



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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सं./ No. ERPC /COM-I/Ramp-cert/2020-21/32

दिनांक / Date: 10.05.2021

To: As per list enclosed / सेवा में: संलग्न सूची के अनुसार

Sub: Certification of Ramping performance of Thermal ISGS of ER from April,2020 to March,2021.

With reference to the regulation 30 of Central Electricity Regulatory Commission (Term & Condition of Tariff) Regulation ,2019-24 & Revised detailed guidelines for assessment of ramping capability of thermal Interstate generating stations issued by NLDC vide letter dated 30.12.2020, wherein it is stated that a statement of summary of calculations shall be prepared by respective RLDCs and certified by RPCs, at the end of each month of the financial year on cumulative basis.

Accordingly, month wise statement of summary of calculations of ramping performance of thermal ISGS of Eastern Region commencing **from the month April, 2020 up to the month of March,2021 (For FY 2020-21)** as furnished by ERLDC has been certified and given at **Annexure-I**. This is for kind information and necessary action by the constituents.

Yours faithfully,

(S. Kejriwal)
SE (Commercial)

List of Addressee

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20. AGM, SO, NVVN, SCOPE Complex, Core-5, 1st & 2nd Floor, Lodhi Road, New Delhi-110003 (Fax: 011-24367021)
21. Head (Commercial), TPTCL, Tata Power Co Ltd, B12 & 13, 2nd Floor, Shatabdi Bhawan, Sector 4, NOIDA – 201 301 (Fax: 0120-2540085/0050)
22. AGM, BRBCL, Nabinagar, Aurangabad BIHAR (Fax: 06332 233002).

Annexure-I (12 pages)

Ramp Performance of Thermal Power Stations for Month										April-2020
Number of months in computation (M):										1
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(T_d)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	2879	2879	1	198	132	133	0.92	0.67	0.67	-0.25
BRBCL	2768	2647	0.96	293	115	117	0.73	0.39	0.4	-0.25
Darlipali_NTPC	2879	2879	1	2	0	0	0.17	0	0	0
FSTPP-III	2879	2879	1	106	100	100	0.99	0.94	0.94	0
FSTPP I & II	2879	2877	1	202	141	143	0.94	0.7	0.71	-0.25
KHSTPP-I	2879	2879	1	208	134	136	0.88	0.64	0.65	-0.25
KHSTPP-II	2878	2763	0.96	169	86	88	0.84	0.51	0.52	-0.25
MTPS-II	2876	2876	1	328	255	256	1	0.78	0.78	0
NPGC	2879	2879	1	247	221	221	1	0.89	0.89	0
TSTPP-I	2871	2869	1	170	118	119	0.94	0.69	0.7	-0.25

SE (Comm)

Ramp Performance of Thermal Power Stations for Month										May-2020
Number of months in computation (M):										2
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	5789	5497	0.95	312	218	221	0.94	0.7	0.71	-0.25
BRBCL	5732	5603	0.98	638	350	355	0.83	0.55	0.56	-0.25
Darlipali_NTPC	4393	4393	1	2	0	0	0.17	0	0	0
FSTPP-III	5855	5847	1	197	188	188	1	0.95	0.95	0
FSTPP I & II	5849	5815	0.99	380	295	297	0.96	0.78	0.78	0
KHSTPP-I	5847	5833	1	419	243	245	0.86	0.58	0.58	-0.25
KHSTPP-II	5815	5498	0.95	306	183	187	0.88	0.6	0.61	-0.25
MTPS-II	5849	5839	1	684	568	570	1.02	0.83	0.83	0
NPGC	5326	5284	0.99	415	373	377	1.01	0.9	0.91	0
TSTPP-I	5840	5833	1	319	209	214	0.92	0.66	0.67	-0.25

SE (Comml)

Ramp Performance of Thermal Power Stations for Month										June-2020
Number of months in computation (M):										3
Station	Total no.of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(T_d)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	8654	8357	0.97	464	342	347	0.96	0.74	0.75	0
BRBCL	8552	8421	0.98	875	534	540	0.87	0.61	0.62	-0.25
Darlipali_NTPC	5247	5243	1	7	0	0	0.13	0	0	0
FSTPP-III	8601	8593	1	368	356	357	1.02	0.97	0.97	0
FSTPP I & II	8729	8671	0.99	507	420	422	0.98	0.83	0.83	0
KHSTPP-I	8727	8689	1	570	352	354	0.88	0.62	0.62	-0.25
KHSTPP-II	8683	8366	0.96	429	280	285	0.89	0.65	0.66	-0.25
MTPS-II	8727	8717	1	986	842	846	1.02	0.85	0.86	0
NPGC	8206	8164	0.99	582	533	540	1.03	0.92	0.93	0
TSTPP-I	8720	8688	1	455	297	307	0.91	0.65	0.67	-0.25

SE (Comml)

Ramp Performance of Thermal Power Stations for Month										July-2020
Number of months in computation (M):										4
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	11581	10640	0.92	625	493	499	0.98	0.79	0.8	0
BRBCL	11309	11178	0.99	1083	706	712	0.9	0.65	0.66	-0.25
Darlipali_NTPC	5892	5888	1	7	0	0	0.13	0	0	0
FSTPP-III	11459	11451	1	570	551	553	1.05	0.97	0.97	0
FSTPP I & II	11705	11628	0.99	622	526	530	0.99	0.85	0.85	0
KHSTPP-I	11702	11648	1	683	455	457	0.9	0.67	0.67	-0.25
KHSTPP-II	11659	11324	0.97	520	349	354	0.9	0.67	0.68	-0.25
MTPS-II	11702	11691	1	1179	1008	1015	1.01	0.85	0.86	0
NPGC	11137	11078	0.99	688	635	642	1.04	0.92	0.93	0
TSTPP-I	11696	11652	1	559	388	400	0.93	0.69	0.72	-0.25

SE (Commi)

Ramp Performance of Thermal Power Stations for Month										August-2020
Number of months in computation (M):										5
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(T_d)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	14557	13575	0.93	776	637	644	0.99	0.82	0.83	0
BRBCL	14279	14143	0.99	1354	939	954	0.92	0.69	0.7	-0.25
Darlipali_NTPC	7603	7599	1	10	0	0	0.14	0	0	0
FSTPP-III	14266	14254	1	764	744	746	1.06	0.97	0.98	0
FSTPP I & II	14676	14599	0.99	755	651	656	1	0.86	0.87	0
KHSTPP-I	14379	14190	0.99	863	577	581	0.9	0.67	0.67	-0.25
KHSTPP-II	13596	13212	0.97	595	402	408	0.9	0.68	0.69	-0.25
MTPS-II	14678	14667	1	1334	1138	1149	1.01	0.85	0.86	0
NPGC	14113	14054	1	860	802	809	1.05	0.93	0.94	0
TSTPP-I	14671	14604	1	755	555	571	0.95	0.74	0.76	0

SE (Comm)

Ramp Performance of Thermal Power Stations for Month										September-2020
Number of months in computation (M):										6
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	17435	16443	0.94	988	844	852	1.01	0.85	0.86	0
BRBCL	17145	17009	0.99	1562	1120	1137	0.93	0.72	0.73	-0.25
Darlipali_NTPC	10137	10133	1	10	0	0	0.14	0	0	0
FSTPP-III	16681	16669	1	930	899	905	1.06	0.97	0.97	0
FSTPP I & II	17556	17473	1	900	775	783	1	0.86	0.87	0
KHSTPP-I	17259	17054	0.99	1032	712	717	0.91	0.69	0.69	-0.25
KHSTPP-II	16464	16050	0.97	602	407	413	0.9	0.68	0.69	-0.25
MTPS-II	17524	17513	1	1570	1364	1377	1.02	0.87	0.88	0
NPGC	16993	16934	1	943	883	892	1.05	0.94	0.95	0
TSTPP-I	17548	17460	0.99	878	661	679	0.96	0.75	0.77	0

SE (Comml)

Ramp Performance of Thermal Power Stations for Month										October-2020
Number of months in computation (M):										7
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	20411	19419	0.95	1242	1094	1102	1.02	0.88	0.89	0
BRBCL	20119	19913	0.99	1739	1252	1271	0.93	0.72	0.73	-0.25
Darlipali_NTPC	13113	13109	1	10	0	0	0.14	0	0	0
FSTPP-III	19657	19645	1	1242	1198	1208	1.07	0.96	0.97	0
FSTPP I & II	20532	20413	0.99	1142	1002	1013	1.01	0.88	0.89	0
KHSTPP-I	20235	20015	0.99	1173	826	835	0.92	0.7	0.71	-0.25
KHSTPP-II	19342	18924	0.98	652	439	446	0.89	0.67	0.68	-0.25
MTPS-II	20482	20466	1	1859	1644	1658	1.03	0.88	0.89	0
NPGC	19495	17468	0.9	959	898	907	1.05	0.94	0.95	0
TSTPP-I	20524	20402	0.99	962	741	759	0.97	0.77	0.79	0

SE (Comml)

Ramp Performance of Thermal Power Stations for Month										November-2020
Number of months in computation (M):										8
Station	Total no.of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(T_d)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	23284	22035	0.95	1521	1367	1375	1.02	0.9	0.9	0
BRBCL	22999	22759	0.99	1891	1378	1400	0.94	0.73	0.74	-0.25
Darlipali_NTPC	15558	15554	1	13	0	0	0.19	0	0	0
FSTPP-III	22537	22514	1	1507	1443	1465	1.09	0.96	0.97	0
FSTPP I & II	23410	23279	0.99	1388	1237	1253	1.02	0.89	0.9	0
KHSTPP-I	23078	22857	0.99	1334	970	981	0.93	0.73	0.74	-0.25
KHSTPP-II	21611	21091	0.98	749	501	509	0.88	0.67	0.68	-0.25
MTPS-II	23361	23345	1	2132	1911	1925	1.04	0.9	0.9	0
NPGC	21134	17468	0.83	959	898	907	1.05	0.94	0.95	-0.25
TSTPP-I	23399	23173	0.99	1095	865	885	0.98	0.79	0.81	0

SE (Comm1)

Ramp Performance of Thermal Power Stations for Month										December-2020
Number of months in computation (M):										9
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	26241	24443	0.93	1757	1598	1606	1.03	0.91	0.91	0
BRBCL	25967	25713	0.99	2063	1529	1555	0.94	0.74	0.75	0
Darlipali_NTPC	18341	18337	1	14	0	0	0.19	0	0	0
FSTPP-III	25513	25410	1	1749	1646	1703	1.13	0.94	0.97	0
FSTPP I & II	26384	26055	0.99	1615	1451	1468	1.03	0.9	0.91	0
KHSTPP-I	26041	25747	0.99	1513	1131	1143	0.94	0.75	0.76	0
KHSTPP-II	24586	24037	0.98	883	617	625	0.9	0.7	0.71	-0.25
MTPS-II	26337	26321	1	2394	2164	2179	1.04	0.9	0.91	0
NPGC	24041	17468	0.73	959	898	907	1.05	0.94	0.95	-0.25
TSTPP-I	26375	26125	0.99	1228	991	1013	0.99	0.81	0.82	0

SE (CommI)

Ramp Performance of Thermal Power Stations for Month										January-2021
Number of months in computation (M):										10
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	29217	27418	0.94	1965	1799	1807	1.03	0.92	0.92	0
BRBCL	28942	28653	0.99	2193	1641	1669	0.95	0.75	0.76	0
Darlipali_NTPC	20436	20432	1	15	0	0	0.17	0	0	0
FSTPP-III	28217	28114	1	1886	1769	1840	1.15	0.94	0.98	0
FSTPP I & II	29359	28981	0.99	1764	1592	1612	1.03	0.9	0.91	0
KHSTPP-I	29017	28690	0.99	1653	1260	1272	0.95	0.76	0.77	0
KHSTPP-II	27562	26847	0.97	998	718	727	0.91	0.72	0.73	-0.25
MTPS-II	29313	29289	1	2621	2381	2397	1.05	0.91	0.91	0
NPGC	27017	17468	0.65	959	898	907	1.05	0.94	0.95	-0.25
TSTPP-I	29351	28654	0.98	1304	1061	1085	0.99	0.81	0.83	0

SE (Comml)

Ramp Performance of Thermal Power Stations for Month										February-2021
Number of months in computation (M):										11
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	31860	30016	0.94	2124	1955	1964	1.03	0.92	0.92	0
BRBCL	31630	31341	0.99	2286	1728	1756	0.95	0.76	0.77	0
Darlipali_NTPC	22775	22771	1	15	0	0	0.17	0	0	0
FSTPP-III	29943	29811	1	1976	1839	1924	1.15	0.93	0.97	0
FSTPP I & II	32046	31632	0.99	1883	1706	1726	1.04	0.91	0.92	0
KHSTPP-I	31705	31250	0.99	1737	1330	1345	0.95	0.77	0.77	0
KHSTPP-II	30250	28824	0.95	1045	754	764	0.91	0.72	0.73	-0.25
MTPS-II	32001	31977	1	2867	2618	2634	1.05	0.91	0.92	0
NPGC	28845	17468	0.61	959	898	907	1.05	0.94	0.95	-0.25
TSTPP-I	32034	31267	0.98	1338	1085	1110	0.99	0.81	0.83	0

SE (Comml)

Ramp Performance of Thermal Power Stations for Month										March-2021
Number of months in computation (M):										12
Station	Total no. of Time Blocks (Tm)	No. of Time Blocks Where Declared Ramp Up & Down rate $\geq 1\%(Td)$	Td/Tm	No. of time blocks where scheduled ramp $\geq 1\%/min$ (D)	Out of (D), no. of time blocks where actual ramp $\geq$ scheduled ramp (E)	Out of (D), no. of time blocks where actual ramp $\geq 1\%/min$ (F)	Average actual ramp rate during blocks when scheduled ramp $\geq 1\%/min$ (%/min) (AARR)	E/D	F/D	Recommended change in RoE(%)
BARH	34836	32985	0.95	2233	2056	2066	1.03	0.92	0.93	0
BRBCL	34602	34244	0.99	2321	1758	1786	0.95	0.76	0.77	0
Darlipali_NTPC	25408	25404	1	17	0	0	0.16	0	0	0
FSTPP-III	32919	32787	1	2052	1906	1997	1.16	0.93	0.97	0
FSTPP I & II	35022	34594	0.99	1928	1750	1771	1.04	0.91	0.92	0
KHSTPP-I	34680	34054	0.98	1755	1339	1356	0.95	0.76	0.77	0
KHSTPP-II	33226	31754	0.96	1136	836	847	0.92	0.74	0.75	0
MTPS-II	34977	34952	1	2980	2715	2734	1.05	0.91	0.92	0
NPGC	31022	17468	0.56	959	898	907	1.05	0.94	0.95	-0.25
TSTPP-I	34818	34049	0.98	1375	1114	1141	0.99	0.81	0.83	0

SE (Comml)
