

EASTERN REGIONAL POWER COMMITTEE
14 GOLF CLUB ROAD, TOLLYGUNGE, KOLKATA-700 033.

Agenda of Load Generation Balance Report (LGBR) Meeting for the Year 2022-23 to be held on 11.01.2022 at 11:30 Hrs through Microsoft Teams Online platform

Item No. I: Details of Proposed Unit-Wise Maintenance Programme of Thermal Generating Stations in ER (Refer ANNEXURE-I)

Generating unit shutdown proposals from the constituents for the preparation of draft LGBR 2022-23 have been received, which is depicted in the Annexure-I.

On analysis of the proposals, mostly the programme of shutdown has been found to be in order with respect to the ER demand profile. However, ERPC secretariat is in the opinion that since April, May and pre puja days in August/September would be normally higher peak demand period in ER, the following Units may please be considered for postponement, if possible:

SN.	Station / Unit / System	Shutdown requested	Proposed S/D Period
1	IB TPS U#4 (660 MW) OPGC	01.04.22 to 30.04.22 (30days)	December,2022 onwards
2	Santaldih TPS U#6(250 MW) WBPDC	17.08.22 to 20.09.22 (35 days)	01.12.2022 to 04.01.2023
3	Farakka STPS U#3 (200 MW) NTPC	23.09.22 to 27.10.22 (35days)	01.11.2022 to 05.12.2022
4	Barh STPS U#4 (660 MW) NTPC	01.09.22 to 15.10.22 (45days)	1.12.22 to 14.1.23(45days)
5	Raghunathpur TPS U#2 (600 MW) of DVC	01.09.21 to 16.10.22(45days)	December, 2022 onwards

Item No. II: Abstract of System-wise Peak Demand (MW) Vs Availability (MW) for 2022-23. (Refer ANNEXURE-II)

In Peak demand (MW), Jharkhand would likely to face deficit in all the months of the year 2022-23 whereas other constituents remain in surplus considering the export of power (MW) to neighboring countries. Eastern Region as a whole would be in peak surplus position in view of new units which are already commissioned and some which are likely to be commissioned by NTPC in Bihar.

Item No. III: Abstract of System-wise Energy Requirement (MU) Vs Availability (MU) for 2022-23. (Refer ANNEXURE-III)

In Energy requirement (MU), Jharkhand and DVC would likely to face marginal deficit in all the months of the year, however, WBSETCL and Odisha would have energy deficit in some of the months. Eastern Region as a whole would be in surplus position except in the month of April-2022.

Members may please discuss.

Item No. IV: Schedule of Commissioning of new Generating Units in the Constituent Systems

System	Units	Capacity (MW)	Expected date of Test synchronization / commercial operation
NTPC	Barh STPS Stg-I U#2	660	01.08.2022
NPGC	Nabinagar STPS U #3	660	01.03.2022
TOTAL		1320	

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	2	600	01.09.2022	16.10.2022	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	01.04.2022	30.04.2022	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	26.05.2022	14.06.2022	20	AOH/BOH
		5	210	17.01.2023	05.02.2023	20	AOH/BOH
		6	210	14.07.2022	12.08.2022	30	AOH/BOH
	Bakreswar TPS	1	210	10.09.2022	19.09.2022	10	PG Test
		2	210	10.11.2022	19.11.2022	10	PG Test
		3	210	01.11.2022	10.12.2022	40	COH
		4	210	20.08.2022	29.08.2022	10	PG Test
		5	210	18.06.2022	22.07.2022	35	COH
	Bandel TPS	2	60	04.05.2022	23.05.2022	20	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	17.08.2022	20.09.2022	35	COH
	Sagardighi TPS	1	300	20.09.2022	29.09.2022	10	PG Test
		2	300	26.07.2022	14.08.2022	20	AOH/BOH
		3	500	15.12.2022	13.01.2023	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
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	DPSS	7	300	16.08.2022	25.08.2022	10	Boiler License Renewal
		8	250	16.01.2023	25.01.2023	10	Boiler License Renewal
NTPC	FSTPP	2	200	28.01.2023	03.03.2023	35	Boiler+ Bearing Inspection+FGD
		3	200	23.09.2022	27.10.2022	35	Boiler+FGD+MOP&TG Bearing
		5	500	08.05.2022	21.06.2022	45	Damper Installation
		6	500	30.07.2022	08.09.2022	40	Boiler+Turbine+De-Nox+FGD
	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	15.12.2022	28.01.2023	45	Boiler+Generator+Combustion Modification
		6	500	12.08.2022	25.09.2022	45	Boiler+LP+Gen.+ Combustion Modification
	Barh	4	660	01.09.2022	15.10.2022	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	04.08.2022	35	Boiler+DeNOx+Bearing Inspection
BRBCL	Nabinagar TPS	2	250	25.08.2022	03.10.2022	40	Biennial Overhaul; Boiler license Renewal
	Nabinagar TPS	3	250	01.07.2022	14.08.2022	45	Barring Gear Stalling issue, HPT, Boiler, TG overhaul
NPGCL	Nabinagar STPS	1	660	01.02.2023	21.04.2023	80	Boiler Modification+Turbine & Gen. Bearing Maintenance
IPP	GMR	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 (Tentative)	1	600	01.11.2022	10.11.2022	10	Short Maintenance
		2	600	01.12.2021	10.12.2021	10	Short Maintenance
	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**

SL.NO	P A R T I C U L A R S	(ALL FIGURES IN MW & NET)											
		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	6271	6446	6876	6612	6850	6740	4650	5201	5512	5565	5780
ii)	NET POWER AVAILABILITY- Own+KBUNL	645	660	648	646	653	641	648	644	643	651	659	662
	Central Sector+Bi-Lateral	6183	6329	6338	6263	6369	5817	6140	6248	6307	6282	6381	6336
iii)	SURPLUS(+)/DEFICIT(-)	688	718	540	32	409	-392	48	2241	1749	1421	1475	1217
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
	Central Sector+Bi-Lateral+CPP	1128	1176	1175	1173	1183	1138	1164	1077	1070	1072	1072	1040
iii)	SURPLUS(+)/DEFICIT(-)	-319	-161	-122	-232	-159	-226	-154	-240	-288	-296	-315	-358
3	DVC												
i)	NET MAX DEMAND (OWN)	3183	3073	3092	3056	3065	3100	3113	3092	3121	3185	3223	3258
ii)	NET POWER AVAILABILITY- OWN SOURCE	5147	5121	5234	5017	5135	4927	5153	4755	5064	5007	5311	5311
	- Central Sector+MPL	373	417	393	414	458	485	452	348	277	279	286	259
	BI-LATERAL EXPORT BY DVC	2194	2189	2187	2156	2169	1998	2156	2000	1874	1860	2019	2001
iii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	143	275	348	219	359	117	336	11	346	242	355	310
4	ODISHA												
i)	NET MAX DEMAND (Incl. Vedanta 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	3101	3808	3553	3688	4108	4049	3878	3033	3423	3190	3235	3411
	- Central Sector	1896	1992	1996	1981	1986	1984	1994	1836	1886	1912	1680	1540
iv)	SURPLUS(+)/DEFICIT(-) (Incl. Vedanta Drawal)	-653	100	-171	-81	294	233	172	-682	9	2	-585	-949
v)	SURPLUS(+)/DEFICIT(-)	397	1200	949	1119	1544	1533	1422	468	1359	1102	815	451
5	WEST BENGAL												
5.1	WBSEDCL												
i)	NET MAX DEMAND (OWN)	7570	7560	7595	7515	7510	7550	7500	6140	5300	5940	6000	7830
ii)	IPCL DEMAND	130	130	130	130	130	130	130	130	130	130	130	130
iii)	TOTAL WBSEDCL'S DEMAND (incl. +Sikkim+IPCL)	7705	7695	7730	7655	7650	7690	7635	6275	5435	6075	6135	7965
iv)	NET POWER AVAILABILITY- Own Source	5001	4958	4876	4772	4713	4781	4621	4212	4151	4215	4374	4996
	Contribution from DPL	450	450	450	450	371	450	450	450	450	384	450	450
	- Central Sector+Bi-lateral+IPP+CPP+TLDP+IPCL	2642	2729	2772	2764	2715	2692	2765	2403	2327	2299	2321	2298
v)	EXPORT (SIKKIM)	5	5	5	10	10	10	5	5	5	5	5	5
vi)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	388	442	368	331	149	233	201	789	1493	824	1010	-221
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
	IMPORT FROM OTHER SOURCE	710	890	960	750	610	560	520	750	430	380	310	630
	IMPORT FROM HALDIA ENERGY LTD.	540	540	540	540	540	540	540	540	540	270	540	540
iii)	TOTAL AVAILABILITY	2080	2260	2330	2120	1980	1930	1890	1750	1430	1350	1550	1870
iv)	SURPLUS(+)/DEFICIT(-)	0	0	0	0	0	0	0	0	0	0	0	0
6	WEST BENGAL (WBSEDCL+CESC+IPCL) (excluding DVC's supply to WBSEDCL's command area)												
i)	NET MAX DEMAND OWN (Excl. Export)	9780	9950	10055	9765	9620	9610	9520	8020	6860	7420	7680	9830
ii)	NET POWER AVAILABILITY- Own Source	6281	6238	6156	6052	5914	6061	5901	5122	5061	5300	5524	6146
iii)	CS SHARE+BILETARAL+IPP+CPP+TLDP+HEL	3892	4159	4272	4054	3865	3792	3825	3693	3297	2949	3171	3468
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EXP.	393	447	373	341	159	243	206	794	1498	829	1015	-216
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP.	388	442	368	331	149	233	201	789	1493	824	1010	-221
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
	- Central Sector	196	201	201	200	200	192	197	190	193	193	197	193
iii)	SURPLUS(+)/DEFICIT(-)	95	100	105	109	104	96	91	62	62	64	73	78
8	EASTERN REGION												
	At 1.02 AS DIVERSITY FACTOR												
i)	NET MAX DEMAND (Incl. Vedanta Drawal)	25992	26248	26517	26585	26217	26573	26311	22642	21867	22596	23348	26093
ii)	NET MAX DEMAND	25090	25297	25546	25536	25119	25426	25213	21642	20671	21645	22102	24848
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)	29183	30571	30437	29791	30207	29499	29823	27411	27684	27300	27980	28829
vii)	PEAK SURPLUS(+)/DEFICIT(-) OF ER (Incl. Vedanta Drawal)	350	1486	1086	399	1168	276	710	2122	3296	2197	1967	87
viii)	PEAK SURPLUS(+)/DEFICIT(-) OF ER	1252	2437	2056	1448	2266	1423	1808	3122	4492	3148	3212	1332

**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	3532	3654	3692	4084	3962	3788	3224	2389	2686	2985	2632	3157	39785
ii)	NET ENERGY AVAILABILITY- Own	315	303	300	309	307	298	302	298	341	344	312	342	3768
iii)	Central Sector+Bi-Lateral	3838	4110	4133	4403	4904	4471	4563	4350	4629	4512	3876	4339	52128
iv)	SURPLUS(+)/DEFICIT(-)	621	758	741	627	1249	981	1641	2258	2284	1870	1556	1524	16111
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	655	712	715	784	870	814	790	655	672	666	574	622	8530
iv)	SURPLUS(+)/DEFICIT(-)	-130	-35	2	-68	28	97	77	-1	-33	-97	-113	-210	-482
3	DVC													
i)	NET ENERGY REQUIREMENT (OWN)	2030	2111	2010	2045	1970	1879	1939	1934	2020	2086	1828	2101	23952
ii)	NET ENERGY AVAILABILITY- OWN SOURCE	3253	3343	3310	3040	3155	2876	3228	2890	3190	3207	3093	3383	37967
iii)	Central Sector+MPL	210	275	265	319	350	360	320	204	162	161	141	138	2904
iv)	Bi-lateral export by DVC	1580	1629	1575	1604	1614	1580	1604	1440	1394	1384	1356	1489	18248
v)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	-147	-122	-10	-291	-78	-222	5	-280	-62	-102	49	-69	-1330
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	1715	2106	2147	2335	2517	2530	2516	1821	2153	2064	1852	2082	25841
	Central Sector	1259	1329	1253	1346	1428	1351	1395	1190	1269	1290	979	1006	15093
iv)	SURPLUS(+)/DEFICIT(-) (Incl. Vedanta drawal)	-226	136	199	231	445	581	561	-89	307	204	-104	-312	1934
v)	SURPLUS(+)/DEFICIT(-)	94	415	555	779	1043	1145	1195	383	1004	936	546	335	8431
5	WEST BENGAL													
5.1	WBSEDCL													
i)	WBSEDCL'S OWN REQUIREMENT	4650	4560	4640	4595	4620	4400	4275	2800	2850	3060	2950	4080	47480
ii)	SUPPLY TO IPCL	55	63	67	67	62	72	84	81	84	74	78	84	870
iii)	TOTAL WBSEDCL'S Energy Requirement (incl.B'Desh+Si)	4709	4627	4714	4669	4689	4479	4366	2888	2941	3138	3031	4168	48418
iv)	NET ENERGY AVAILABILITY- OWN SOURCE	2818	2901	2736	2757	2726	2687	2989	2456	2484	2550	2501	2863	32470
v)	Contribution from DPL	328	339	328	339	284	328	339	328	339	284	306	339	3877
vi)	Central Sector+Bi-lateral+IPP+CPP+TLDP	1266	1420	1512	1774	1917	1811	1619	1235	1203	1147	996	1125	17026
vii)	EXPORT (SIKKIM)	4	4	7	7	7	7	7	7	7	4	3	4	68
viii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	-297	33	-138	201	238	347	581	1131	1085	843	773	159	4954
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 OTHER SOURCE (INCL. IPP/CPP-29-30 MU/M)	159	204	200	156	145	171	118	114	68	74	34	98	1541
iv)	FROM HEL	371	383	373	379	374	361	352	366	319	167	226	358	4029
v)	TOTAL AVAILABILITY OF CESC	1035	1110	1080	1050	1030	1035	970	760	680	670	640	940	11000
vi)	SURPLUS(+)/DEFICIT(-)	0	0	0	0	0	0	0	0	0	0	0	0	0
6	WEST BENGAL (WBSEDCL+CESC) (excluding DVC's supply to WBSEDCL's command area)													
i)	NET ENERGY REQUIREMENT	5740	5733	5787	5712	5712	5507	5329	3641	3614	3804	3668	5104	59350
ii)	NET POWER AVAILABILITY- Own Source	3651	3763	3571	3610	3521	3517	3828	3064	3115	3263	3187	3686	41776
iii)	CS SHARE+BILATERAL+IPP/CPP+TLDP+HEL	1796	2007	2085	2309	2436	2343	2089	1715	1590	1388	1256	1581	22596
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EXP.	-293	37	-131	208	245	354	588	1138	1092	847	776	163	5022
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP.	-297	33	-138	201	238	347	581	1131	1085	843	773	159	4954
7	SIKKIM													
i)	NET ENERGY REQUIREMENT	54	48	48	51	47	47	53	65	65	66	68	61	672
ii)	NET POWER AVAILABILITY- Own Source	1	1	1	3	3	3	3	1	1	1	1	2	21
	- Central Sector	112	129	135	144	151	141	144	106	103	101	85	97	1447
iii)	SURPLUS(+)/DEFICIT(-)	59	82	87	96	107	97	94	42	39	36	18	38	797
8	EASTERN REGION													
i)	NET ENERGY REQUIREMENT OF ER (Incl. Vedanta Dr)	15546	15837	15692	16342	16211	15471	14870	12029	12449	13090	12031	14872	174438
ii)	NET ENERGY REQUIREMENT OF ER	15226	15558	15336	15794	15613	14907	14236	11557	11752	12358	11381	14225	167941
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	505	605	545	787	546	548	419	197	142	187	265	310	5055
vi)	NET TOTAL ENERGY AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BILATERAL+IPP/CPP+HEL)	17011	18322	18156	18749	19820	18938	19439	16538	17469	17232	15569	17495	214739
vii)	ENERGY SURPLUS(+)/DEFICIT(-) OF ER (Incl. Vedanta	-623	247	337	9	1442	1333	2539	2865	3478	2567	1915	820	16929
viii)	ENERGY SURPLUS(+)/DEFICIT(-) OF ER	-303	526	693	557	2040	1897	3173	3337	4175	3299	2565	1467	23426