



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

Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033

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No. ERPC/Reporting/LGBR/2021-22/1414

Date: 19.01.2022

From: Member Secretary, ERPC, Kolkata

To: As per list enclosed

Sub: Draft Load Generation Balance Report (LGBR) for the year 2022-23 of Eastern Region.

विषय: पूर्वी क्षेत्र के वर्ष 2022-23 के लिए ड्राफ्ट एलजीबीआर - के बारे में।

Sir,

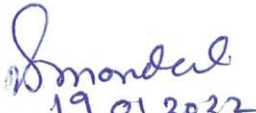
Enclosed please find the minutes of meeting on finalization of draft LGBR of Eastern Region for the year 2022-23 held on 11.01.2022 on MS Teams Online platform. The draft LGBR 2022-23 has been prepared after the detailed discussion with the constituents of Eastern Region in the meeting.

The following considerations have been made for preparation of the report:

- (i) Coordinated Annual Maintenance Programme of thermal generating units in Eastern Region as per the deliberation in the LGBR meeting held on 11.01.2022.
- (ii) Month-wise Peak Demand (MW) and Energy Requirement (MU) of ER constituents based on past trend, expected growth and discussion with respective utilities in the LGBR meeting on 11.01.2022.
- (iii) Energy availability from new thermal units which are expected to be declared commercial operation during 2022-23 have also been considered as per the figures received from the constituents.

The final LGBR of Eastern Region for the year 2022-23 will be published after the receipt of Annual generation target from CEA/MoP.

Encl.: As above.


19.01.2022
(N.S. Mondal)
Member Secretary

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25. PLANT HEAD, MTPS-II, NTPC, MUZAFFARPUR,BIHAR.
26. PLANT HEAD, BRBCL, NTPC, NABI NAGAR,BIHAR
27. PLANT HEAD,NPGC, NTPC, SHIVANPUR, AURANGABAD,BIHAR
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37. MANAGING DIRECTOR, DRUK GREEN POWER CORPORATION, P.O. BOX -1351, THIMPU, BHUTAN –(FAX NO 00975- 2336411)

38. GENERAL MANAGER, TEESTA VALLEY POWER TRANSMISSION LTD.,. 2nd FLOOR, VIJAYA BUILDING, 17,BARAKHAMBA ROAD,CONNAUGHT PLACE,NEW DELHI-110001(91-11-46529744)
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48. PLANT HEAD,CHUZACHEN HPS,SIKKIM
49. PLANT HEAD,TASHIDING HPS,SIKKIM
50. PLANT HEAD, RONGNICHU HPS,SIKKIM
51. HEAD CONSTRUCTION, EAST – NORTH INTERCONNECTION COMPANY LIMITED (ENICL), C/O GANGADHAR MEMORIAL EDUCATION SOCIETY, GANGADHAR SADAN, 2ND FLOOR, BEHIND SPENCER PLAZA, BURDWAN ROAD, SILIGURI - 734005.
52. PROJECT DIRECTOR (AM / O&M), ODISHA GENERATION PHASE – II TRANSMISSION LIMITED (OGPTL), TULIP – 634, NEW MINAL RESIDENCY, J.K.ROAD, NEAR AYODHA BYPASS, BHOPAL – 462023, MADHYA PRADESH.
53. HEAD (AM / O&M), PURULIA & KHARAGPUR TRANSMISSION COMPANY LIMITED (PKTCL), TULIP – 634, NEW MINAL RESIDENCY, J.K.ROAD, NEAR AYODHA BYPASS, BHOPAL – 462023, MADHYA PRADESH.
54. CHIEF EXECUTIVE OFFICER, CROSS BORDER POWER TRANSMISSION COMPANY LIMITED (CPTC), FIRST FLOOR, CORPORATE OFFICE TOWER AMBIENCE MALL COMPLEX, AMBIENCE ISLAND, NH – 8, GURGAON, HARYANA – 122001.
55. THE EXECUTIVE DIRECTOR & CEO, POWERLINKS TRANSMISSION LIMITED, 10TH FLOOR, DLF TOWER – A, DISTRICT CENTRE – JASOLA, NEW DELHI – 110025.

ERPC:: Kolkata

Minutes of the Meeting on LGBR 2022-23 of Eastern Region held at ERPC on 11.01.2022 at 11:30 hrs.

The meeting was convened through MS Team Online Platform.

EE(Operation), ERPC welcomed the participants present on webinar and requested Member Secretary, ERPC to give his opening remarks. Member Secretary, ERPC welcomed the participants in the meeting. In his opening remarks, he mentioned that preparation of LGBR for the coming year (2022-23) is an important planning process in which entire operational performance is dependent so as to match the generation availability in the country with respect to growing load/ demand. He also mentioned that due to COVID-19 pandemic most of the generating units were unable to avail their scheduled maintenance as finalised in the LGBR 2021-22 meeting. However, he requested constituents to avail the scheduled maintenance of remaining units in the month of January-2022 and February-2022 being lean demand months so that maintenance of generating units for the year 2021-22 need not be deferred /spilled over to the year 2022-23. He also requested constituents to adhere to scheduled maintenance of generating units as finalised in LGBR meeting for the coming year 2022-23. Further, he indicated that any deviation of actual drawl / generation against their final schedule which would attract penalty under DSM, hence unnecessary burden to the customer should be avoided.

He thereafter, requested Shri Alik De, EE and Shri S.Sarvesh, AEE to take up the agenda points for discussions:

Constituents also raised concerns for any deferment of scheduled maintenance of thermal units particularly from Central Sector as it forced them to absorb high cost of power from IEX, STO A etc. Therefore, final maintenance schedule as agreed upon should be strictly adhered to.

Shri S.M.Jha, Consultant thanked the constituents for providing the necessary data for the preparation of draft LGBR 2022-23.

Item No.1: Details of proposed unit-wise Maintenance Programme of Thermal Generating Units in Eastern Region

The proposals of maintenance plan of thermal units as received from the constituents and indicated in the agenda at **Annexure-I** was taken up for deliberation. On analysis of the proposal of the constituents, the scheduled maintenance programmes of most of the units were found to be in order and it was accordance to the demand profile of Eastern Region. However, from the month of April to October, Eastern Region witnesses high demand and therefore, minimum planned maintenance of thermal units should be allowed during April, 2022 to October, 2022 (i.e. high demand period) and maximum planned maintenance of thermal units should be availed during November, 2022 to February, 2023 (i.e. low demand period).

ERPC Secretariat was of the view that April, May & June and pre-puja days in August/September would be normally higher demand period in Eastern Region. Also, it has been observed that the hydro level of Balimela HPS and Indravati HPS of Odisha are 5 to 6 meters less than the previous year hydro level due to less rainfall in that region. In view of the above, the maintenance schedule of following units may be considered for deferment, possibly during lean demand period i.e. during November-2022 to February-2023, wherever possible. WBSEDCL & BSPHCL representatives stated that no maintenance schedule of NTPC Stations should be accorded during April-2022 to October-2022. After detailed deliberation, the schedule maintenance programme of following units has been revised:

Sl.	System	Name of Thermal Station	Unit No.	Capacity (MW)	Schedule maintenance programme as requested by the Constituents	Agreed Schedule maintenance programme in the meeting
1	OPGC	IB TPS	4	660	01.04.22 - 30.04.22 (30 days)	01.12.22 - 30.12.22 (30 days)
2	WBPDC	Santaldih TPS	6	250	17.08.22 - 20.09.22 (35 days)	12.08.22 - 15.09.22 (35 days)
3	DPL	DPPS	8	250	26.06.22 - 09.08.22 (45 days)	01.12.2022 - 14.01.23 (45 days)
4	DVC	Raghunathpur TPS	1	600	01.09.21 - 16.10.22 (45 days)	01.12.22 - 14.01.23 (45 days)
5	NTPC	Barh STPS	4	660	01.09.22 - 15.10.22 (45 days)	01.12.22 - 14.01.23 (45 days)
6	NTPC	Farakka STPS	3	200	20.08.22 - 23.09.22 (35 days)	01.01.23 - 04.02.23 (35 days)
7	NTPC	Farakka STPS	5	500	25.03.22 - 08.05.22 (45 days)	01.11.22 - 15.12.22 (45 days)
8	NTPC	Farakka STPS	6	500	21.06.22 - 30.07.22 (40 days)	17.12.22 - 25.01.23 (40 days)
9	NPGCL	Nabinagar STPS	1	660	20.06.22 - 24.07.22 (35 days)	01.11.22 - 05.12.22 (35 days)

Item No.2: Abstract of System-wise Unrestricted Peak Demand & Off-Peak Demand (MW)

The month-wise Unrestricted Demand (MW) as received from the constituents has been revised in the meeting considering the actual Demand met during current year and previous year. Based on the demand forecast of the constituents and projected demand, the cumulative regional demand during the year 2022-23 would likely to vary in the range of 21,740 MW to 26,750 MW. The regional monthly peak surplus considering export of power to neighbouring countries through DVC only worked out to be in the range of (+)70 MW to 2970 MW on account of expected addition of thermal generation capacity of 1320 MW during 2022-23. However, Jharkhand state would likely to be in peak deficit on monthly basis throughout the year considering their present availability from all sources.

The anticipated month-wise Peak and Off-Peak demand (MW) against Availability (MW) of the constituents have been shown at **Annexure – II & Annexure-III**, respectively.

Item No. 3 Abstract of System-wise Unrestricted Energy Requirement (MU)

The expected monthly energy requirement (MU) of the constituents against their energy availability indicates Jharkhand would be in deficit throughout the year 2022-23 except June, August, September & October-2022; DVC will be in deficit throughout the year except September-2022, October-2022 & February-2023; WBSedCL would have deficit only in April-2022, whereas CESC would manage the shortfall by purchasing power through IEX. Rest of the constituents would meet their energy requirement and also have surplus of energy. Eastern Region as a whole would be in surplus in energy on monthly basis. The energy availability from the new units of NTPC stations has also been considered. The energy availability would vary from 15,360 MU to 19,175 MU on monthly basis considering monthly scheduled maintenance of generating units. The anticipated month-wise Energy Requirement (MU) against Availability (MU) of the constituents has been shown at **Annexure-IV**.

Schedule of Commissioning of New Generating Units in the Constituent Systems

The following units are likely to be commissioned during 2022-23 and their energy availability (MU) have been taken into consideration as agreed by the constituents:

System	Name of Thermal Station	Capacity (MW)	Expected date of commercial operation
NTPC	Barh STPS Stg-I U#2	660	01.08.2022
NPGC	Nabinagar STPS U #3	660	01.03.2022
TOTAL		1320	

The final LGBR of Eastern Region would be subsequently prepared and published on receipt of Annual Generation Target from CEA/MoP.

The meeting ended with vote of thanks to the chair.

ERPC:KOLKATA

Maintenance Schedule of Thermal Generating Units of ER during 2022-23

System	Station	Unit	Capacity (MW)	Period		No. of Days	Reason
				From	To		
TVNL	Tenughat TPS	1	210	21.08.2022	10.09.2022	21	Annual Maintenance and R&M
		2	210	01.07.2022	14.08.2022	45	Overhauling and R&M
DVC	Mejia TPS	1	210	15.06.2022	04.08.2022	50	COH -Blr, Turb- RLA, Gen, FGD, C&I upgradation
	Mejia TPS	4	210	01.11.2022	06.12.2022	35	BOH- Blr RLA, FGD & De-Nox Burner
	Mejia TPS	6	250	15.03.2022	19.04.2022	35	AOH, Turb, Blr-RLA, FGD, De-Nox Burner, & Gen
	Mejia TPS	8	500	20.12.2022	24.01.2023	35	AOH -Blr, LPT, Gen, FGD
	Chandrapura TPS	7	250	25.04.2022	30.05.2022	35	AOH- Blr, LPT, Gen, FGD & De-Nox Burner
	DSTPS	2	500	01.11.2022	06.12.2022	35	BOH, FGD & De-Nox Burner
	Koderma TPS	1	500	15.07.2022	19.08.2022	35	AOH-Blr, LPT, Gen, FGD & De-Nox Burner
	RTPS	1	600	01.12.2022	14.01.2023	45	AOH-Blr, LPT, Gen, FGD & De-Nox Burner
Odisha	IB TPS	1	210	01.01.2023	25.01.2023	25	Annual Maintenance
		3	660	01.11.2022	25.11.2022	25	Annual Maintenance
		4	660	01.12.2022	30.12.2022	30	Annual Maintenance
WBPDC	Kolaghat TPS	1	210				R&M in PROGRESS since 07.06.2018
		2	210				R&M in PROGRESS since 11.07.2020
		3	210	07.01.2023	16.01.2023	10	PG Test
		4	210	04.06.2022	13.06.2022	10	PG Test
		5	210	17.01.2023	05.02.2023	20	AOH/BOH
		6	210	10.07.2022	08.08.2022	30	AOH/BOH
	Bakreswar TPS	1	210	20.11.2022	29.11.2022	10	PG Test
		2	210	20.06.2022	29.06.2022	10	PG Test
		3	210	23.11.2022	01.01.2023	40	COH
		4	210	20.08.2022	29.08.2022	10	PG Test
		5	210	18.06.2022	17.07.2022	30	COH
	Bandel TPS	2	60	16.08.2022	14.09.2022	30	AOH/BOH
		5	215	10.12.2022	19.12.2022	10	PG Test
	Santalidih TPS	5	250	01.12.2022	09.12.2022	9	PG Test
		6	250	12.08.2022	15.09.2022	35	COH
	Sagaridighi TPS	1	300	20.09.2022	29.09.2022	10	PG Test
2		300	20.07.2022	13.08.2022	25	AOH/BOH	
3		500	27.10.2022	20.11.2022	30	COH	
4		500	20.11.2022	29.11.2022	10	PG Test	
CESC	BUDGE-BUDGE	1	250	04.11.2022	29.11.2022	26	Not Specified
		2	250	01.12.2022	07.12.2022	7	Not Specified
		3	250	09.12.2022	24.12.2022	16	Not Specified
SOUTHERN	1	67.5	12.07.2022	21.07.2022	10	Not Specified	
	2	67.5	25.07.2022	08.08.2022	15	Not Specified	
HEL	HALDIA	1	300	27.12.2022	28.12.2022	2	Not Specified
		2	300	31.12.2022	01.02.2023	33	Not Specified
DPL	DPPS	7	300	16.08.2022	25.08.2022	10	Boiler License Renewal
		8	250	01.12.2022	14.01.2023	45	Boler+Turbine+Gen. Maint.
NTPC	FSTPP	2	200	25.12.2022	28.01.2023	35	Boiler+ Bearing Inspection+FGD
		3	200	01.01.2023	04.02.2023	35	Boiler+FGD+MOP&TG Bearing
		5	500	01.11.2022	15.12.2022	45	FGD Damper Installation
		6	500	17.12.2022	25.01.2023	40	Boiler OH+ De-NOx+ HPT OH+ LPT OH+ FGD damper installation
	KhSTPS	1	210	05.01.2023	03.02.2023	30	Boiler+Generator
		2	210	17.03.2022	20.04.2022	35	Boiler+Turbine+De-Nox+FGD
		5	500	01.03.2023	14.04.2023	45	Boiler+Generator+Combustion Modification
		6	500	12.08.2022	25.09.2022	45	Boiler+LP+Gen.+ Combustion Modification
	Barh	4	660	01.12.2022	14.01.2023	45	Boiler+HPT+IP+LPT+Bearing Inspection
	Barauni	8	250	01.03.2022	04.04.2022	35	Boiler+LPT+Gen.+Bearing+Valve+De-Nox
TSTPS	2	500	01.11.2022	15.12.2022	45	COH	
Darlipalli STPS	1	800	10.02.2023	10.04.2023	60	COH	
KBUNL	KBUNL	4	195	01.07.2022	05.08.2022	35	Boiler+DeNOx+Bearing Inspection
BRBCL	Nabinagar TPS	2	250	25.08.2022	03.10.2022	40	Biennial Overhaul; Boiler license Renewal
		3	250	01.07.2022	14.08.2022	45	Barring Gear Stalling issue, HPT, Boiler, TG overhaul
NPGCL	Nabinagar STPS	1	660	01.11.2022	05.12.2022	35	AOH
		2	660	27.12.2022	31.12.2022	5	Boiler License Renewal
		3	660	26.06.2022	30.06.2022	5	Boiler License Renewal
IPP	GMR	1	350	01.11.2022	15.12.2022	45	COH
		2	350	01.01.2023	14.02.2023	45	Annual Turbine Overhauling
		3	350	10.02.2023	16.03.2023	35	Annual Turbine Overhauling
	JITPL	1	600	01.11.2022	15.12.2022	45	COH
		2	600	18.12.2022	31.01.2023	45	COH
	APNRL	2	270	10.04.2022	30.04.2022	21	AOH/BOH

**ABSTRACT OF STATEWISE/SYSTEMWISE/CONSTITUENTWISE PEAK DEMAND- vs- AVAILABILITY
IN EASTERN REGION FOR THE PERIOD FROM APRIL-2022 TO MARCH-2023**

(ALL FIGURES IN MW & NET)

SL.NO	PARTICULARS	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
1	BIHAR												
i)	NET MAX DEMAND	6140	6275	6450	6880	6615	6850	6740	5020	5200	5250	5400	5780
ii)	NET POWER AVAILABILITY- Own	539	553	555	554	554	554	552	554	606	607	607	606
iii)	Central Sector+Bi-Lateral	6666	6663	6581	6553	6647	7239	7193	6234	6033	6506	6867	7078
iv)	SURPLUS(+)/DEFICIT(-)	1065	940	686	227	586	943	1005	1769	1439	1862	2074	1904
2	JHARKHAND												
i)	NET MAX DEMAND	1780	1800	1760	1700	1670	1770	1780	1780	1820	1830	1850	1860
ii)	NET POWER AVAILABILITY- Own Source	333	462	462	295	328	406	462	462	462	462	462	462
iii)	Central Sector+Bi-Lateral+CPP	1189	1199	1192	1193	1203	1243	1248	1081	1027	1012	1083	1050
iv)	SURPLUS(+)/DEFICIT(-)	-258	-139	-106	-212	-139	-120	-70	-237	-330	-356	-304	-347
3	DVC												
i)	NET MAX DEMAND (OWN)	3185	3075	3095	3060	3065	3100	3115	3095	3125	3185	3225	3260
ii)	NET POWER AVAILABILITY- OWN SOURCE	5147	5115	5223	5046	5164	5425	5425	4755	4582	4832	5311	5311
iii)	- Central Sector+MPL	350	419	433	433	455	482	452	355	295	284	283	251
iv)	BI-LATERAL EXPORT BY DVC(Incl. B'desh)	2194	2189	2187	2156	2169	1998	2156	2000	1874	1860	2019	2001
v)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	118	269	374	263	385	613	606	15	-122	71	350	300
4	ODISHA												
i)	NET MAX DEMAND (Incl. CPP drawal)	5650	5700	5720	5750	5800	5800	5700	5550	5300	5100	5500	5900
ii)	NET MAX DEMAND (Own)	4600	4600	4600	4550	4550	4500	4450	4400	3950	4000	4100	4500
iii)	NET POWER AVAILABILITY- OWN+IPP+CPP	3678	3808	3553	3688	4108	4049	3878	3033	2864	3190	3235	3411
iv)	- Central Sector	1948	1996	1996	1981	1986	1984	1994	1771	1823	1792	1642	1493
v)	SURPLUS(+)/DEFICIT(-) (Incl. CPP Drawal)	-24	104	-171	-81	294	233	172	-747	-613	-118	-623	-996
vi)	SURPLUS(+)/DEFICIT(-)	1026	1204	949	1119	1544	1533	1422	403	737	982	777	404
5	WEST BENGAL												
5.1	WBSEDCL												
i)	NET MAX DEMAND (OWN)	7515	7575	7645	7675	7560	7590	7110	5660	5170	5555	5545	7835
ii)	TOTAL WBSEDCL'S DEMAND (incl. Sikkim)	7520	7580	7650	7685	7570	7600	7115	5665	5175	5560	5550	7840
iii)	NET POWER AVAILABILITY- Own Source	4885	4910	4711	4592	4542	4722	4431	3910	4128	4261	4256	4880
iv)	Contribution from DPL	450	450	450	450	371	450	450	450	246	358	450	450
v)	- Central Sector+Bi-lateral+IPP+CPP+TLDP	2618	2594	2628	2619	2635	2615	2620	2108	2020	1893	2122	2108
vi)	EXPORT (SIKKIM)	5	5	5	10	10	10	5	5	5	5	5	5
vii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	432	373	138	-24	-22	186	387	803	1219	952	1278	-403
5.2	CESC												
i)	NET MAX DEMAND	2080	2260	2330	2120	1980	1930	1890	1750	1430	1350	1550	1870
ii)	NET POWER AVAILABILITY - OWN SOURCE	830	830	830	830	830	830	830	460	460	700	700	700
iii)	IMPORT FROM HALDIA ENERGY LTD.	540	540	540	540	540	540	540	540	540	270	540	540
iv)	TOTAL AVAILABILITY	1370	1370	1370	1370	1370	1370	1370	1000	1000	970	1240	1240
v)	SURPLUS(+)/DEFICIT(-)	-710	-890	-960	-750	-610	-560	-520	-750	-430	-380	-310	-630
vi)	DEFICIT FOR IMPORT (IEX)	710	890	960	750	610	560	520	750	430	380	310	630
6	WEST BENGAL (WBSEDCL+CESC) (excluding DVC's supply to WBSEDCL's command area)												
i)	NET MAX DEMAND OWN (Excl. Export)	9595	9835	9975	9795	9540	9520	9000	7410	6600	6905	7095	9705
ii)	NET POWER AVAILABILITY- Own Source	6165	6190	5991	5872	5744	6002	5711	4820	4834	5319	5406	6030
iii)	CS SHARE+BILETARAL+IPP/PP+TLDP+HEL	3158	3134	3168	3159	3175	3155	3160	2648	2560	2163	2662	2648
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EXP.	-273	-512	-817	-764	-622	-364	-128	58	794	577	973	-1028
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP.	-278	-517	-822	-774	-632	-374	-133	53	789	572	968	-1033
7	SIKKIM												
i)	NET MAX DEMAND	109	109	104	99	104	104	114	133	133	132	126	117
ii)	NET POWER AVAILABILITY- Own Source	8	8	8	8	8	8	8	4	2	2	2	2
iii)	- Central Sector	203	205	204	204	204	211	213	191	189	173	178	176
iv)	SURPLUS(+)/DEFICIT(-)	102	104	108	113	108	115	106	62	59	44	54	61
8	EASTERN REGION												
	At 1.02 AS DIVERSITY FACTOR												
i)	NET MAX DEMAND (Incl. CPP Drawal)	25940	26269	26573	26749	26269	26612	25930	22537	21742	21962	22741	26100
ii)	NET MAX DEMAND	24911	25191	25475	25573	25044	25338	24705	21410	20419	20884	21369	24728
iii)	BI-LATERAL EXPORT BY DVC	2194	2189	2187	2156	2169	1998	2156	2000	1874	1860	2019	2001
iv)	EXPORT BY WBSEDCL TO SIKKIM	5	5	5	10	10	10	5	5	5	5	5	5
v)	EXPORT to B'DESH & NEPAL OTHER THAN DVC	642	642	642	642	642	642	642	642	642	642	642	642
vi)	NET TOTAL POWER AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BI-LATERAL+CPP+HEL)	29383	29749	29366	28986	29575	30759	30297	25909	25278	26341	27738	28517
vii)	PEAK SURPLUS(+)/DEFICIT(-) OF ER (Incl. CPP Drawal)	1244	1286	601	71	1126	2139	2205	1367	1657	2514	2973	410
viii)	PEAK SURPLUS(+)/DEFICIT(-) OF ER	2273	2364	1699	1247	2352	3414	3431	2494	2981	3592	4346	1783

**ABSTRACT OF STATEWISE/SYSTEMWISE/CONSTITUENTWISE OFF PEAK DEMAND- vs- AVAILABILITY
IN EASTERN REGION FOR THE PERIOD FROM APRIL-2022 TO MARCH-2023**

(ALL FIGURES IN MW & NET)

SL.NO	PARTICULARS	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
1	BIHAR												
i)	NET OFF PEAK DEMAND	4160	4685	5045	4700	5300	5200	4910	3475	3600	3800	3600	4000
ii)	NET POWER AVAILABILITY	539	553	555	554	554	554	552	554	606	607	607	606
iii)	Central Sector+Bi-Lateral	6306	6363	6289	6222	6300	6850	6874	5884	5682	6100	6539	6495
iv)	SURPLUS(+)/DEFICIT(-)	2684	2231	1799	2076	1553	2204	2516	2963	2688	2907	3546	3101
2	JHARKHAND												
i)	NET OFF PEAK DEMAND	1335	1350	1320	1275	1253	1328	1335	1335	1365	1373	1388	1395
ii)	NET POWER AVAILABILITY- Own Source	333	462	462	295	328	406	462	462	462	462	462	462
iii)	Central Sector+Bi-Lateral+CPP	1189	1199	1192	1193	1203	1243	1248	1081	1027	1012	1083	1050
iv)	SURPLUS(+)/DEFICIT(-)	187	311	334	213	278	322	375	208	125	102	158	118
3	DVC												
i)	NET OFF PEAK DEMAND	2520	2435	2450	2420	2425	2455	2465	2450	2470	2520	2555	2580
ii)	NET POWER AVAILABILITY- OWN SOURCE	5147	5115	5223	5046	5164	5425	5425	4755	4582	4832	5311	5311
iii)	- Central Sector+MPL	350	419	433	433	455	482	452	355	295	284	283	251
iv)	BI-LATERAL EXPORT BY DVC(Inc. B'desh)	2194	2189	2187	2156	2169	2194	2156	2000	1874	1860	2019	2001
v)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	783	909	1019	903	1025	1258	1256	660	533	736	1020	980
4	ODISHA												
i)	NET OFF PEAK DEMAND	3200	3200	3350	3350	3350	3300	3150	3150	2600	2700	2850	3000
ii)	NET POWER AVAILABILITY- OWN+IPP+CPP	3678	3808	3553	3688	4108	4049	3878	3033	2864	3190	3235	3411
iii)	- Central Sector	1948	1996	1996	1981	1986	1984	1994	1771	1823	1792	1642	1493
iv)	SURPLUS(+)/DEFICIT(-)	2426	2604	2199	2319	2744	2733	2722	1653	2087	2282	2027	1904
5	WEST BENGAL												
5.1	WBSEDCL												
i)	NET OFF PEAK DEMAND (OWN)	5900	5255	5450	4900	5500	5650	5000	3800	3500	3560	4350	5600
ii)	TOTAL WBSEDCL's DEMAND (inc.Sikkim)	5900	5255	5450	4900	5500	5650	5000	3800	3500	3560	4350	5600
iii)	NET POWER AVAILABILITY- Own Source	4885	4910	4711	4592	4542	4722	4431	3910	4128	4261	4256	4880
iv)	Contribution from DPL	450	450	450	450	371	450	450	450	246	358	450	450
v)	- Central Sector+Bi-lateral+IPP&CPP+TLDP	2498	2474	2508	2499	2515	2495	2500	1988	1900	1773	2002	1988
vi)	EXPORT (SIKKIM)	5	5	5	10	10	10	5	5	5	5	5	5
vii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	1927	2573	2214	2631	1918	2006	2377	2543	2769	2827	2353	1712
5.2	CESC												
i)	NET OFF PEAK DEMAND	965	985	1030	1020	1015	1000	955	610	545	540	550	915
ii)	NET POWER AVAILABILITY - OWN SOURCE	830	830	830	830	830	830	830	460	460	700	700	700
iii)	IMPORT FROM HALDIA ENERGY LTD.	540	540	540	540	540	540	540	540	540	270	540	540
iv)	TOTAL AVAILABILITY	1370	1370	1370	1370	1370	1370	1370	1000	1000	970	1240	1240
v)	SURPLUS(+)/DEFICIT(-)	405	2740	2740	2740	2740	2740	2740	2000	2000	1940	2480	2480
6	WEST BENGAL (WBSEDCL+CESC) (excluding DVC's supply to WBSEDCL's command area)												
i)	NET OFF DEMAND OWN (Excl. Export)	6865	6240	6480	5920	6515	6650	5955	4410	4045	4100	4900	6515
ii)	NET POWER AVAILABILITY- Own Source	6165	6190	5991	5872	5744	6002	5711	4820	4834	5319	5406	6030
iii)	CS SHARE+BILATERAL+IPP/PP+TLDP+HEL	3038	3014	3048	3039	3055	3035	3040	2528	2440	2043	2542	2528
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EX	2337	2963	2559	2991	2283	2386	2797	2938	3229	3262	3048	2042
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP	2332	2958	2554	2981	2273	2376	2792	2933	3224	3257	3043	2037
7	SIKKIM												
i)	NET OFF PEAK DEMAND	79	79	75	71	75	75	82	95	95	95	91	84
ii)	NET POWER AVAILABILITY- Own Source	8	8	8	8	8	8	8	4	2	2	2	2
iii)	- Central Sector	203	205	204	204	204	211	213	191	189	173	178	176
iv)	SURPLUS(+)/DEFICIT(-)	132	134	137	140	137	144	138	99	96	81	89	93
8	EASTERN REGION At 1.02 AS DIVERSITY FACTOR												
i)	NET MAX DEMAND	18159	17989	18720	17736	18917	19007	17897	14915	14175	14587	15384	17574
ii)	BI-LATERAL EXPORT BY DVC	2194	2189	2187	2156	2169	2194	2156	2000	1874	1860	2019	2001
iii)	EXPORT BY WBSEDCL	5	5	5	10	10	10	5	5	5	5	5	5
iv)	EXPORT TO B'DESH & NEPAL OTHER THAN DVC	642	642	642	642	642	642	642	642	642	642	642	642
v)	NET TOTAL POWER AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BILATERAL+CPP+HEL)	28903	29330	28954	28535	29107	30249	29858	25438	24807	25816	27290	27814
vi)	PEAK SURPLUS(+)/DEFICIT(-) OF ER AFTER EXPORT (v = iv - i - ii - iii)	8545	9147	8042	8633	8011	9038	9799	8518	8753	9363	9883	8233

**ABSTRACT OF STATEWISE/SYSTEMWISE/CONSTITUENTWISE ENERGY REQUIREMENT- vs- AVAILABILITY
IN EASTERN REGION FOR THE PERIOD FROM APRIL-2022 TO MARCH-2023**

(ALL FIGURES IN MU & NET)

SL.NO	PARTICULARS	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	TOTAL 2021-22
1	BIHAR													
i)	NET ENERGY REQUIREMENT	3466	3586	3623	4008	3888	3717	3164	2345	2636	2930	2583	3098	39041
ii)	NET ENERGY AVAILABILITY- Own	321	308	300	309	308	299	307	299	346	346	319	346	3809
iii)	Central Sector+Bi-Lateral	3637	3843	3872	4147	4507	4383	4327	3484	3546	3832	3674	4139	47389
iv)	SURPLUS(+)/DEFICIT(-)	492	564	549	448	927	965	1470	1439	1256	1248	1410	1387	12156
2	JHARKHAND													
i)	NET ENERGY REQUIREMENT	990	990	955	1000	1020	950	975	900	950	1000	900	1050	11680
ii)	NET ENERGY AVAILABILITY- Own Source	205	243	242	148	177	234	263	244	245	237	213	218	2668
iii)	Central Sector+Bi-Lateral+IPP	640	713	735	822	848	817	782	595	590	593	566	616	8318
iv)	SURPLUS(+)/DEFICIT(-)	-144	-34	22	-30	5	100	70	-60	-116	-170	-121	-216	-694
3	DVC													
i)	NET ENERGY REQUIREMENT (OWN)	2030	2110	2010	2045	1970	1880	1940	1935	2020	2090	1830	2100	23959
ii)	NET ENERGY AVAILABILITY- OWN SOURCE	3253	3343	3310	3040	3155	3193	3382	2890	2869	3056	3093	3383	37966
iii)	Central Sector+MPL	192	275	293	331	346	357	318	207	171	169	149	149	2957
iv)	BI-LATERAL EXPORT BY DVC(Incl. B'desh)	1580	1629	1575	1604	1614	1580	1604	1440	1394	1384	1356	1489	18248
v)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	-165	-121	17	-278	-82	90	155	-278	-374	-248	55	-57	-1284
4	ODISHA													
i)	NET ENERGY REQUIREMENT(Incl. Vedanta Drawal)	3200	3300	3200	3450	3500	3300	3350	3100	3115	3150	2935	3400	39000
ii)	NET ENERGY REQUIREMENT Own	2880	3021	2844	2902	2902	2736	2716	2628	2418	2418	2285	2753	32503
iii)	NET ENERGY AVAILABILITY- OWN+IPP+CPP	2136	2106	2147	2335	2517	2530	2516	1821	1733	2064	1852	2082	25841
iv)	Central Sector	1231	1334	1275	1373	1390	1314	1361	1104	1187	1207	957	989	14722
v)	SURPLUS(+)/DEFICIT(-) (Incl. Vedanta drawal)	166	141	221	259	407	544	528	-174	-195	121	-126	-329	1563
vi)	SURPLUS(+)/DEFICIT(-)	486	420	577	807	1005	1108	1162	298	502	853	524	318	8060
5	WEST BENGAL													
5.1	WBSEDCL													
i)	WBSEDCL'S OWN REQUIREMENT	4650	4560	4645	4600	4620	4400	4275	2830	2850	3060	2950	4080	47520
ii)	TOTAL WBSEDCL's Energy Requirement (inc.Sikkim)	4654	4564	4652	4607	4627	4407	4282	2837	2857	3064	2953	4084	47588
iii)	NET ENERGY AVAILABILITY- OWN SOURCE	2818	2951	2709	2724	2698	2795	2772	2347	2613	2448	2501	2863	32240
iv)	Contribution from DPL	334	345	334	345	288	334	345	334	176	268	312	345	3760
v)	Central Sector+Bi-lateral+IPP+CPP+TLDP	1233	1462	1612	1910	1905	1811	1704	1220	1210	1086	1036	1196	17387
vi)	EXPORT (SIKKIM)	4	4	7	7	7	7	7	7	7	4	3	4	68
vii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	-269	194	3	372	265	534	539	1064	1142	739	897	320	5799
5.2	CESC													
i)	NET ENERGY REQUIREMENT	1035	1110	1080	1050	1030	1035	970	760	680	670	640	940	11000
ii)	NET ENERGY AVAILABILITY - Own Source	505	523	507	515	511	503	500	280	293	429	380	484	5430
iii)	FROM HEL	371	383	373	379	374	361	352	366	319	167	226	358	4029
iv)	TOTAL AVAILABILITY OF CESC	876	906	880	894	885	864	852	646	612	596	606	842	9459
v)	SURPLUS(+)/DEFICIT(-)	-159	-204	-200	-156	-145	-171	-118	-114	-68	-74	-34	-98	-1541
vi)	DEFICIT FOR IMPORT (IEX)	159	204	200	156	145	171	118	114	68	74	34	98	1541
6	WEST BENGAL (WBSEDCL+CESC) (excluding DVC's supply to WBSEDCL's command area)													
i)	NET ENERGY REQUIREMENT	5685	5670	5725	5650	5650	5435	5245	3590	3530	3730	3590	5020	58520
ii)	NET POWER AVAILABILITY- Own Source	3657	3819	3550	3584	3497	3632	3617	2961	3081	3146	3194	3692	41430
iii)	CS SHARE+BILATERAL+IPP/PPP+TLDP+HEL	1604	1845	1985	2289	2279	2172	2056	1586	1529	1253	1262	1554	21416
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EXP.	-424	-6	-190	223	127	370	428	957	1081	669	866	226	4326
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP.	-428	-10	-197	216	120	363	421	950	1074	665	863	222	5799
7	SIKKIM													
i)	NET ENERGY REQUIREMENT	52	48	48	49	47	47	51	64	64	65	66	59	661
ii)	NET POWER AVAILABILITY- Own Source	1	1	1	3	3	3	3	1	1	1	1	2	21
iii)	- Central Sector	110	130	136	143	148	142	143	95	92	94	84	96	1413
iv)	SURPLUS(+)/DEFICIT(-)	59	83	89	97	104	98	95	32	29	30	18	39	773
8	EASTERN REGION													
i)	NET ENERGY REQUIREMENT OF ER (Incl. Vedanta Dr)	15423	15704	15560	16202	16074	15329	14725	11934	12315	12964	11904	14726	172861
ii)	NET ENERGY REQUIREMENT OF ER	15103	15425	15204	15654	15476	14765	14091	11462	11618	12232	11254	14079	166364
iii)	BILATERAL EXPORT BY DVC	1580	1629	1575	1604	1614	1580	1604	1440	1394	1384	1356	1489	18248
iv)	EXPORT BY WBSEDCL TO SIKKIM	4	4	7	7	7	7	7	7	7	4	3	4	68
v)	EXPORT to B'DESH & NEPAL OTHER THAN DVC	462	478	462	478	478	462	478	462	478	478	431	431	5578
vi)	NET TOTAL ENERGY AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BILATERAL+IPP/PPP+HEL)	16987	17960	17843	18524	19177	19076	19075	15290	15390	15998	15364	17265	207950
vii)	ENERGY SURPLUS(+)/DEFICIT(-) OF ER (Incl. Vedanta	-20	623	701	711	1481	2161	2739	1909	1674	1646	2100	1046	11194
viii)	ENERGY SURPLUS(+)/DEFICIT(-) OF ER	300	902	1057	1259	2079	2725	3373	2381	2371	2378	2750	1693	17691