

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

**AGENDA OF LOAD GENERATION BALANCE REPORT (LGBR) FOR THE**  
**YEAR, 2020-2021 TO BE HELD ON 06.12.2019 AT 11:00 HRS AT ERPC.**

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**ITEM NO. I                    DETAILS OF PROPOSED UNITWISE MAINTENANCE PROGRAMME OF**  
**THERMAL GENERATING STATIONS IN ER (Refer- ANNEXURE-I)**

Generating units shut down proposals from the constituents for the preparation of draft LGBR 2020-21 have been received, which is depicted in the Annexure – I

On analysis of the proposals, the programmes of shut down are generally 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 September / October would be normally higher peak demand period in ER, the following Units may please be considered for postponement, if possible :

Sl.No.	Station / Unit / System	Shut Down requested	Proposed S/D Period
1	Sagardighi U#3 (500 MW) of WBPDC	16.04.20 to 20.05.20 (35days)	to mid of October,2020 onwards
2	Talcher STPS U#2 (500 MW) of NTPC	26.09.20 to 09.11.20 (45days)	1.11.2020 to 15.12.2020 (45days)
3	MejiaTPS U#5 (250 MW) of DVC	25.09.2020 to 20.10.2020 (26days)	26.10.2020 for 26 days

**ITEM NO. II            ABSTRACT OF SYSTEMWISE PEAK DEMAND (MW) Vs.**  
**AVAILABILITY (MW) FOR 2020-2021 (Refer- ANNEXURE-II )**

Except for the state of Bihar and Jharkhand, the peak demand (MW) over the months of the year 2020-21 of other constituents are remained in surplus considering the export of power (MW) to neighboring countries. From May'2020 onwards, ER would be in peak surplus position in view of a number of new units likely to commissioned by NTPC in Bihar.

**Bihar and Jharkhand members are requested to review the peak demand (MW) particularly for the months of November & December, 2020 onwards.**

**ITEM NO. III    ABSTRACT OF SYSTEMWISE ENERGY REQUIREMENT (MU) Vs.**  
**AVAILABILITY (MU) FOR 2020-2021. ( Refer- ANNEXURE-III)**

ER would be in surplus scenario with respect to Energy Requirement(MU) against availability (MU) except for a few months i.e. quarter I (April-June)

**Member 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
<b>BIHAR</b>	<b>Baruni TPS    UNIT#8</b>	<b>250</b>	<b>19.11.2019</b>
	<b>Baruni TPS    UNIT#9</b>	<b>250</b>	<b>AUG-20</b>
<b>NTPC</b>	<b>Nabinagar STPS    UNIT #2</b>	<b>660</b>	<b>COD 1.11.20</b>
	<b>Nabinagar STPS    UNIT #3</b>	<b>660</b>	<b>COD 1.03.21</b>
	<b>Darlipali    STPS    UNIT#1</b>	<b>800</b>	<b>COD DEC-19</b>
	<b>Darlipali    STPS    UNIT#2</b>	<b>800</b>	<b>COD JULY-20</b>
<b>BRBCL</b>	<b>Nabinagar TPS    UNIT #4</b>	<b>250</b>	<b>COD 30.11.20</b>
<b>TOTAL</b>		<b>3670 MW</b>	

## ERPC:KOLKATA

## Proposed Maintenance Schedule of Thermal Generating Units of ER during 2020-21

System	Station	Unit	Capacity (MW)	Period		No. of Days	Reason	
				From	To			
BSPHCL	MTPS STG-I	1	110	10.06.20	05.07.20	26	Annual Overhauling	
	Barauni TPS Stg-I	7	110	23.11.20	17.12.20	25	Boiler Overhauling	
TVNL	Tenughat TPS	1	210	20.01.21	24.02.21	36	Annual Overhauling	
		2	210	10.03.21	31.03.21	22	Annual Overhauling	
DVC	Koderma TPS	1	500	01.04.20	11.05.20	41	COH(Blr,FGD&DeNOX Burner, Turb,Gen)	
	Mezia TPS	2	210	03.04.20	13.05.20	41	COH(Blr-RLA&Turb-RLA,Gen)	
	BTPS-A	1	500	20.05.20	24.06.20	35	BOH,FGD& De-Nox Burner	
	Mezia TPS	4	210	17.06.20	27.07.20	41	COH(Blr&Turb-RLA,Gen)	
	Mezia TPS	8	500	01.07.20	05.08.20	36	BOH,FGD& De-Nox Burner	
	DSTPS	2	500	12.08.20	21.09.20	40	COH(Blr,FGD&DeNOX Burner, Turb,Gen)	
	Mezia TPS	5	250	25.09.20	20.10.20	26	BOH& Gen.	
	CTPS	8	250	28.11.20	07.01.21	41	COH(Blr, Turb,Gen)	
	RTPS	1	600	14.01.21	18.02.21	36	AOH,Blr,FGD,De-Nox Burner,LPT,Gen.	
	Mezia TPS	6	250	25.02.21	19.03.21	23	BOH	
ODISHA	TTPS	1	60	30.05.20	16.06.20	18	AOH	
		1	60	12.07.20	13.07.20	2	Short Maintenance	
		2	60	14.06.20	13.07.20	30	AOH	
		3	60	21.08.20	07.09.20	18	AOH	
		4	60	13.09.20	22.10.20	40	AOH	
		5	110	07.11.20	01.12.20	25	AOH	
	IB TPS	6	110	05.01.21	29.01.21	25	AOH	
		1	210	10.11.20	30.11.20	21	AOH	
		2	210	07.07.20	31.07.19	25	AOH	
		3	660				NO MAINTENANCE	
		4	660			NO MAINTENANCE		
WBPDCCL	Kolaghat TPS	1	210	07.06.18	30.06.20	91	R&M in PROGRESS	
		2	210	10.05.20	19.05.20	10	Boiler License renewal	
		3	210	02.01.21	15.02.21	45	AOH/Boiler Overhauling	
		4	210	01.02.21	10.02.21	10	Boiler License renewal	
		5	210	17.02.21	16.03.21	28	AOH/Boiler Overhauling	
		6	210	22.08.20	31.08.20	10	Boiler License renewal	
	Bakreswar TPS	2	210	20.07.20	28.08.20	40	Capital Overhauling	
		3	210	25.11.20	22.12.20	28	AOH/Boiler Overhauling	
		4	210	01.07.20	10.07.20	10	Boiler License renewal	
	Bandel TPS	5	210	11.06.20	20.06.20	10	Boiler License renewal	
		5	215	01.11.20	15.12.20	45	AOH/Boiler Overhauling	
	Santalalih TPS	5	250	01.12.20	10.12.20	10	Boiler License renewal	
		6	250	01.09.20	28.09.20	28	Capital Overhauling	
	Sagarighi TPS	1	300	22.08.20	31.08.20	10	Boiler License renewal	
		2	300	06.08.20	30.08.20	25	AOH/Boiler Overhauling	
		3	500	16.04.20	20.05.20	35	Capital Overhauling	
		4	500	01.11.20	10.11.20	10	Boiler License renewal	
	CESC	BUDGE-BUDGE	1	250	17.11.20	06.12.20	20	Not Specified
			2	250	08.12.20	14.12.20	7	Not Specified
3			250	16.12.20	04.01.21	20	Not Specified	
TITAGARH		1	60	02.01.21	16.01.21	15	Not Specified	
		2	60	18.01.21	21.01.21	4	Not Specified	
		3	60	11.12.20	14.12.20	4	Not Specified	
		4	60	16.12.20	30.12.20	15	Not Specified	
SOUTHERN		1	67.5	06.08.20	09.08.20	4	Not Specified	
		2	67.5	15.08.20	03.09.20	20	Not Specified	
HEL	HALDIA	1	300			NO MAINTENANCE		
		2	300	06.01.21	19.02.21	45	Not Specified	
DPL	DPPS	7	300	01.01.21	10.01.21	10	Tit bit maintenance	
		8	250	01.12.20	10.12.20	10	Tit bit maintenance	
NTPC	FSTPP	2	200	01.04.20	15.05.20	45	Boiler +DDCMIS R&M+HP+IP+Critical piping	
		4	500	23.11.20	22.12.20	30	Boiler	
	KhSTPS	1	210	26.11.20	30.12.20	35	Boiler+Turbine+R&M	
		3	210	01.06.20	30.06.20	30	Boiler+ R&M	
		5	500	01.04.20	05.05.20	35	Boiler +HPT+IPT	
		6	500	01.09.20	05.10.20	35	Boiler +HPT+IPT	
	Barh	5	660	21.03.20	04.04.20	15	Boiler Approved Schedule	
		5	660	15.02.21	05.05.21	80	Boiler Modification	
	TSTPS	2	500	01.11.20	15.12.20	45	COH	
		5	500	05.06.20	04.07.20	30	BOILER+GEN	
6		500	25.07.20	07.09.20	45	GEN+NOX+FGD		
KBUNL	3	195	15.02.21	12.03.21	26	AOH		
	4	195	09.03.20	13.04.20	35	AOH		
BRBCL	Nabinagar TPS	3	250	01.04.20	10.05.20	40	Abnormal sound from Generator,Boiler License renewal,LP Turbine inspection,Rotor threading	
		2	250	25.05.20	29.06.20	36	Boiler License renewal,LP Turbine inspection,Rotor threading,Generator inspection	
NPGCL	Nabinagar TPP					No Maintenance		
	GMR	2	350	06.01.21	04.02.21	30	Turbine Overhauling	
		3	350	09.02.21	10.03.21	30	Turbine Overhauling	
	JITPL	1	600				AOH	
		2	600				No planned maintenance	
	MPL	1	525	01.11.20	15.12.20	45	COH	
	APNRL	1	270	01.07.20	14.08.20	45	COH	
		2	270				No planned maintenance	

**ABSTRACT OF STATEWISE/SYSTEMWISE/CONSTITUENTWISE PEAK DEMAND- vs- AVAILABILITY  
IN EASTERN REGION FOR THE PERIOD FROM APRIL-2020 TO MARCH-2021**

		(ALL FIGURES IN MW & NET)											
SL.NO	PARTICULARS	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1	<b>BIHAR</b>												
i)	NET MAX DEMAND	5645	5980	6200	6085	6500	6600	5745	4900	4850	5350	5100	5400
ii)	NET POWER AVAILABILITY- Own+KBUNL	563	515	487	532	543	545	443	437	477	497	503	491
	Central Sector+Bi-Lateral	3604	4177	4158	4325	4399	4442	4518	4680	4576	4845	4664	5062
iii)	SURPLUS(+)/DEFICIT(-)	-1479	-1288	-1554	-1229	-1558	-1614	-784	217	204	-8	66	153
2	<b>JHARKHAND</b>												
i)	NET MAX DEMAND	1450	1455	1450	1400	1420	1450	1425	1430	1450	1450	1400	1400
ii)	NET POWER AVAILABILITY- Own Source	296	341	341	386	386	386	386	341	341	283	214	236
	Central Sector+Bi-Lateral+CPP	874	918	947	950	1008	1004	1007	958	916	973	982	993
iii)	SURPLUS(+)/DEFICIT(-)	-280	-196	-162	-64	-26	-60	-32	-131	-193	-194	-204	-172
3	<b>DVC</b>												
i)	NET MAX DEMAND (OWN)	3050	3065	3130	3130	2980	2970	2945	2980	3000	3150	3080	3100
ii)	NET POWER AVAILABILITY- OWN SOURCE	4930	5116	5086	5026	5244	5247	5434	5455	5280	5158	5145	5355
	- Central Sector+MPL	407	480	457	529	529	529	529	519	494	487	509	511
	BI-LATERAL EXPORT BY DVC	2053	2069	1934	1821	1673	1587	1498	1650	1632	2103	2268	2271
iii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	234	462	479	603	1120	1219	1519	1344	1141	392	305	495
4	<b>ODISHA</b>												
i)	NET MAX DEMAND	5200	5180	4975	4760	5130	5100	5410	4700	5025	5000	5030	5290
ii)	NET POWER AVAILABILITY- OWN+IPP+CPP	3768	3714	3746	3529	4110	4032	3742	3522	3600	3472	3385	3668
	- Central Sector	1646	1739	1690	1743	2127	2077	2125	1930	1887	2033	2040	2008
iii)	SURPLUS(+)/DEFICIT(-)	214	273	461	512	1107	1008	457	752	461	505	395	386
5	<b>WEST BENGAL</b>												
5.1	<b>WBSIEDCL</b>												
i)	NET MAX DEMAND (OWN)	7190	7140	7315	7276	7235	7335	7375	6065	6085	6015	6460	7825
ii)	IPCL DEMAND	85	86	84	83	83	83	83	81	79	79	82	84
iii)	TOTAL WBSIEDCL'S DEMAND (incl.B'Desh+Sikkim+IPCL)	7480	7431	7609	7569	7528	7628	7668	6356	6374	6099	6547	7914
iv)	NET POWER AVAILABILITY- Own Source	4352	4364	4353	4236	4241	4345	4719	4316	4221	4753	4583	4686
	Contribution from DPL	465	465	465	465	465	465	465	465	407	396	465	465
	- Central Sector+Bi-lateral+IPP+CPP+TLDP+IPCL	2688	2728	2859	2878	2987	2846	2964	2563	2392	2530	2664	2768
v)	EXPORT (TO B'DESH & SIKKIM)	205	205	210	210	210	210	210	210	210	5	5	5
vi)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	25	126	68	10	165	29	480	988	646	1580	1165	5
5.2	<b>CESC</b>												
i)	NET MAX DEMAND	2150	2350	2370	2160	2000	2050	2000	1850	1450	1360	1600	1820
ii)	NET POWER AVAILABILITY - OWN SOURCE	750	750	750	750	750	750	750	750	500	750	750	750
	IMPORT FROM OTHER SOURCE	860	1060	1080	870	710	760	710	560	410	340	310	530
	IMPORT FROM HALDIA ENERGY LTD.	540	540	540	540	540	540	540	540	540	270	540	540
iii)	TOTAL AVAILABILITY	2150	2350	2370	2160	2000	2050	2000	1850	1450	1360	1600	1820
iv)	SURPLUS(+)/DEFICIT(-)	0	0	0	0	0	0	0	0	0	0	0	0
6	<b>WEST BENGAL (WBSIEDCL+DPL+CESC+IPCL)</b> (excluding DVC's supply to WBSIEDCL's command area)												
i)	NET MAX DEMAND OWN (Excl. Export)	9425	9576	9769	9519	9318	9468	9458	7996	7614	7454	8142	9729
ii)	NET POWER AVAILABILITY- Own Source	5567	5579	5568	5451	5456	5560	5934	5531	5128	5899	5798	5901
iii)	CS SHARE+BILATERAL+IPP/PPP+TLDP+HEL	4088	4328	4479	4288	4237	4146	4214	3663	3342	3140	3514	3838
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSIEDCL'S EXP.	230	331	278	220	375	239	690	1198	856	1585	1170	10
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSIEDCL'S EXP.	25	126	68	10	165	29	480	988	646	1580	1165	5
7	<b>SIKKIM</b>												
i)	NET MAX DEMAND	105	105	100	95	100	100	110	128	128	127	122	113
ii)	NET POWER AVAILABILITY- Own Source	8	8	8	8	8	8	8	4	2	2	2	2
	- Central Sector	166	173	172	175	186	185	186	176	149	162	183	186
iii)	SURPLUS(+)/DEFICIT(-)	70	77	80	88	94	93	83	52	23	37	63	75
8	<b>EASTERN REGION</b>												
	At 1.02 AS DIVERSITY FACTOR												
i)	NET MAX DEMAND	24386	24863	25122	24499	24949	25184	24602	21699	21634	22089	22426	24541
ii)	BI-LATERAL EXPORT BY DVC	2053	2069	1934	1821	1673	1587	1498	1650	1632	2103	2268	2271
iii)	EXPORT BY WBSIEDCL	205	126	68	10	165	29	480	988	646	1580	1165	5
iv)	NET TOTAL POWER AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BILATERAL+CPP+HEL)	25917	27088	27140	26941	28232	28160	28526	27216	26191	26951	26938	28249
v)	PEAK SURPLUS(+)/DEFICIT(-) OF ER AFTER EXPORT (v = iv - i - ii - iii)	-727	30	16	611	1446	1360	1946	2878	2279	1178	1079	1433

**ABSTRACT OF STATEWISE/SYSTEMWISE/CONSTITUENTWISE ENERGY REQUIREMENT- vs- AVAILABILITY  
IN EASTERN REGION FOR THE PERIOD FROM APRIL-2020 TO MARCH-2021**

(ALL FIGURES IN MU &amp; NET)

SL.NO	PARTICULARS	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL 2020-21
1	<b>BIHAR</b>													
i)	NET ENERGY REQUIREMENT	2750	3290	3260	3065	3550	3225	2875	2560	2570	2710	2295	2710	34859
ii)	NET ENERGY AVAILABILITY- Own	237	210	188	222	220	250	272	263	299	314	276	302	3053
iii)	Central Sector+Bi-Lateral	2147	2364	2386	2718	2754	2637	2533	2413	2399	2608	2149	2495	29602
iv)	SURPLUS(+)/DEFICIT(-)	-366	-716	-687	-125	-576	-337	-70	116	129	212	130	87	-2204
2	<b>JHARKHAND</b>													
i)	NET ENERGY REQUIREMENT	850	860	860	870	850	840	850	830	840	850	800	860	10159
ii)	NET ENERGY AVAILABILITY- Own Source	198	208	205	232	243	219	233	213	217	150	126	134	2377
iii)	Central Sector+Bi-Lateral+IPP	507	561	579	654	697	669	635	539	521	562	488	545	6956
iv)	SURPLUS(+)/DEFICIT(-)	-144	-92	-76	15	91	48	18	-78	-102	-138	-186	-181	-826
3	<b>DVC</b>													
i)	NET ENERGY REQUIREMENT (OWN)	2010	2090	1990	2025	1950	1860	1920	1915	2000	2065	1810	2080	23715
ii)	NET ENERGY AVAILABILITY- OWN SOURCE	3128	3334	3202	3235	3399	3279	3503	3427	3416	3357	3019	3484	39783
iii)	Central Sector+MPL	214	277	278	372	372	357	331	268	283	275	246	276	3550
iv)	Bi- lateral export by DVC	1478	1540	1393	1355	1245	1143	1115	1188	1215	1565	1524	1690	16451
v)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	-146	-19	96	227	576	633	800	592	484	2	-69	-9	3168
4	<b>ODISHA</b>													
i)	NET ENERGY REQUIREMENT	2745	2970	2935	2855	3255	3020	3315	2865	2560	2730	2530	2940	34720
ii)	NET ENERGY AVAILABILITY- OWN+IPP+CPP	2248	2333	2177	2207	2504	2517	2451	2004	2116	2106	1901	2261	26824
iii)	Central Sector	940	1063	1060	1153	1422	1344	1347	1136	1118	1263	1112	1210	14169
iv)	SURPLUS(+)/DEFICIT(-)	443	426	302	506	670	842	483	275	674	639	483	530	6273
5	<b>WEST BENGAL</b>													
5.1	<b>WBSEDCL</b>													
i)	WBSEDCL'S OWN REQUIREMENT	3903	4290	4285	4380	4330	4015	3480	2750	2730	3015	3000	3875	44052
ii)	SUPPLY TO IPCL	61	64	60	62	62	60	62	58	59	59	57	62	726
iii)	TOTAL WBSEDCL'S Energy Requirement (incl. B'Desh+Sikkim+IPCL)	4112	4507	4496	4598	4548	4226	3698	2959	2945	3078	3060	3941	46167
iv)	NET ENERGY AVAILABILITY- OWN SOURCE	2522	2539	2531	2549	2262	2436	2811	2391	2538	2686	2399	2726	30389
v)	Contribution from DPL	322	334	322	334	334	322	334	322	284	275	301	334	3816
vi)	Central Sector+Bi-lateral+IPP&CPP+TLDP	1342	1566	1731	2063	2151	1971	1822	1412	1304	1352	1226	1383	19324
vii)	EXPORT (TO B'DESH & SIKKIM)	148	153	151	156	156	151	156	151	156	4	3	4	1389
viii)	SURPLUS(+)/DEFICIT(-) AFTER EXPORT	74	-69	88	348	199	504	1268	1167	1181	1235	865	502	7363
5.2	<b>CESC</b>													
i)	NET ENERGY REQUIREMENT	1049	1250	1205	1195	1075	1080	970	790	695	685	669	855	11518
ii)	NET ENERGY AVAILABILITY - Own Source	526	558	537	554	533	527	523	393	324	438	423	501	5837
iii)	FROM OTHER SOURCE (INCL. IPP/CPP-29-30 MU/M)	157	294	282	245	161	180	118	88	59	70	69	54	1777
iv)	FROM HEL	366	398	386	396	381	373	329	309	312	177	177	300	3904
v)	TOTAL AVAILABILITY OF CESC	1049	1250	1205	1195	1075	1080	970	790	695	685	669	855	11518
vi)	SURPLUS(+)/DEFICIT(-)	0	0	0	0	0	0	0	0	0	0	0	0	0
6	<b>WEST BENGAL (WBSEDCL+DPL+CESC)</b> (excluding DVC's supply to WBSEDCL's command area)													
i)	NET ENERGY REQUIREMENT	5013	5604	5550	5637	5467	5155	4512	3598	3484	3759	3726	4792	56296
ii)	NET POWER AVAILABILITY- Own Source	3370	3430	3390	3436	3128	3285	3668	3106	3146	3398	3123	3561	40042
iii)	CS SHARE+BILATERAL+IPP/CPP+TLDP+HEL	1865	2258	2399	2704	2693	2524	2269	1809	1675	1599	1472	1737	25005
iv)	SURPLUS(+)/DEFICIT(-) BEFORE WBSEDCL'S EXP.	222	84	239	504	355	655	1424	1318	1337	1239	868	506	8752
v)	SURPLUS(+)/DEFICIT(-) AFTER WBSEDCL'S EXP.	74	-69	88	348	199	504	1268	1167	1181	1235	865	502	7363
7	<b>SIKKIM</b>													
i)	NET ENERGY REQUIREMENT	51	46	46	48	45	45	50	62	62	63	65	58	642
ii)	NET POWER AVAILABILITY- Own Source	3	3	3	3	3	3	3	1	1	1	1	2	27
iii)	Central Sector	84	103	112	123	131	127	118	87	77	84	72	83	1201
iv)	SURPLUS(+)/DEFICIT(-)	36	60	69	78	89	85	71	25	16	21	8	27	586
8	<b>EASTERN REGION</b>													
i)	NET ENERGY REQUIREMENT OF ER	13418	14860	14642	14500	15117	14144	13522	11830	11516	12178	11225	13440	160391
ii)	BILATERAL EXPORT BY DVC	1478	1540	1393	1355	1245	1143	1115	1188	1215	1565	1524	1690	16451
iii)	EXPORT BY WBSEDCL	148	153	151	156	156	151	156	151	156	4	3	4	1389
iv)	NET TOTAL ENERGY AVAILABILITY OF ER (INCLUDING CS ALLOCATION +BILATERAL+IPP/CPP+HEL)	14941	16143	15979	17060	17566	17213	17363	15266	15268	15717	13984	16090	192591
v)	ENERGY SURPLUS(+)/DEFICIT(-) OF ER AFTER EXPORT (v = iv - i - ii - iii)	-103	-410	-207	1050	1048	1774	2571	2098	2381	1971	1232	956	14360