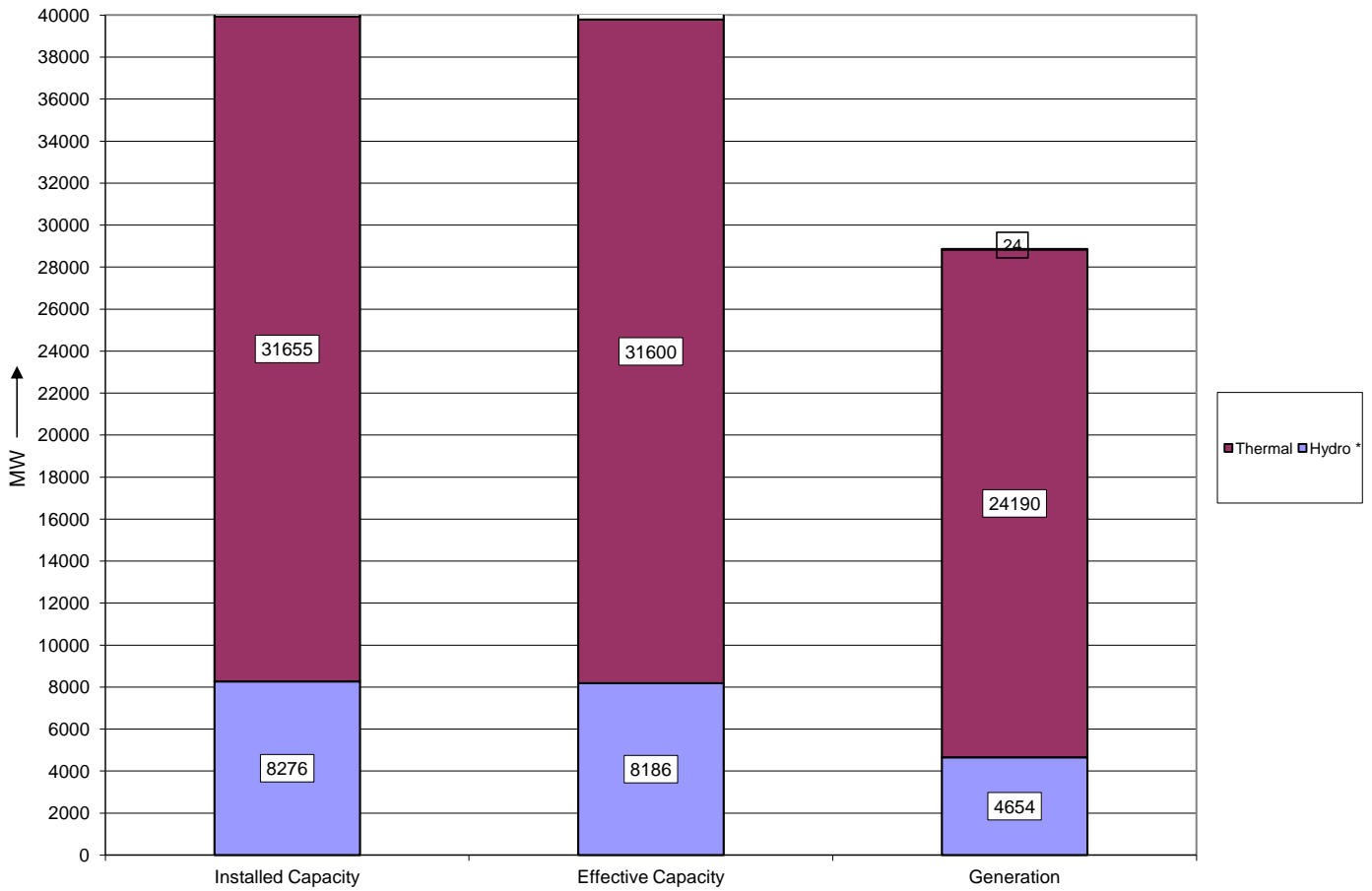
NET ENERGY GENERATION



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

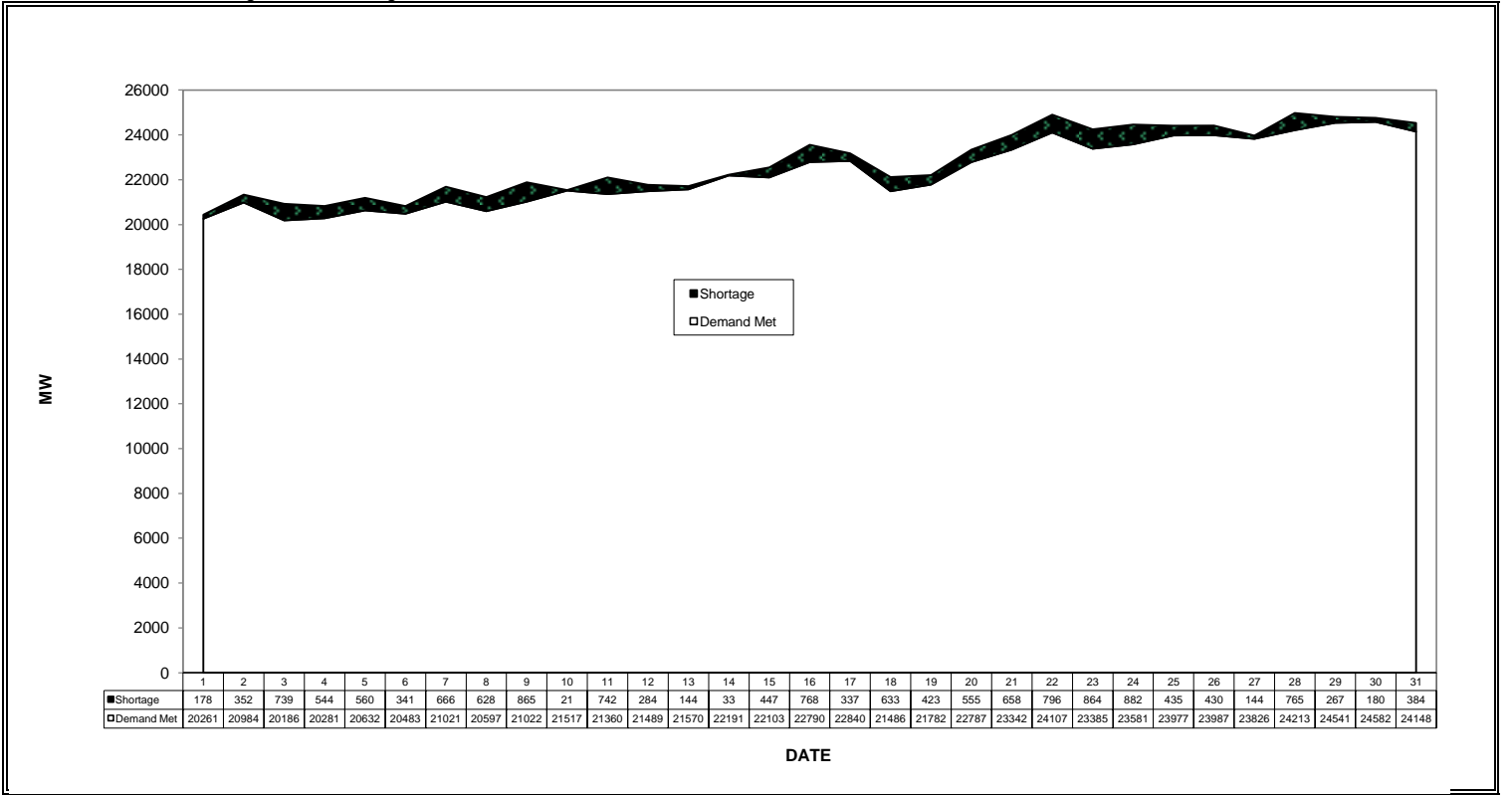


Capacity / Actual Generation Pattern of ER on Peak Day (30-3-2022) at 21.00 hrs.

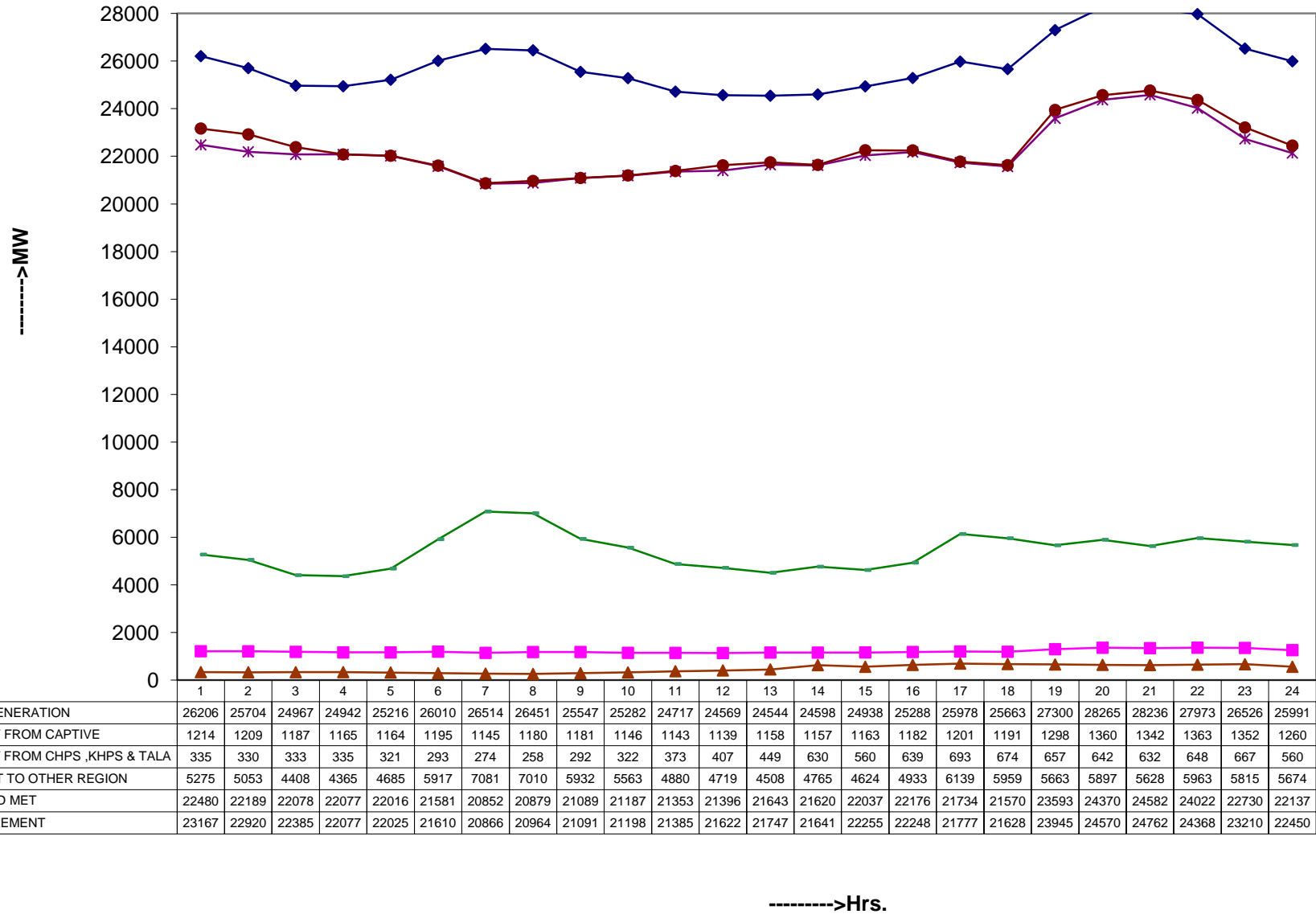


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

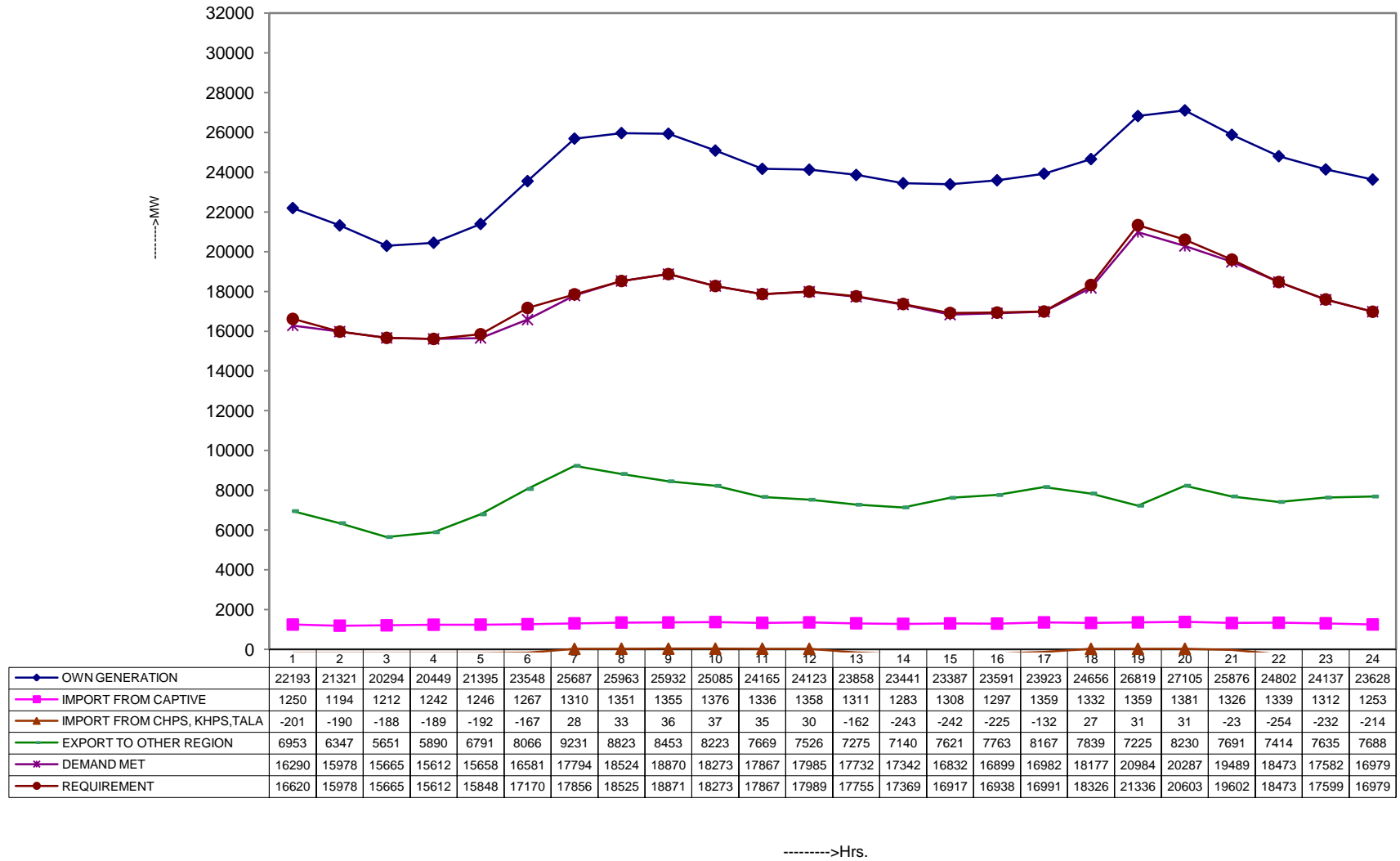
Peak Demand Met / Shortage of Eastern Region For The Month Of MAR'2022



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of MAR'2022 (30-3-2022)

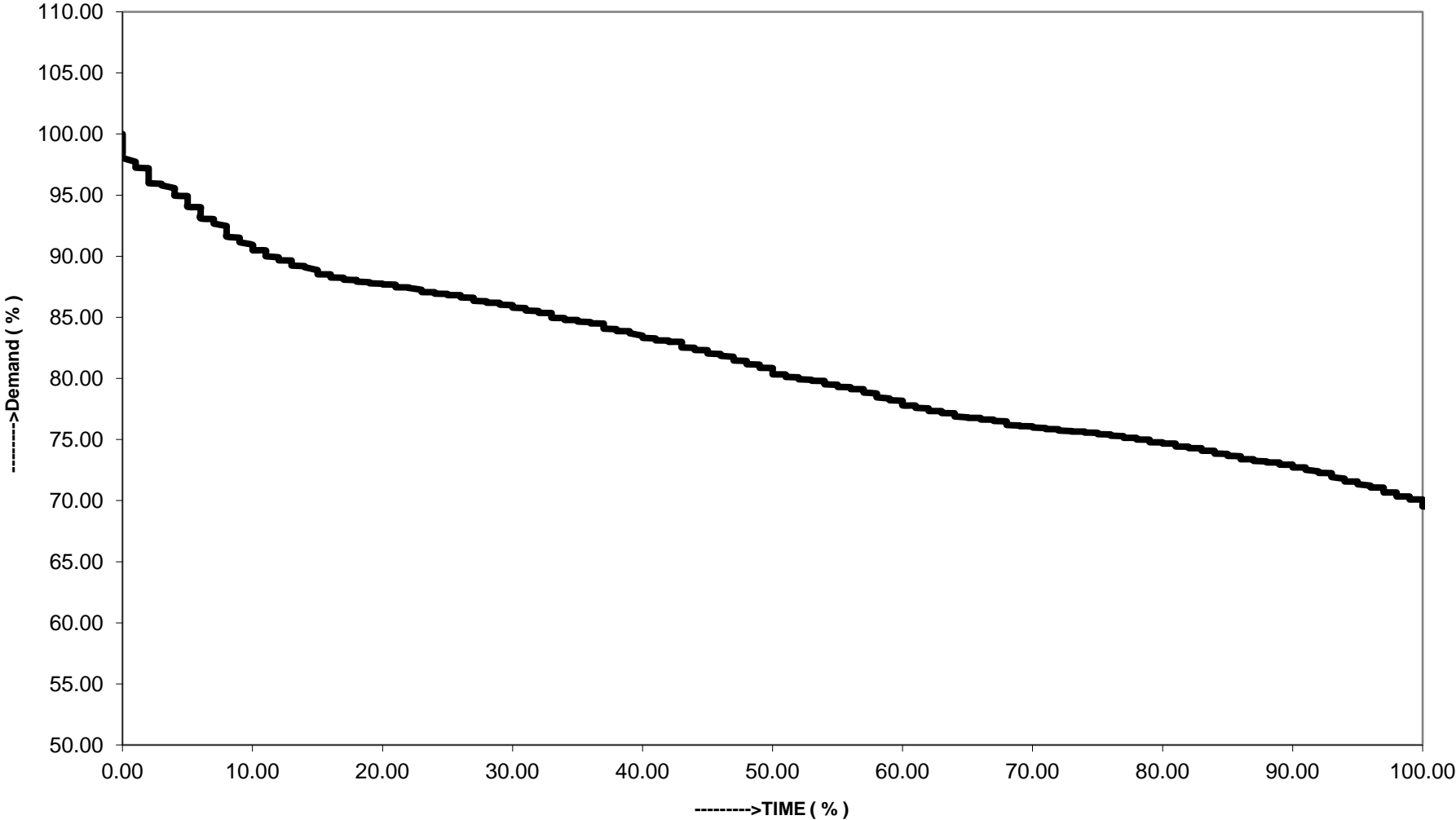


Hourly Load Generation Data of ER On Regional Lean Day During The Month of MAR'2022 (2-3-2022)



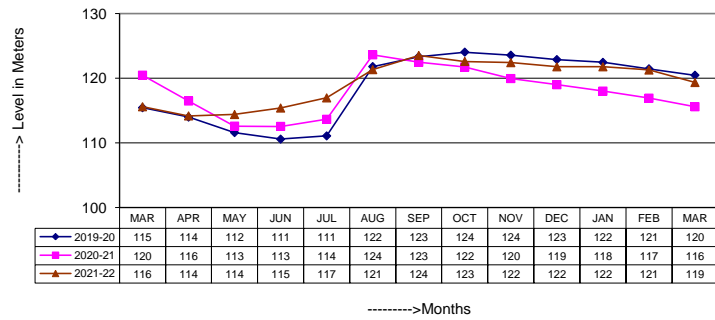
Monthly Load Duration Curve of Eastern Region for MAR-2022

Maximum Demand met : 24582 MW
Minimum Demand met: 15612 MW

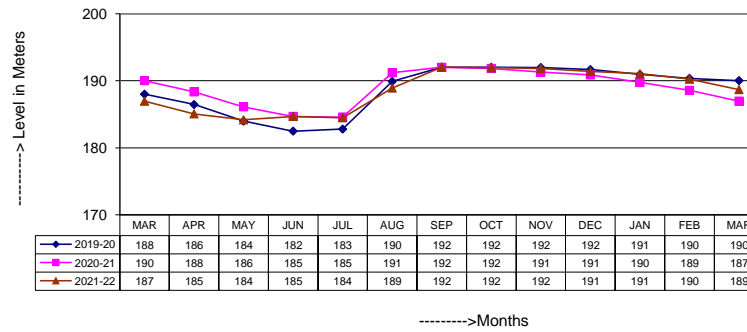


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

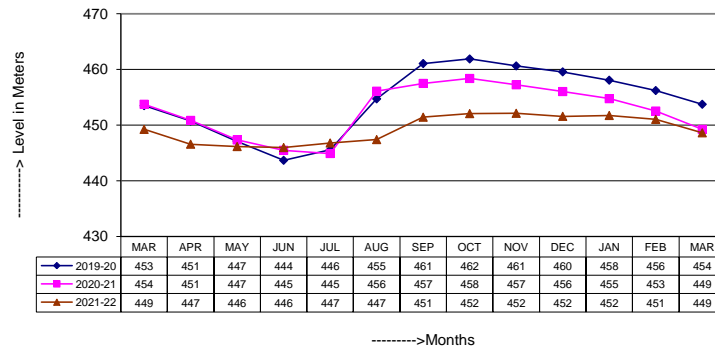
RENGALI RESERVOIR LEVEL



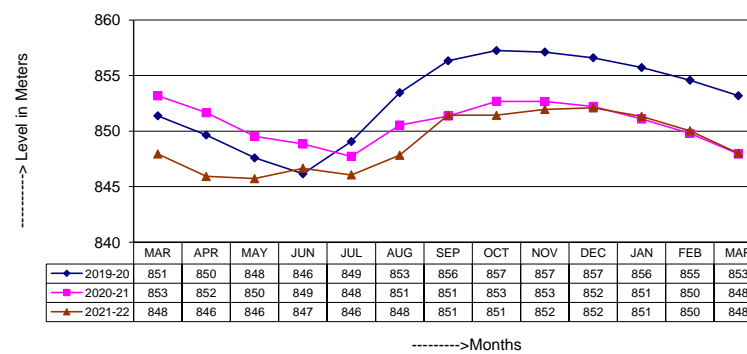
HIRAKUD RESERVOIR LEVEL



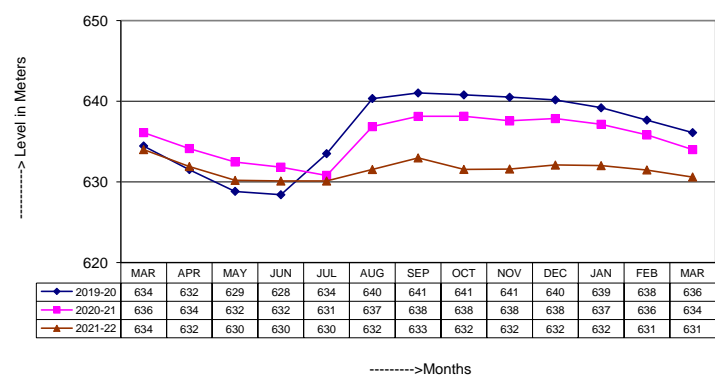
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

