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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

Tel. No.: 033-24239651, 24239658 FAX No.: 033-24239652, 24239653 Web: www.erpc.gov.in

सं/No: ERPC/MS/Reporting/MPR/2021-22/ 1693

दिनांक/Date: 31.03.2022

सेवा में : (संलग्न सूची के अनुसार)

To: As per enclosed list.

विषय : फरवरी, 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 February, 2022
on ERPC website.

महोदय / Sir ,

पूर्वी क्षेत्रीय विद्युत समिति की फरवरी, 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
February, 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

31/03/2022
(Swapna Roy)

अधीक्षक अभियंता

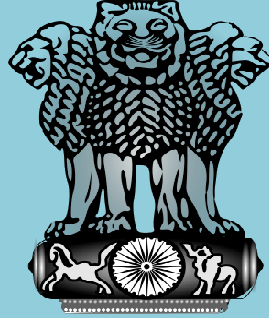
Superintending Engineer

14 गोल्फ क्लब रोड, टॉलीगंज, कोलकाता - 700 033 | 14 Golf Club Road, Tollygunge, Kolkata - 700 033.

Tele: 24239657, 24239651, 24239650. Fax: 24239652, 24239653. www.erpc.gov.in, Email: mserpc-power@nic.in

LIST OF ADDRESSES:

1. CHIEF ENGINEER (TRANS., O&M), BSPTCL, PATNA, (FAX NO. 0612-2504557/2504937)
2. CHIEF ENGINEER (System Operation), BSPTCL, PATNA, (FAX NO. 0612-2504557/2504937)
3. CHIEF ENGINEER, TRANSMISSION (O&M), JUSNL, RANCHI (FAX NO.-0651-2490486/2490863)
4. CHIEF ENGINEER, TVNL, DORANDA, RANCHI - 834102 (FAX NO. 06544-225414)
5. CHIEF LOAD DISPATCHER, SLDC, OPTCL, BHUBANESWAR (FAX NO.0674-2748509)
6. CHIEF GENERAL MANAGER (O&M), OPTCL, BHUBANESWAR
7. SR. GENERAL MANAGER (PP), GRIDCO, JANPATH, BHUBANESWAR (0674-2547180)
8. DIRECTOR (OPERATION), IB TPS, AT/PO BANHARPALI, JHARSUGUDA, (FAX NO. 06645-222225/222230)
9. GENERAL MANAGER, TTPS, TALCHER, (FAX NO. 06760-243212)
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11. CHIEF ENGINEER, CLD, WBSETCL, HOWRAH, (FAX NO. 033-26886232)
12. CHIEF ENGINEER (PTR), WBSEDCL, SALT LAKE, KOLKATA (FAX:033-23345862)
13. CHIEF GENERAL MANAGER (O&M), WBPDC, KOLKATA-98 (FAX NO. 033-23393286/2335-0516)
14. GM (SYS OPERATION), CESC, CHOWRINGHEE SQUARE, KOLKATA (FAX NO.033-22253756/22129871)
15. CHIEF ENGINEER, SLDC, DVC, HOWRAH (FAX NO. 033-2688-5094)
16. ADDL.CHIEF ENGINEER, SLDC, POWER DEPT., GOVT. OF SIKKIM, GANGTOK, (FAX NO. 03592-228186/201148/202284)
17. GENERAL MANAGER, FSTPP, NTPC, FARAKKA, (FAX NO. 03512-224214/226085/226124)
18. GENERAL MANAGER, KhSTPP, NTPC, KAHALGAON (FAX NO.06429-226082)
19. GENERAL MANAGER, TSTPP, NTPC, TALCHER, (FAX NO. 06760-249053)
20. GENERAL MANAGER (OS), POWERGRID, ER-II, KOLKATA (Fax no: 033-23572827)
21. GENERAL MANAGER, POWERGRID, ER-I, PATNA, (FAX NO.0612-2531192)
22. GENERAL MANAGER (O&M), POWERGRID, ODISHA PROJECTS, SAHID NAGAR, BHUBANESWAR – 751 007
23. CHIEF ENGINEER (O&M), TALA H.E. PROJECT, BHUTAN (FAX NO. 009752/324803)
24. EXECUTIVE DIRECTOR (O&M), NHPC, FARIDABAD (FAX No.:0129-2272413)
25. GENERAL MANAGER, TEESTA –V POWER STATION, NHPC, SINGTAM, EAST SIKKIM (FAX 03592 - 247377)
26. CHIEF ENGINEER, RANGIT POWER STATION, NHPC, P.O. RANGIT NAGAR, SOUTH SIKKIM (FAX NO.03595-259268)
27. ADVISER (COMMERCIAL), ADHUNIK POWER, KOLKATA (FAX NO.: 033-22890285)
28. AGM (OPERATION), MAITHON POWER LTD, DHANBAD (FAX: 08860004758)
29. ASSOCIATE VICE PRESIDENT, GMR KEL, BHUBANESWAR-751007. (FAX NO: 0674-2572794)
30. SHRI D. P. BHAGAVA, CHIEF CONSULTANT (O&M), TEESTA URJA LIMITED, NEW DELHI-110 001 (FAX:011-46529744)
31. SHRI BRAJESH KUMAR PANDE, PLANT HEAD, JITPL. (FAX:011-26139256-65)
32. GM, GMR, KAMALANGA ENERGY LIMITED, ODISHA.



सत्यमेव जयते

Government of India

विद्युतमंत्रालय

Ministry of Power

पूर्वी क्षेत्रीय विद्युत समिति

EASTERN REGIONAL POWER COMMITTEE

मासिक प्रगति रिपोर्ट

PROGRESS REPORT FOR THE MONTH OF

फ़रवरी - 2022

February-2022



14, गोल्फ क्लब रोड, टोलीगंज

14, Golf Club Road, Tollygunge

कोलकाता -700033

Kolkata: 700 033

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Highlights of Eastern Regional Power System for Feb- 2022

- The **Maximum Net Demand** met of **Eastern Region (ER)** during the month of **Feb, 2022** was **21198 MW** which is 2.69% more than the **Feb, 2021** (20643 MW). Individual **Peak Demand (MW)** of most of the constituents **increased (except WBSIEDCL & CESC)** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Feb, 2022** was **409.74 MU** excluding export, which is 3.51% more than the corresponding period of last year (395.83 MU).
- **The Average regional PLF of thermal units during the month is 75.25 %**, which is 1.95% more than the corresponding period of the last year (73.30%).

WBPDC (Sagardighi TPP) registered the highest PLF of 101.04%, followed by WBPDC (Bakreswar TPP) 100.84% and NTPC (TSTPP) 98.82% during the month of **Feb, 2022**.

- **Maximum Net generation** was **28304 MW** against total **Effective Capacity of 41783.41 MW** (including import from Bhutan). At the time of Regional peak (**21198 MW** on 23.02.2022 at 19.00 hrs.) the generation was **27722 MW** and import from CPP was 1329 MW, Net export was 7853 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 76.89% of time during the month. **Average frequency** for the month was **49.99 Hz**. The instantaneous maximum and the minimum frequency touched were 50.26 Hz and 49.54 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.14 Hz** and **49.64 Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded 425 KV at Binaguri 400 KV S/s whereas the minimum voltage recorded 388 KV at Muzaffarpur 400 KV S/s of Power grid.
- **The Maximum Export from ER to outside region was 11501 MW (including Nepal and Bangladesh) on 25th Feb, 2022 at 07:00 hrs. Total net energy export during the month was 5260.36 MU (Inc. Transmission loss) MU which is corresponds to 33.10 % of ex-bus total generation 15893.57 MU of Eastern Region.**
- **The import from CPPs was 839.53 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	5907	0	2394.28
WR	2891	1278	605.51
SR	3869	0	1820.22
NER	114	1038	-333.05
BANGLADESH	762		482.02
NEPAL (via-CTU)	404		180.37
Chukha, Kurichu, Tala			111.01
Total			5260.36
NEPAL by Bihar(NBPDCL)			66.33

SALIENT FEATURES

(YEAR TO YEAR COMPARISON)

		Feb-22	FEB-2021	CHANGE	% CHANGE
1) Effective Capacity (end of the Month)					
THERMAL	(MW)	32080	30130	1950	6.47
HYDRO	(MW)	5990	\$ 5877	113	2
DIESEL	(MW)	0	0	0	0
RES	(MW)	1518	1489	0	0
TOTAL	(MW)	39587	37495	2092	5.58
2) Peak Demand (MW)		21540	20854	686	3.29
3) Peak Demand Met (MW)		21198	20643	555	2.69
4) Shortage (MW)		342	211	131	0.00
5) % Shortage		1.59	1.01	0.58	0.00
6) Average Energy Requirement Per Day (MU)		412.62	397.69	14.93	3.75
7) Average Energy Availability Per Day (MU)		409.74	395.83	13.91	3.51
8) Average Shortage Per Day (MU)		2.87	1.86	1.01	--
9) % Shortage		0.70	0.47	0.23	--
10) Net Generation for the Month					
Thermal (MU)		15067.77	13801.19	1266.58	9.18
Hydro (MU)		710.01	* 879.94	-169.93	-19.31
RES (MU)		115.79	117.65	0.00	-
Total (MU)		15893.57	14798.78	1094.79	7.40
11) Generation at the Time of Max. Regional Demand Met (23-02-22 at 19.00 Hrs.)					
Thermal (MW)		24521	21609	2912	13.48
Hydro (MW)		3186	* 3114	72	2.32
RES(MW)		15	19	-4	-22.29
Total (MW)		27722	24742	2980	12.04
12) Inter-Regional Energy Transfer					
Export (MU)		5593.41	4784.01	809.40	16.92
Import (MU)		333.05	245.30	87.75	35.77
Net Exp.(+)/Net Imp.(-) (MU)		5260.36	4538.71	721.65	15.90
13) Import From Captive(MU)		839.56	823.23	16.33	1.98
14) Peak Inter Regional Power Transfer					
Max Export (MW) on 25-02-22 at 07.00Hrs		11501	10256	1245	12.14
Max Import (MW) on 17-02-22 at 21.00Hrs		1920	2644	-724	-27.40
Max Net Export(+)/Import (-) (MW)		10888	9903	985	9.95
15) Maximum voltage recorded		425	BINAGURI	400 kv s/s	
16) Minimum voltage recorded		388	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 FEB'2022

A) Net Average Energy Per Day

System	Requirement Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	82.71	83.68	0.97	1.16
JUVNL	28.59	30.47	1.87	6.15
DVC	67.14	67.17	0.02	0.04
ODISHA	106.44	106.48	0.04	0.04
WBSEDCL	100.85	100.94	0.09	0.09
CESC	21.74	21.75	0.01	0.04
SIKKIM	2.14	2.14	0.00	0.04
REGION	409.74	412.62	2.87	0.70

B) Peak Demand in MW:

System	Demand Met (MW)	Demand (MW)	Shortage (MW)	% Shortage
BSPHCL	5059	5080	20	0.40
JUVNL	1505	1764	258	14.64
DVC	3102	3102	0	0.00
ODISHA	5434	5434	0	0.00
WBSEDCL	5286	5288	2	0.03
CESC	1292	1295	3	0.2
SIKKIM	132	132	0	0.00
REGION	21198	21540	342	1.59

➤ **DIVERSITY FACTOR : 1.03**

➤ **Regional Peak Demand Met on 23-2-2022 at 19.00 hrs. at 49.99 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA FEB-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	282.23	36.26	318.49	0.00	28.36	0.00	28.36	0.00	253.87	36.26	290.13	0.00	2026.22	2316.35	82.7	5059	5112
JUVNL	11.41	222.16	0.00	233.57	0.01	20.82	0.00	20.83	11.40	201.34	0.00	212.74	36.96	551.02	800.73	28.6	1505	1537
DVC	17.87	3302.66	0.00	3320.52	0.12	259.28	0.00	259.40	17.75	3043.37	0.00	3061.12	14.88	-1196.05	1879.96	67.1	3102	3545
ODISHA(OPGC+OHPC+TTPS)	247.08	939.00	65.30	1251.37	2.25	65.62	0.00	67.87	244.83	873.38	65.30	1183.50	507.88	1289.04	2980.43	106.4	5434	5550
WBPDCL+WBSEDCL+DPL	133.62	2719.26	12.03	2864.91	0.00	223.42	0.00	223.42	133.62	2495.84	12.03	2641.50	279.83	-99.22	2822.11	100.8	5286	5686
CESC	0.00	398.25	0.00	398.25	0.00	30.83	0.00	30.83	0.00	367.42	0.00	367.42	0.00	241.24	608.67	21.7	1292	1351
HEL	0.00	240.95	0.00	240.95	0.00	19.10	0.00	19.10	0.00	221.85	0.00	221.85	0.00	-221.85				
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	58.95	59.95	2.1		
NTPC	0.00	6247.85	1.20	6249.05	0.00	425.55	0.00	425.55	0.00	5822.30	1.20	5823.50	0.00	-5823.50				
MPL	0.00	514.30	0.00	514.30	0.00	29.44	0.00	29.44	0.00	484.86	0.00	484.86	0.00	-484.86				
APNRL	0.00	332.74	0.00	332.74	0.00	26.80	0.00	26.80	0.00	305.94	0.00	305.94	0.00	-305.94				
GMR	0.00	337.13	0.00	337.13	0.00	22.40	0.00	22.40	0.00	314.73	0.00	314.73	0.00	-314.73				
JITPL	0.00	729.27	0.00	729.27	0.00	46.41	0.00	46.41	0.00	682.86	0.00	682.86	0.00	-682.86				
NHPC (Inc TLDP= 37.84 MU)	90.54	0.00	0.00	90.54	0.00	0.00	0.00	0.00	90.54	0.00	0.00	90.54	0.00	-90.54	0.00			
CHUZACHEN HPS	6.61	0.00	0.00	6.61	0.00	0.00	0.00	0.00	6.61	0.00	0.00	6.61	0.00	-6.61	0.00			
DIKCHU HPS	8.04	0.00	0.00	8.04	0.00	0.00	0.00	0.00	8.04	0.00	0.00	8.04	0.00	-8.04	0.00			
JORHANG HPS	10.50	0.00	0.00	10.50	0.00	0.00	0.00	0.00	10.50	0.00	0.00	10.50	0.00	-10.50	0.00			
TASHIDING HPS	11.51	0.00	0.00	11.51	0.00	0.00	0.00	0.00	11.51	0.00	0.00	11.51	0.00	-11.51	0.00			
TEESTA-III HPS	138.98	0.00	0.00	138.98	0.00	0.00	0.00	0.00	138.98	0.00	0.00	138.98	0.00	-138.98	0.00			
RONGNICHU HEP	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	-0.05	0.00			
CHPC(Birpara Receipt)	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			
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	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			
DAGACHU HPS	17.36	0.00	0.00	17.36	0.00	0.00	0.00	0.00	17.36	0.00	0.00	17.36	0.00	-17.36	0.00			
Mangdechhu HEP	18.82	0.00	0.00	18.82	0.00	0.00	0.00	0.00	18.82	0.00	0.00	18.82	0.00	-18.82	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar & Others														3.59	3.59			
Total	712.39	16265.79	115.79	17093.96	2.37	1198.01	0.00	1200.39	710.01	15067.77	115.79	15893.58	839.56	-5261.36	11471.78	409.71	21198	22951

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	-	-	-	-	-

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	-	-	-	-	-

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

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	Net Energy Generation	Cummulative Gross Energy Generation upto Current Month	Cummulative Net Energy Generation upto Current Month	
			(in MW)	(in MW)	in MU	in MU	(2021-22) in MU	(2021-22) in MU	
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	20.15	16.58	78.64	58.46	
	Thermal	Barauni (U# 8)	250.00	250.00	144.34	131.46	1583.38	1418.77	
		Barauni (U# 9)	250.00	250.00	117.73	105.92	555.65	504.37	
	(Dedicated for Bihar)	Muzaffarpur Stg-I	220.00	220.00	0.00	-0.10	247.19	210.09	
		Thermal Total	940.00	930.00	282.23	253.87	2464.85	2187.61	
	RES		354.91	354.91	36.26	36.26	283.82	283.82	
		Total BIHAR		1294.91	1284.91	318.49	290.13	2748.67	2471.44
JHARKHAND									
TVNL	Thermal	TVNL	420.00	420.00	222.16	201.34	1536.69	1372.60	
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	11.41	11.40	296.66	296.61	
	RES		60.41	60.41	0.00	0.00	0.00	0.00	
		Total	190.41	190.41	11.41	11.40	296.66	296.61	
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	-0.73	0.00	-8.89	
		Chandrapura(U7 # 8)	500.00	500.00	308.63	279.14	3464.87	3137.77	
		Durgapur(4)	210.00	210.00	54.04	46.43	173.19	142.21	
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	720.17	644.30	7342.44	6563.80	
		Mejia(U # 7,8)	1000.00	1000.00	286.74	242.11	5786.12	5430.69	
		Bokaro-A(1)	500.00	500.00	289.39	275.25	2637.90	2482.24	
		Durgapur STPS (U#1,2)	1000.00	1000.00	570.28	541.79	5523.10	5212.54	
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	466.42	438.07	5498.17	5151.14	
	Koderma STPS (U#1,2)	1000.00	1000.00	606.98	577.02	6219.66	5882.00		
		Total Thermal		6750.00	6750.00	3302.66	3043.37	36645.45	33993.50
	Hydro	Maithon (U#1,2,3)	63.20	63.20	8.17	8.15	212.14	211.80	
		Panchet (U#1,2)	80.00	80.00	8.31	8.22	237.57	236.22	
		Tilaiya (U#1,2)	4.00	4.00	1.39	1.4	22.02	21.9	
		Hydro Total	147.20	147.20	17.87	17.75	471.72	469.92	
	Total DVC		6897.20	6897.20	3320.52	3061.12	37117.17	34463.42	
WEST BENGAL									
WBPDCCL	Thermal	Bandel TPS	380.00	335.00	152.07	136.99	1553.29	1396.08	
		Santaldih TPS(U#5&6)	500.00	500.00	246.11	225.61	3543.74	3252.57	
		Kolaghat TPS	1260.00	1260.00	359.67	321.57	3857.59	3426.13	
		Bakreswar TPP	1050.00	1050.00	711.53	654.16	7532.04	6885.36	
		Sagardighi TPP	1600.00	1600.00	1086.37	1009.32	10716.52	9904.96	
		DPPS (300+250 *)	550.00	550.00	163.51	148.19	2346.61	2105.57	
		Thermal Total	5340.00	5295.00	2719.26	2495.84	29549.79	26970.68	
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	3.15	3.15	171.21	171.21	
		Rammam (4x12.73)	51.00	51.00	9.74	9.74	259.34	259.34	
		Teesta C.F. (3x3x7.5)	67.50	67.50	2.41	2.41	68.07	68.07	
		Purulia PSS (4x225)	900.00	900.00	118.32	118.32	1085.68	1085.68	
		Total Hydro	1053.50	1053.50	133.62	133.62	1584.30	1584.30	
		RES	500.76	500.76	12.03	12.03	155.81	155.81	
	>	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 FEB -2022

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross	Net	Cummulative Gross	Cummulative Net		
					Energy Generation	Energy Generation	Energy Generation upto Current Month	Energy Generation upto Current Month		
			(in MW)	(in MW)	in MU	in MU	(2021-22) in MU	(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	0.74	0.68	138.77	126.12		
		Budge-Budge (3x250)	750.00	750.00	397.51	366.74	5049.82	4658.19		
		Total CESC	1125.00	1125.00	398.25	367.42	5188.59	4784.31		
HEL	Thermal	HEL	600.00	600.00	240.95	221.85	3883.93	3586.28		
		Total West Bengal	8619.26	8574.26	3504.11	3230.77	40362.42	37081.37		
OPGC	Thermal	IB TPS	420.00	420.00	248.21	221.67	2690.78	2412.40		
		IB TPS U#3(660 MW)	660.00	660.00	337.50	318.40	2897.93	2710.42		
		IB TPS U#4(660 MW)	660.00	660.00	353.29	333.30	3412.50	3191.10		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	27.11	27.01	666.60	664.37		
		Hirakud-II (Chiplima)	72.00	72.00	17.48	17.40	242.77	241.78		
		Balimela (6x60+2x75)	510.00	510.00	61.99	61.45	967.50	959.59		
		Rengali (5x50)	250.00	250.00	30.65	30.54	802.62	801.28		
		Upper Kolab (4x80)	320.00	320.00	54.82	54.62	386.40	383.72		
		Indravati HPS (4x150)	600.00	600.00	35.96	34.74	1109.28	1085.77		
		Mckd.(Odisha drawal)	57.38	57.38	19.07	19.07	258.23	258.23		
		Total Hydro	2084.88	2084.88	247.08	244.83	4433.40	4394.74		
		RES	539.57	539.57	65.30	65.30	629.12	629.12		
		Total Odisha	4364.45	4364.45	1251.37	1183.50	14063.72	13337.77		
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00	1.00	16.00	16.00		
NTPC		MTPS Stg-II	390.00	390.00	244.39	221.45	2314.27	2078.82		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	936.47	864.13	8285.62	7589.04		
		FSTPP (U# 6)	500.00	500.00	168.54	156.06	2835.11	2613.52		
		KhSTPP (4x210+3x500)	2340.00	2340.00	1246.09	1160.31	14756.48	13713.31		
		TSTPP (2x500)	1000.00	1000.00	664.04	614.90	6535.90	6027.66		
		BARH STPS II (2X660)	1320.00	1320.00	720.92	677.54	6591.24	6176.97		
		BARH STPS I (1X660)	660.00	660.00	114.56	105.83	1394.06	1244.87		
		BRBCL # 1,2,3,4(4X250 MW)	1000	1000	524.95	484.74	4994.68	4596.02		
		BRBCL # 4 infirm			0.00	0.00	47.56	41.71		
		NSTPS U# I&2	1320.00	1320.00	839.35	801.60	6962.19	6581.93		
		NSTPS infirm			36.71	34.87	263.07	233.21		
		DSTPP #1&2	1600.00	1600.00	751.83	700.86	7736.29	7243.65		
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	290.27	233.37		
		Total NTPC	11730.00	11730.00	6247.85	5822.30	63006.73	58374.07		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	9.34	9.34	315.06	315.06
				Teesta (3x170)	510.00	510.00	55.36	55.36	2505.06	2505.06
				TLDP(4x33+4x40) for WBSIEDCL	292.00	292.00	25.84	25.84	1273.96	1273.96
Total NHPC	862.00			862.00	90.54	90.54	4094.08	4094.08		
MPL (U#1&2)	1050.00			1050.00	514.30	484.86	7082.89	6676.75		
APNRL (U#1,2)	540.00			540.00	332.74	305.94	3352.09	3062.37		
GMR (2x350)	700.00			700.00	337.13	314.73	4447.42	4145.23		
JITPL (2X600)	1200.00			1200.00	729.27	682.86	7715.02	7225.68		
CHUZACHEN** (2x55)	110.00			110.00	6.61	6.61	494.95	494.95		
JORETHANG (2x48)	96.00			96.00	10.50	10.50	428.27	428.27		
TEESTA URJA St III (6x200)	1200.00			1200.00	138.98	138.98	5990.64	5990.64		
Tashilding (2x48.5)	97.00			97.00	11.51	11.51	439.15	439.15		
DICKCHU (2x48)	96.00			96.00	8.04	8.04	469.83	469.83		
RONGNICHU HEP (2x56.5)					0.05	0.05	301.68	301.68		
TALCHER SOLAR	10.00			10.00	1.20	1.20	11.60	11.60		
Total Thermal (E.R)	32135.00			32080.00	16265.79	15067.77	173874.68	160692.99		
Total Hydro (E.R)	5989.58			5989.58	676.20	673.83	19004.68	18964.18		
Total RES	1517.83			1517.83	115.79	115.79	1096.35	1096.35		
EASTERN REGIONAL				TOTAL (E.R)	39642.41	39587.41	17057.78	15857.39	193975.71	180753.52
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	0.00	0.00	1697.77	1697.77		
		Kurichu (4x15)	60.00	60.00	0.00	0.00	116.86	116.86		
		TALA (6x170)	1020.00	1020.00	0.00	0.00	2727.96	2727.96		
		DAGACHU (2x63)	126.00	126.00	17.36	17.36	481.13	481.13		
		MANGDECHU(4x180)	720.00	720.00	18.82	18.82	2781.99	2781.99		
		Grand Total	41928.41	41783.41	17093.96	15893.57	201781.44	188559.25		

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF FEB' 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 (2021-22) in MU	Cummulative PLF upto Current Month (%)
BIHAR	NTPC	Barauni (U# 6,7)	220.00	210.00	20.15	9.90	78.64	4.30
	Thermal	Barauni (U# 8)	250.00	250.00	144.34	85.92	1583.38	79.01
		Barauni (U# 9)	250.00	250.00	117.73	70.08	555.65	70.93
	(Dedicated for Bihar)	Muzaffarpur Stg-I	220.00	220.00	0.00	0.00	247.19	14.02
		Thermal Total	940.00	930.00	282.23	44.17	2464.85	39.11
	RES		354.91	354.91	36.26		283.82	
Total BIHAR			1294.91	1284.91	318.49		2748.67	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	222.16	78.71	1536.69	45.64
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	11.41		296.66	
	RES		60.41	60.41	0.00		0.00	
	Total		190.41	190.41	11.41		296.66	
DVC	Thermal	Bokaro-B(3)	0.00	0.00	0.00	0.00	0.00	0.00
		Chandrapura(U7 # 8)	500.00	500.00	308.63	91.85	3464.87	86.45
		Durgapur(4)	210.00	210.00	0.00	38.29	173.19	10.29
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	720.17	79.98	7342.44	68.36
		Mejia(U # 7,8)	1000.00	1000.00	286.74	42.67	5786.12	72.18
		Bokaro-A(1)	500.00	500.00	289.39	86.13	2637.90	65.82
		Durgapur STPS (U#1,2)	1000.00	1000.00	570.28	84.86	5523.10	68.90
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	466.42	57.84	5498.17	57.16
	Koderma STPS (U#1,2)	1000.00	1000.00	606.98	90.32	6219.66	77.59	
	Total Thermal		6750.00	6750.00	3302.66	72.81	36645.45	67.73
	Hydro	Maithon (U#1,2,3)	63.20	63.20	8.17		212.14	
		Panchet (U#1,2)	80.00	80.00	8.31		237.57	
		Tilaiya (U#1,2)	4.00	4.00	1.39		22.02	
		Hydro Total	147.20	147.20	17.87		471.72	
Total DVC		6897.20	6897.20	3320.52		37117.17		
WEST BENGAL								
WBPDC	Thermal	Bandel TPS	380.00	335.00	152.07	67.55	1553.29	57.84
		Santalidih TPS(U#5&6)	500.00	500.00	246.11	73.25	3543.74	88.42
		Kolaghat TPS	1260.00	1260.00	359.67	42.48	3857.59	38.19
		Bakreswar TPP	1050.00	1050.00	711.53	100.84	7532.04	89.49
		Sagardighi TPP	1600.00	1600.00	1086.37	101.04	10716.52	83.56
		DPPS (300+250 *)	550.00	550.00	163.51	44.24	2346.61	53.23
		Thermal Total	5340.00	5295.00	2719.26	76.42	29549.79	69.62
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	3.15		171.21	
		Rammam (4x12.73)	51.00	51.00	9.74		259.34	
		Teesta C.F. (3x3x7.5)	67.50	67.50	2.41		68.07	
		Purulia PSS (4x225)	900.00	900.00	118.32		1085.68	
		Total Hydro	1053.50	1053.50	133.62		1584.30	
		RES	500.76	500.76	12.03		155.81	
DE-COMM SSIONED	WBPDC, 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							
COMMISS- IONED	DVC, BTPS(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 FEB' 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 (2021-22) 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	0.74	0.81	138.77	12.82		
		Budge-Budge (3x250)	750.00	750.00	397.51	78.87	5049.82	84.00		
		Total CESC	1125.00	1125.00	398.25	52.68	5188.59	57.54		
HEL	Thermal	HEL	600.00	600.00	240.95	59.76	3883.93	80.75		
		Total West Bengal	8619.26	8574.26	3504.11		40362.42			
OPGC	Thermal	IB TPS	420.00	420.00	248.21	87.94	2690.78	79.92		
		IB TPS U#3(660 MW)	660.00	660.00	337.50	76.09	2897.93	54.78		
		IB TPS U#4(660 MW)	660.00	660.00	353.29	79.66	3412.50	64.50		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	27.11		666.60			
		Hirakud-II (Chiplima)	72.00	72.00	17.48		242.77			
		Balimela (6x60+2x75)	510.00	510.00	61.99		967.50			
		Rengali (5x50)	250.00	250.00	30.65		802.62			
		Upper Kolab (4x80)	320.00	320.00	54.82		386.40			
		Indravati HPS (4x150)	600.00	600.00	35.96		1109.28			
		Mckd.(Odisha drawal)	57.38	57.38	19.07		258.23			
		Total Hydro	2084.88	2084.88	247.08		4433.40			
		RES	539.57	539.57	65.30		629.12			
		Total Odisha	4364.45	4364.45	1251.37		14063.72			
(**) SIKKIM	Hydro	RES	52.18	52.18	1.00		16.00			
NTPC		MTPS Stg-II	390.00	390.00	244.39	93.25	2314.27	74.03		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	936.47	87.10	8285.62	64.60		
		FSTPP (U# 6)	500.00	500.00	168.54	50.16	2835.11	70.74		
		KhSTPP (4x210+3x500)	2340.00	2340.00	1246.09	79.24	14756.48	78.67		
		TSTPP (2x500)	1000.00	1000.00	664.04	98.82	6535.90	81.54		
		BARH STPS II (2X660)	1320.00	1320.00	720.92	81.27	6591.24	62.29		
		BARH STPS I (1X660)	660.00	660.00	114.56	25.83	1394.06	61.54		
		BRBCL # 1,2,3,4(4X250 MW)	1000.00	1000.00	524.95	78.12	4994.68	76.23		
		BRBCL # 4 infirm			0.00	0.00	47.56	0.00		
		NSTPS U# I&2	1320.00	1320.00	839.35	94.62	6962.19	79.19		
		NSTPS infirm					263.07			
		DSTPP #1&2	1600.00	1600.00	751.83	69.93	7736.29	78.24		
		DSTPP #2 infirm	0.00	0.00	0.00	0.00	290.27	0.00		
		Total NTPC	11730.00	11730.00	6247.85	79.26	63006.73	73.66		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	9.34		315.06	
				Teesta (3x170)	510.00	510.00	55.36		2505.06	
TLDP(4x33+4x40) for WBSEDCL	292.00			292.00	25.84		1273.96			
Total NHPC	862.00			862.00	90.54		4094.08			
Thermal	MPL (U#1&2)		1050.00	1050.00	514.30	72.89	7082.89	84.15		
	APNRL (U#1,2)		540.00	540.00	332.74	91.69	3352.09	77.44		
	GMR (2x350)		700.00	700.00	337.13	71.67	4447.42	79.26		
	JITPL (2X600)		1200.00	1200.00	729.27	90.44	7715.02	80.20		
	CHUZACHEN** (2x55)		110.00	110.00	6.61		494.95			
	JORETHANG (2x48)		96.00	96.00	10.50		428.27			
	TEESTA URJA St III (6x200)		1200.00	1200.00	138.98		5990.64			
	Tashilding (2x48.5)		97.00	97.00	11.51		439.15			
	DICKCHU (2x48)		96.00	96.00	8.04		469.83			
	RONGNICHU HEP (2x56.5)				0.05		301.68			
	TALCHER SOLAR		10.00	10.00	1.20		11.60			
	Total Thermal (E.R)		32135.00	32080.00	16265.79	75.25	173874.68	70.25		
EASTERN REGIONAL		Total Hydro (E.R)	5989.58	5989.58	676.20		19004.68			
		Total RES	1517.83	1517.83	115.79		1096.35			
		TOTAL (E.R)	39642.41	39587.41	17057.78		193975.71			
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	0.00		1697.77			
		Kurichu (4x15)	60.00	60.00	0.00		116.86			
		TALA (6x170)	1020.00	1020.00	0.00		2727.96			
		DAGACHU (2x63)	126.00	126.00	17.36		481.13			
		MANGDECHU(4x180)	720.00	720.00	18.82		2781.99			
		Grand Total	41928.41	41783.41	17093.96		201781.44			

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF FEB'2022 (23-2-2022)

Date 23-Feb-22
Time 19.00 **Hrs.**
Frequency 49.99 **Hz.**

(All Fig. in MW)

System/State	Installed	Effective	Hydro	Thermal	RES	Net Gen
	Capacity	Capacity				Total
BSPHCL	1295	1285	0	241	0	241
JUVNL	610	610	0	314	0	314
DVC	6897	6897	53	5254	0	5308
ODISHA	4364	4364	875	1429	15	2320
WBSEDCL	6344	6299	681	3801	0	4482
TLDP	292	292	216	0	0	216
HEL HALDIA	600	600	0	543	0	543
CESC	1125	1125	0	684	0	684
DPL	550	550	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	11730	11730	0	9933	0	9933
NHPC	570	570	349	0	0	349
CHUKHA	360	270	-61	0	0	-61
KURICHU	60	60	-5	0	0	-5
TALA	1020	1020	-43	0	0	-43
MPL	1050	1050	0	467	0	467
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	486	0	486
Kamalganga (GMR)	700	700	0	324	0	324
JITPL	1200	1200	0	1046	0	1046
RONGNICHU HEP (2x56.5)	113	113	0	0	0	0
Chuzachen	110	110	110	0	0	110
Jorethang	96	96	39	0	0	39
TEESTA URJA St III	1200	1200	738	0	0	738
Tashilding	97	97	44	0	0	44
DICKCHU	96	96	54	0	0	54
<u>Daghachu</u>	126	126	23	0	0	23
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdechu</u>	720	720	114	0	0	114
Total	41928	41783	3186	24521	15	27722
Import From Captive:						1329
Export To:						
NER						-598
SR						2435
WR						818
NR						4404
Bangladesh						729
Nepal						65
Total						7853
➤ nal Net Peak Demand Met (MW) :						21198

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

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of FEB'2022 (23-2-2022)

(All Figures in MW)

Generation			Total	Import from Captive	Net Import From Hydro of Bhutan	Net Export to other region	Demand Met	Freq. Correction	Load Shed	Requirement
Hrs.	Hydro	Thermal								
1	367	22432	22799	1186	-195	7775	16015	8	132	16155
2	256	22259	22515	1189	-187	7737	15780	8	168	15956
3	205	21984	22189	1186	-187	7767	15420	4	0	15424
4	181	22132	22313	1150	-189	7851	15423	24	0	15447
5	338	22568	22905	1167	-190	8250	15633	-8	0	15633
6	382	23242	23624	1220	-170	8537	16137	-14	0	16137
7	2327	24267	26594	1228	24	9496	18350	2	239	18591
8	3198	24686	27884	1265	27	9628	19548	2	326	19876
9	2886	24666	27552	1265	26	9144	19699	-16	222	19905
10	2134	24707	26841	1277	30	8590	19557	-3	293	19846
11	1232	24573	25805	1214	24	8164	18879	-12	91	18959
12	695	24402	25097	1241	28	7429	18936	27	162	19125
13	562	24275	24837	1242	-173	7350	18556	8	0	18565
14	511	23721	24232	1222	-267	7411	17775	-3	0	17775
15	409	23622	24031	1263	-265	7833	17196	12	0	17208
16	346	23641	23987	1263	-274	7800	17176	18	0	17194
17	575	24084	24660	1259	-287	7961	17672	28	0	17699
18	2023	24243	26265	1386	-9	8359	19284	-3	158	19439
19	3173	24521	27694	1329	28	7853	21198	7	335	21540
20	2501	24628	27130	1268	32	7741	20687	-5	335	21017
21	1560	24547	26107	1253	-173	7361	19825	10	177	20013
22	760	24073	24833	1277	-256	7187	18667	20	54	18741
23	630	23979	24609	1267	-231	7900	17745	17	0	17762
24	592	23232	23824	1271	-208	8032	16856	-1	0	16856

Hourly Load Generation Data of ER On Regional Lean Day During The Month of FEB'2022 (4-2-2022)

(All Figures in MW)

Generation			Total	Import from Captive	Net Import From Hydro of Bhutan	Net Export to other region	Demand Met	Freq. Correction	Load Shed	Requirement
Hrs.	Hydro	Thermal								
1	266	18915	19181	1064	-172	6395	13678	-1	0	13678
2	203	18250	18453	1123	-175	6407	12994	6	0	13000
3	218	17732	17949	1097	-172	6378	12497	7	1	12504
4	218	17842	18060	1113	-143	6857	12173	-2	8	12179
5	187	17764	17951	1137	-137	6870	12081	-4	13	12090
6	167	19612	19779	1166	-141	8670	12135	0	21	12156
7	506	22306	22812	1274	-55	10777	13254	-8	23	13269
8	1546	23229	24775	1312	19	10761	15345	-4	217	15557
9	1717	23065	24782	1264	17	9689	16373	-49	213	16538
10	1485	23354	24839	1281	15	9617	16518	-12	83	16589
11	1337	23353	24690	1282	14	9883	16103	-23	192	16273
12	956	23442	24398	1304	13	9608	16107	-3	148	16253
13	724	23729	24453	1292	-121	9563	16062	0	146	16209
14	432	22988	23420	1266	-285	9212	15189	1	21	15212
15	617	22528	23145	1282	-284	9130	15013	-9	19	15022
16	363	22803	23166	1193	-278	9441	14639	12	15	14666
17	440	23274	23714	1190	-247	8974	15683	-30	14	15696
18	1507	23613	25120	1249	15	9372	17012	-22	12	17024
19	2827	23825	26652	1291	18	9346	18615	-20	13	18627
20	3028	23958	26986	1262	18	9796	18471	-5	301	18766
21	2017	24034	26051	1243	-108	9841	17344	32	616	17992
22	1252	23768	25019	1222	-250	9576	16416	42	372	16829
23	766	23254	24020	1243	-210	9505	15549	26	162	15736
24	600	21995	22595	1232	-176	8834	14816	0	4	14820

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

FOR THE MONTH OF FEB'2022

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 26.23 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 52.14 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 1.5 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 Feb-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 HZ	HRS.	MIN HZ	HRS.	MAX HZ	HRS.	MIN HZ	HRS.	
	TO	TO	TO	TO	TO	TO	<49.9	TO	TO									
05	10	17	22	24	24	50.1		50.05										
01-Feb	50.00	49.93	49.99	49.98	50.00	49.98	8.72	77.72	13.56	77.72	50.21	18:01:30	49.70	07:12:30	50.07	0:00	49.81	0:00
02-Feb	50.00	49.98	49.99	50.01	50.03	50.00	3.63	79.69	16.68	79.69	50.20	16:03:40	49.74	07:27:40	50.07	0:00	49.86	0:00
03-Feb	50.00	49.99	49.96	50.01	49.95	49.99	8.14	75.60	16.26	75.60	50.21	06:02:50	49.74	15:24:30	50.09	0:00	49.80	0:00
04-Feb	50.00	50.03	50.01	49.99	49.98	50.00	2.81	73.14	24.05	73.14	50.22	16:04:10	49.80	21:09:00	50.14	0:00	49.86	0:00
05-Feb	50.00	50.00	50.00	50.00	49.98	50.00	1.67	78.14	20.14	78.14	50.18	13:03:40	49.85	22:06:00	50.09	0:00	49.92	0:00
06-Feb	50.00	50.00	50.02	50.02	49.95	50.00	3.25	74.94	21.81	74.94	50.26	18:03:20	49.81	09:09:40	50.13	0:00	49.87	0:00
07-Feb	49.99	49.95	49.98	50.01	49.99	49.98	7.87	78.14	13.99	78.14	50.19	18:02:10	49.71	05:49:50	50.06	0:00	49.81	0:00
08-Feb	49.99	49.95	49.97	50.01	49.99	49.98	9.63	74.81	15.56	74.81	50.18	17:03:10	49.74	06:44:20	50.07	0:00	49.83	0:00
09-Feb	50.00	50.02	50.02	50.01	50.01	50.02	0.32	72.93	26.75	72.93	50.24	06:02:20	49.88	01:37:10	50.11	0:00	49.93	0:00
10-Feb	50.03	50.02	50.00	49.98	50.00	50.01	3.14	72.62	24.25	72.62	50.22	17:02:50	49.79	15:54:30	50.11	0:00	49.86	0:00
11-Feb	49.98	50.01	49.98	49.99	49.95	49.99	4.98	79.50	15.52	79.50	50.15	08:34:10	49.64	12:21:00	50.11	0:00	49.79	0:00
12-Feb	49.96	49.98	49.97	49.99	49.95	49.97	10.76	78.41	10.82	78.41	50.15	18:03:10	49.81	21:05:20	50.06	0:00	49.86	0:00
13-Feb	49.96	49.99	50.00	49.98	50.00	49.99	4.78	81.57	13.65	81.57	50.19	16:02:30	49.84	19:17:30	50.08	0:00	49.89	0:00
14-Feb	49.98	49.97	49.99	50.00	49.99	49.99	6.21	78.59	15.20	78.59	50.17	13:01:30	49.73	06:12:20	50.09	0:00	49.86	0:00
15-Feb	49.99	49.98	49.94	49.98	49.98	49.97	10.00	79.25	10.75	79.25	50.17	16:04:20	49.77	14:51:10	50.05	0:00	49.83	0:00
16-Feb	49.96	49.95	49.98	50.00	49.98	49.98	8.29	80.00	11.71	80.00	50.17	18:01:00	49.77	06:13:40	50.05	0:00	49.83	0:00
17-Feb	50.00	49.98	49.99	49.98	49.99	49.99	6.42	78.94	14.64	78.94	50.15	18:01:50	49.80	22:09:30	50.08	0:00	49.88	0:00
18-Feb	50.00	49.99	49.99	50.00	49.99	49.99	3.83	78.85	17.31	78.85	50.19	06:02:30	49.81	21:05:30	50.06	0:00	49.87	0:00
19-Feb	50.01	50.02	49.98	49.99	49.95	49.99	4.27	76.85	18.88	76.85	50.20	06:02:30	49.83	21:08:10	50.08	0:00	49.88	0:00
20-Feb	49.98	50.00	50.00	49.98	49.99	49.99	1.88	83.69	14.43	83.69	50.20	14:04:50	49.74	18:56:40	50.11	0:00	49.90	0:00
21-Feb	50.01	49.95	49.94	50.00	50.00	49.97	14.17	72.66	13.17	72.66	50.14	13:03:10	49.54	06:12:20	50.13	0:00	49.83	0:00
22-Feb	49.99	49.95	50.00	50.00	49.98	49.99	8.43	69.93	21.64	69.93	50.20	12:01:50	49.83	07:15:00	50.07	0:00	49.64	0:00
23-Feb	49.99	50.01	49.98	49.99	49.99	49.99	3.84	79.83	16.33	79.83	50.24	18:02:10	49.83	16:44:50	50.07	0:00	49.89	0:00
24-Feb	49.97	49.95	49.97	49.95	50.00	49.96	12.42	78.23	9.35	78.23	50.15	16:02:40	49.72	06:43:40	50.05	0:00	49.80	0:00
25-Feb	49.97	50.00	50.01	50.01	50.01	50.00	4.84	71.31	23.85	71.31	50.21	18:02:10	49.76	06:10:40	50.10	0:00	49.85	0:00
26-Feb	50.02	50.02	49.97	50.00	49.98	50.00	5.00	73.26	21.74	73.26	50.20	6:00	49.82	14:55	50.10	0:00	49.86	0:00
27-Feb	49.98	50.02	50.01	49.99	50.02	50.00	3.13	75.14	21.74	75.14	50.21	06:01:40	49.82	18:39:10	50.11	0:00	49.89	0:00
28-Feb	50.00	50.02	49.97	50.00	49.94	49.99	4.84	79.06	16.10	79.06	50.24	06:02:50	49.78	12:15:30	50.10	0:00	49.86	0:00
MAX	50.03	50.03	50.02	50.02	50.03	50.02	14.17	83.69	26.75	83.69	50.26		49.88		50.14		49.93	
MIN	49.96	49.93	49.94	49.95	49.94	49.96	0.32	69.93	9.35	69.93	50.14		49.54		50.05		49.64	
AVG	49.99	49.99	49.99	50.00	49.98	49.99	5.97	76.89	17.14	76.89	50.19		49.77		50.09		49.85	

SUMMARY:

Avg. Frequency : **49.99 Hz.**

Instantaneous Frequency :

Maximum Frequency : 50.26 Hz at 18:03 Hrs.

Minimum Frequency : 49.54 Hz at 07:15 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.14 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.64 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	5.97	76.89	17.14

VOLTAGE ANALYSIS

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

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	425	398	415	401	415	394	423	397

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	419	388	419	394	406	395	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
Feb-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	
			(28-02-22)	(28-02-21)		
Hirakud	192	180	190.23	188.56	191.00	01.02.22
Balimela	462	439	451.01	452.51	451.71	01.02.22
Rengali	123	109	121.28	116.93	121.77	01.02.22
Upperkolab	858	844	850.03	849.79	851.29	01.02.22
Indravati	642	625	631.48	635.82	632.00	01.02.22
Subernrekha	590	580	585.83	585.00	586.65	01.02.22

B.

CPP/IPP IMPORT by Eastern Region Constituents during Feb-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	36.96
West Bengal	60.41	24.29	0	0	0	0	0	195.14	279.83
ODISHA	0	0	30.71	43.49	3.06	0.00	0	430.62	507.88
DVC	0	0	0	0	0	0	14.88	0	14.88
TOTAL	60.41	24.29	30.71	43.49	3.06	0.00	14.88	625.75	839.56

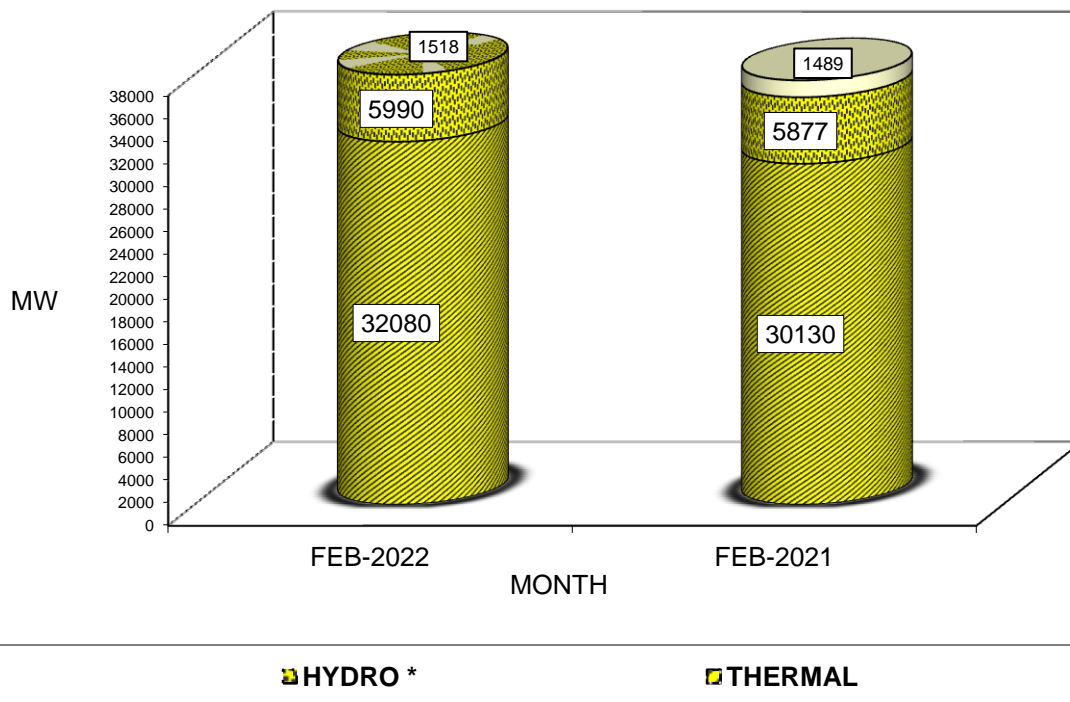
C.

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

(All figs. are in MU)

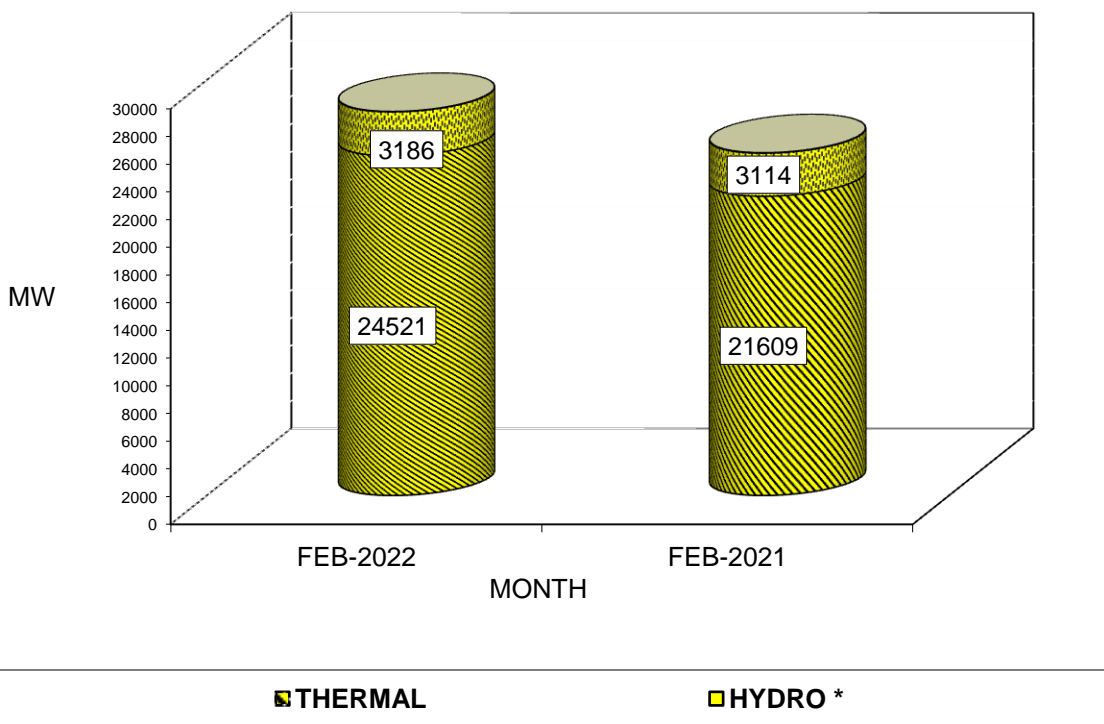
IPP	TPDDL	WBSEDCL/ WBPDCDCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	133.20	148.60	74.56	0.00	0	0	127.87	484.23
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	0.00	0	0.00	0.00	0.00	0.00	0.00
Total	133.20	148.60	74.56	0.00	0.00	0.00	127.87	484.23

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



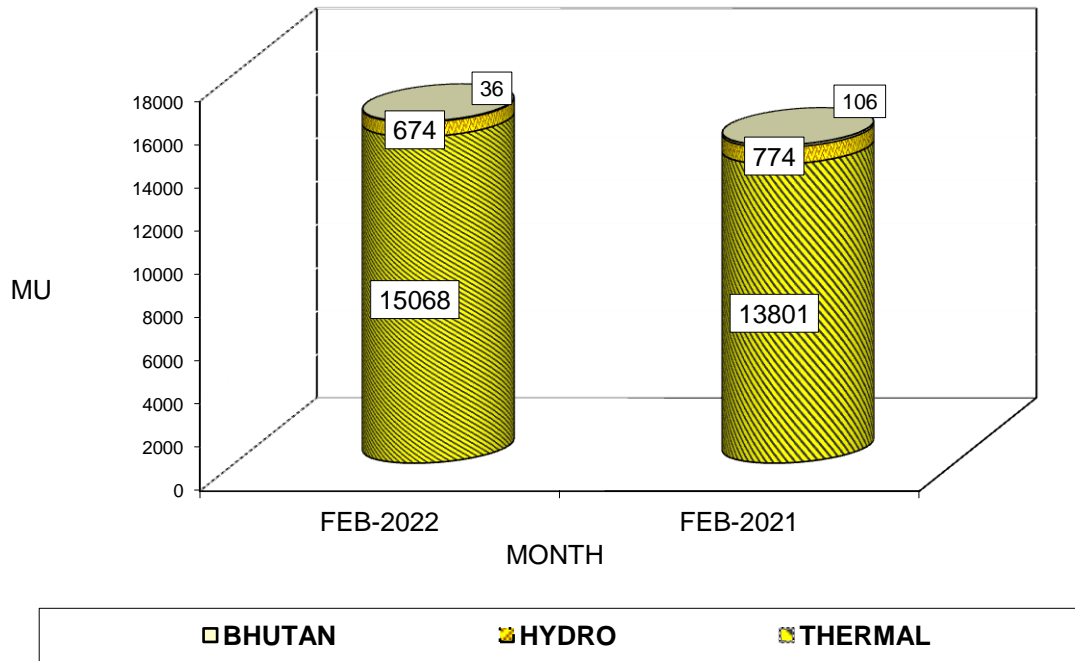
*Excludes contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

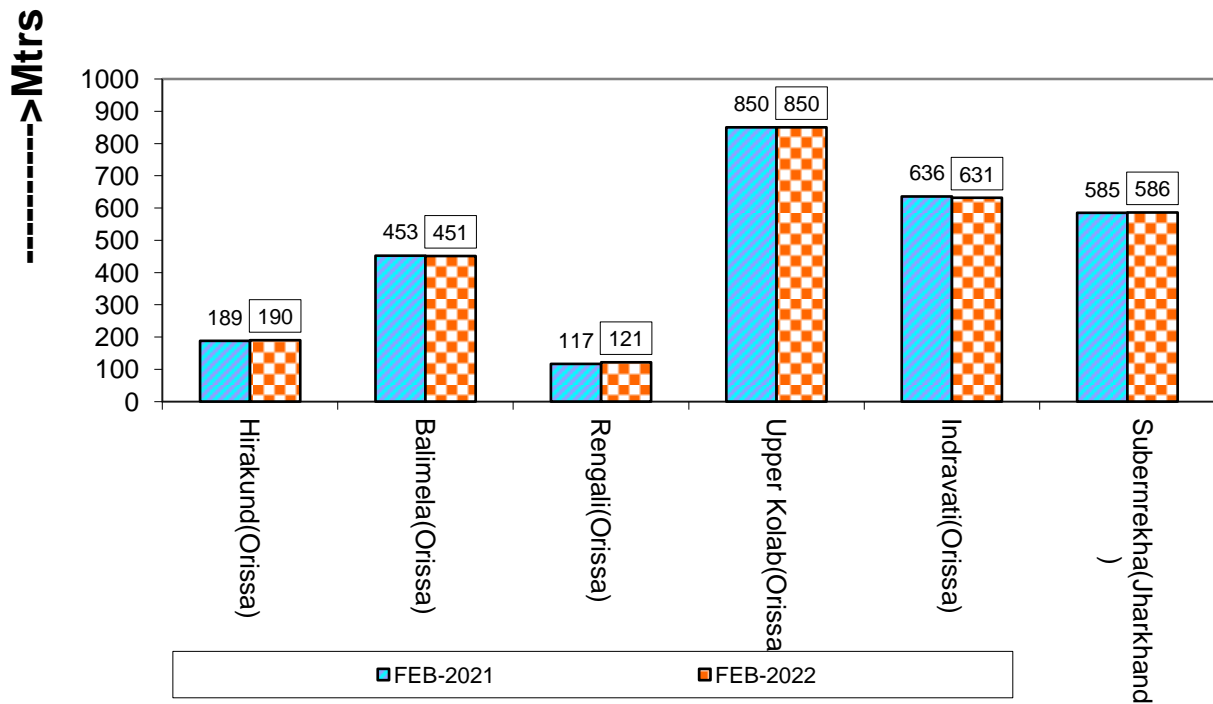


*Includes contribution from HEP of Bhutan

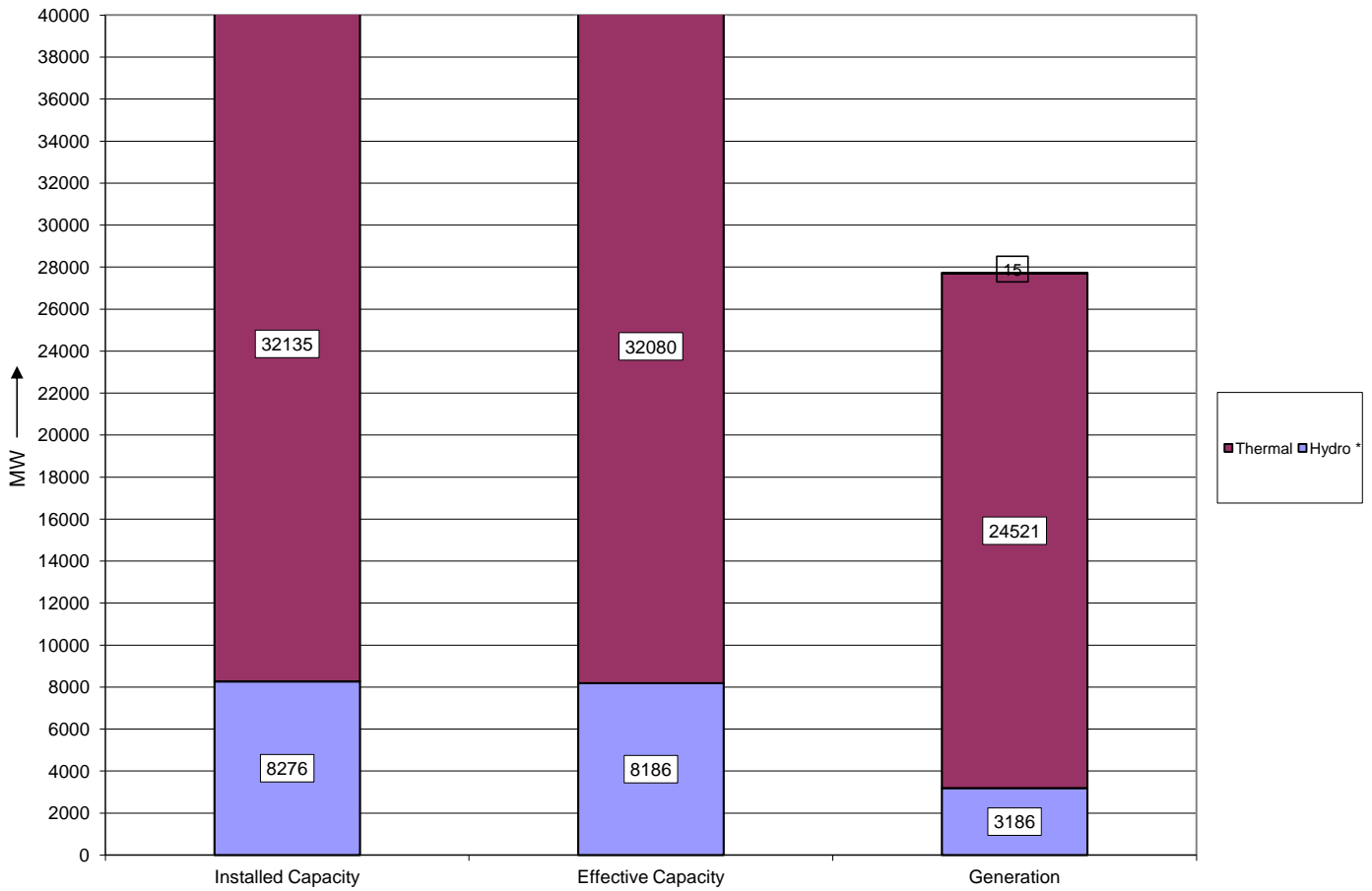
NET ENERGY GENERATION



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

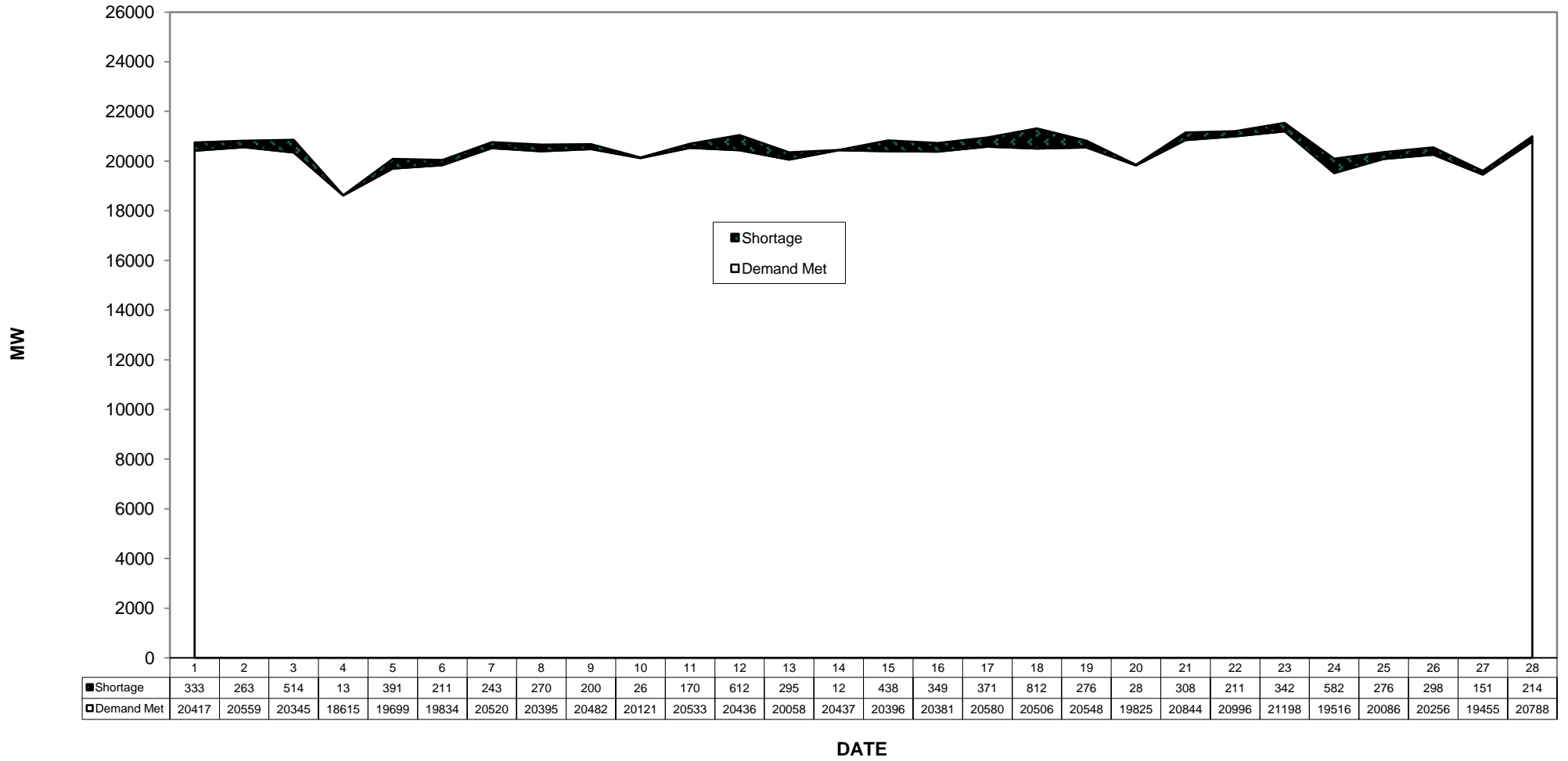


Capacity / Actual Generation Pattern of ER on Peak Day (23-2-2022) at 19.00 hrs.

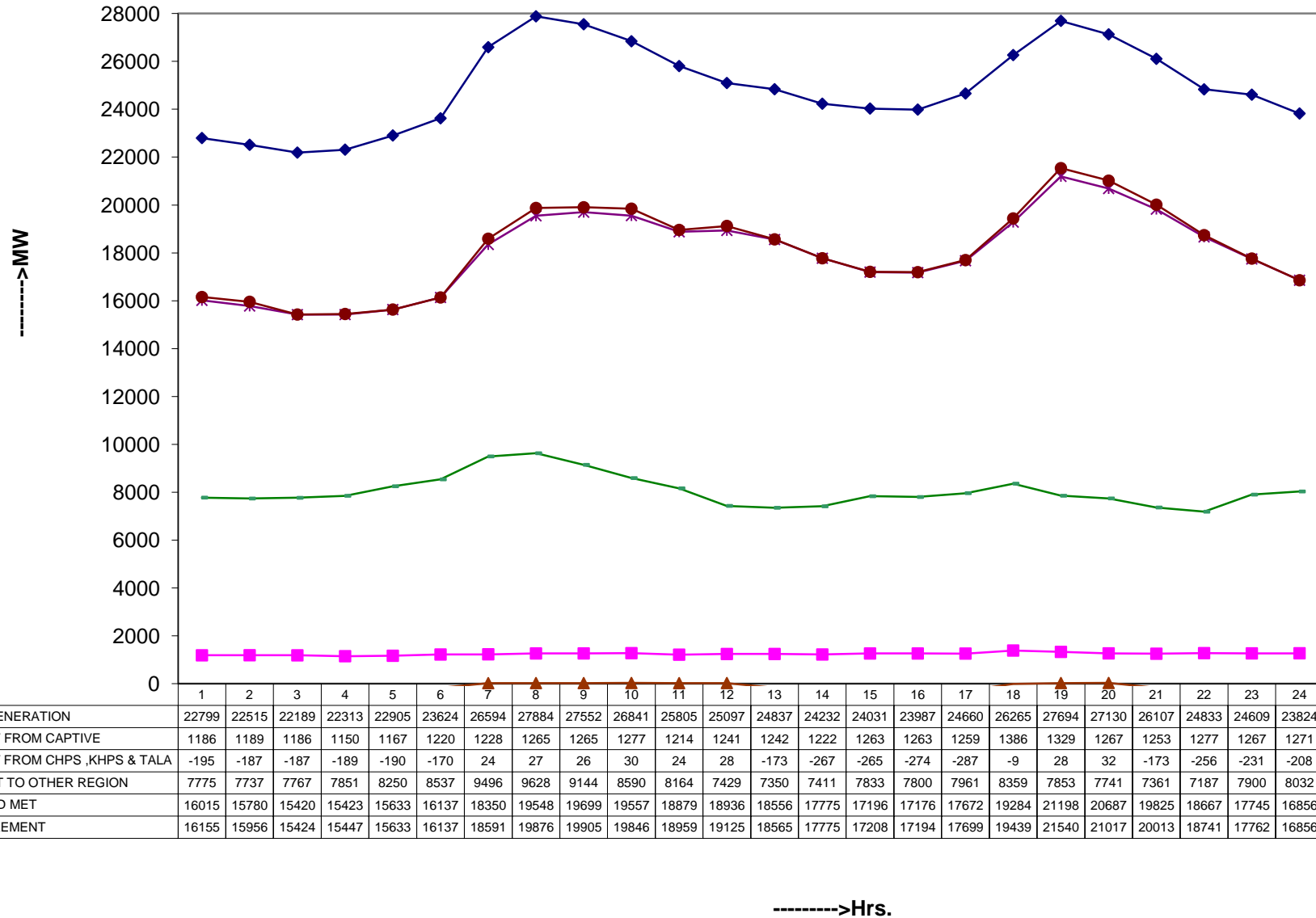


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

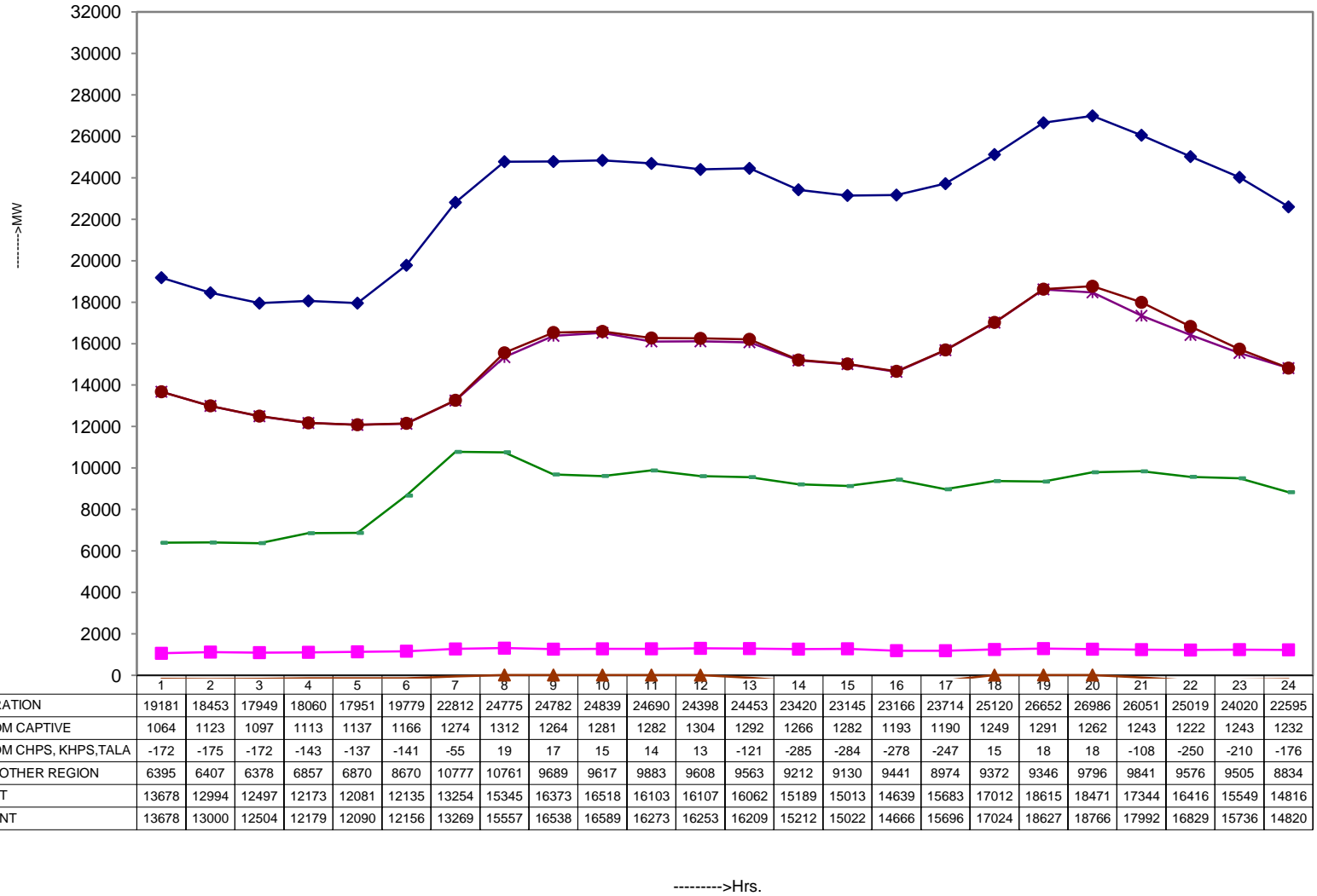
Peak Demand Met / Shortage of Eastern Region For The Month Of FEB'2022



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of FEB'2022 (23-2-2022)



Hourly Load Generation Data of ER On Regional Lean Day During The Month of FEB'2022 (4-2-2022)



◆ OWN GENERATION	19181	18453	17949	18060	17951	19779	22812	24775	24782	24839	24690	24398	24453	23420	23145	23166	23714	25120	26652	26986	26051	25019	24020	22595
■ IMPORT FROM CAPTIVE	1064	1123	1097	1113	1137	1166	1274	1312	1264	1281	1282	1304	1292	1266	1282	1193	1190	1249	1291	1262	1243	1222	1243	1232
▲ IMPORT FROM CHPS, KHPS, TALA	-172	-175	-172	-143	-137	-141	-55	19	17	15	14	13	-121	-285	-284	-278	-247	15	18	18	-108	-250	-210	-176
— EXPORT TO OTHER REGION	6395	6407	6378	6857	6870	8670	10777	10761	9689	9617	9883	9608	9563	9212	9130	9441	8974	9372	9346	9796	9841	9576	9505	8834
* DEMAND MET	13678	12994	12497	12173	12081	12135	13254	15345	16373	16518	16103	16107	16062	15189	15013	14639	15683	17012	18615	18471	17344	16416	15549	14816
● REQUIREMENT	13678	13000	12504	12179	12090	12156	13269	15557	16538	16589	16273	16253	16209	15212	15022	14666	15696	17024	18627	18766	17992	16829	15736	14820