



National Load Despatch Centre
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
CIN No.: U40105DL2009GOI188682
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 03rd Jul 2020

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यपालक निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
3. कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी, मुंबई - 400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 21st June 2020 to 27th June-2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 21 जून-2020 से 27 जून-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 21st June 2020 to 27th June-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr.DGM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

WEEKLY REPORT 21-Jun-2020 - 27-Jun-2020

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

REGION	NR		WR		SR		ER		NER		TOTAL	
Date	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
21-06-20	53929	420	39211	0	34679	0	19987	0	2688	3	150,494.0	423.0
22-06-20	57128	480	40537	0	36830	0	20046	0	2777	6	157,318.0	486.0
23-06-20	56929	488	40689	0	37302	0	20902	0	2767	8	158,589.0	496.0
24-06-20	55544	1017	42004	0	36910	0	21526	0	2717	9	158,701.0	1,026.0
25-06-20	55390	492	43095	0	36873	0	19133	0	2551	223	157,042.0	715.0
26-06-20	56521	452	41917	0	37026	0	19563	0	2483	347	157,510.0	799.0
27-06-20	58209	438	41995	0	36513	0	19492	0	2411	12	158,620.0	450.0

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

REGION	NR		WR		SR		ER		NER		TOTAL	
Date	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)
21-06-20	1270	358	949	55	861	71	418	132	50	22	3549	637
22-06-20	1294	367	980	69	881	80	419	143	52	22	3626	680
23-06-20	1351	369	995	72	901	85	436	140	51	24	3734	691
24-06-20	1314	371	1015	84	907	88	455	142	50	27	3741	712
25-06-20	1282	373	1042	76	895	85	438	137	46	27	3703	698
26-06-20	1310	363	1012	66	883	73	420	138	45	26	3669	666
27-06-20	1350	356	1007	65	883	76	424	136	43	27	3707	661

3. आवृत्ति (प्रतिशत समय में)

Date	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	FVI	Average
	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)
21-JUN-20	0.75	0.75	55.97	43.28	0.07	50.048
22-JUN-20	7.00	7.14	83.24	9.62	0.03	49.987
23-JUN-20	10.42	10.42	84.11	5.47	0.04	49.975
24-JUN-20	12.05	12.07	81.32	6.61	0.04	49.976
25-JUN-20	2.16	2.16	85.41	12.43	0.02	50.009
26-JUN-20	0.87	0.91	86.41	12.67	0.02	50.009
27-JUN-20	3.76	3.76	77.18	19.06	0.03	50.008

4. NEW ELEMENTS COMMISSIONED

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

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5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	21-06-2020		22-06-2020		23-06-2020		24-06-2020		25-06-2020		26-06-2020		27-06-2020	
Region	States	Max.Demand Met during the day	Peak hr Shortage	Max.Demand Met during the day	Peak hr Shortage	Max.Demand Met during the day	Peak hr Shortage	Max.Demand Met during the day	Peak hr Shortage	Max Demand Met during the day	Peak hr Shortage	Max.Demand Met during the day	Peak hr Shortage	Max.Demand Met during the day	Peak hr Shortage
NR	J&K(UT) & Ladakh(UT)	2041	510	2156	539	2156	539	2084	521	2197	549	2076	519	2013	503
	Punjab	11902	0	12430	0	12513	0	11352	0	10806	0	11765	0	12120	0
	Haryana	8493	0	8968	0	9012	0	8878	0	9098	0	9221	0	9479	0
	Rajasthan	11219	0	11746	0	11826	0	10912	0	10270	0	10434	0	11104	0
	Delhi	5214	0	5351	0	5457	0	5318	0	5328	0	5371	0	5556	0
	UP	20088	0	20100	270	20166	0	20317	270	20203	0	20160	0	20610	170
	Uttarakhand	1683	0	1865	0	1806	0	1826	0	1883	0	1888	0	1942	0
	HP	1267	0	1297	0	1367	0	1269	0	1345	0	1423	0	1266	57
	Chandigarh	286	0	291	0	320	0	289	0	293	0	305	0	318	0
WR	AMNSIL	792	0	872	0	743	0	720	0	801	0	725	0	836	0
	Chhattisgarh	2977	0	2921	0	3020	0	3403	0	3612	0	3676	0	3632	0
	Gujarat	13325	0	14532	0	14740	0	14449	0	14708	0	14883	0	15239	0
	MP	7750	0	7804	0	7657	0	7810	0	8097	0	7798	0	7576	0
	Maharashtra	16396	0	17788	0	18294	0	19030	0	19422	0	17403	0	17115	0
	Goa	410	0	436	0	406	0	423	0	468	0	435	0	431	0
	DD	193	0	231	0	244	0	251	0	243	0	255	0	245	0
	DNH	517	0	559	0	566	0	579	0	589	0	578	0	576	0
SR	Andhra Pradesh	7767	0	8278	0	8640	0	8812	0	8270	0	8470	0	8336	0
	Telangana	7210	0	7471	0	7663	0	8167	0	8723	0	8681	0	8721	0
	Karnataka	9886	0	9860	0	9982	0	10670	0	10437	0	8908	0	8800	0
	Kerala	2689	0	2975	0	3179	0	3226	0	3185	0	3134	0	3044	0
	Tamil Nadu	13111	0	13072	0	13558	0	13499	0	12401	0	12493	0	12916	0
	Pondy	351	0	380	0	368	0	350	0	351	0	364	0	381	0
ER	Bihar	5175	0	5298	0	5420	0	5571	0	5501	0	5102	0	5269	0
	DVC	2814	0	2707	0	2818	0	2761	0	2693	0	2807	0	2836	0
	Jharkhand	1327	0	1327	0	1327	146	1325	0	1298	0	1334	0	1321	0
	Odisha	4004	0	3928	0	4051	0	4361	0	4306	0	4079	0	3949	0
	West Bengal	7751	0	7881	0	7969	0	8267	0	8100	0	7631	0	7427	0
	Sikkim	78	0	83	0	94	0	95	0	94	0	94	0	90	0
NER	Arunachal Pradesh	119	1	108	1	109	1	107	1	103	0	103	0	102	1
	Assam	1700	14	1760	17	1695	0	1641	0	1567	173	1477	273	1473	10
	Manipur	178	1	181	0	195	1	188	1	186	2	177	1	179	1
	Meghalaya	368	0	336	0	318	0	332	0	316	0	334	0	308	0
	Mizoram	88	0	94	1	93	1	96	2	91	0	96	0	95	1
	Nagaland	127	0	139	2	137	1	132	1	123	1	117	0	118	2
	Tripura	267	3	286	5	298	3	293	4	294	2	287	3	263	1

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

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6. Energy Consumption in States (MUs)

Region	States	21-06-2020	22-06-2020	23-06-2020	24-06-2020	25-06-2020	26-06-2020	27-06-2020
NR	J&K(UT) & Ladakh(UT)	44.7	44.5	43.1	41.4	42.4	41.8	43.0
	Punjab	264.4	249.1	275.4	259.3	241.8	256.1	273.1
	Haryana	175.1	180.6	201.7	202.4	198.8	203.2	206.3
	Rajasthan	248.1	253.9	254.5	241.5	229.5	233.6	242.7
	Delhi	97.9	101.9	107.3	107.3	106.6	108.4	106.6
	UP	373.7	390.1	394.0	388.8	389.6	391.6	401.7
	Uttarakhand	34.0	40.0	40.2	39.9	40.6	41.3	42.9
	HP	27.0	27.9	28.9	27.5	27.2	28.4	27.7
	Chandigarh	5.0	5.5	6.1	5.7	5.7	6.0	6.2
WR	AMNSIL	17.0	17.3	15.8	15.5	17.9	16.0	17.1
	Chhattisgarh	72.2	65.1	69.0	76.6	85.8	86.2	87.1
	Gujarat	296.1	306.1	311.3	311.5	311.2	317.6	321.5
	MP	172.8	176.5	171.1	171.6	179.2	174.5	166.2
	Maharashtra	367.4	388.6	400.5	412.3	420.1	389.8	387.0
	Goa	8.2	8.9	8.7	8.9	9.3	9.2	9.2
	DD	3.5	4.6	5.3	5.4	5.4	5.5	5.4
	DNH	12.1	12.5	12.9	13.0	13.2	13.2	13.2
SR	Andhra Pradesh	170.4	169.7	176.6	176.9	171.8	173.8	173.6
	Telangana	149.4	157.6	159.9	168.6	174.9	179.0	175.3
	Karnataka	183.3	190.7	196.1	196.0	192.5	173.2	174.9
	Kerala	57.7	61.8	64.4	66.9	67.2	65.6	63.1
	Tamil Nadu	293.1	293.4	296.2	291.2	281.5	283.4	288.1
	Pondy	7.3	7.8	7.7	7.4	7.4	7.7	7.9
ER	Bihar	99.4	99.0	102.8	109.3	93.4	89.6	99.2
	DVC	59.2	56.8	62.0	61.5	58.4	59.0	61.7
	Jharkhand	24.3	25.2	25.8	25.8	25.3	24.8	26.8
	Odisha	85.5	83.5	84.3	89.1	91.7	87.9	84.9
	West Bengal	148.9	153.4	159.8	168.0	167.2	157.3	150.5
	Sikkim	0.9	1.2	1.3	1.3	1.5	1.3	1.3
NER	Arunachal Pradesh	2.1	2.0	2.0	1.9	2.0	2.1	2.1
	Assam	31.7	33.3	32.2	30.7	26.9	25.7	24.7
	Manipur	2.6	2.5	2.7	2.6	2.5	2.6	2.6
	Meghalaya	5.6	5.7	5.7	5.6	5.6	5.5	5.3
	Mizoram	1.5	1.6	1.7	1.7	1.7	1.7	1.7
	Nagaland	2.2	2.2	2.3	2.2	2.3	2.3	2.4
	Tripura	4.8	4.8	4.9	5.2	5.2	5.0	4.3
ALL INDIA TOTAL		3549.0	3625.3	3734.0	3740.3	3703.0	3669.7	3707.2

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

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(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	21-06-2020	22-06-2020	23-06-2020	24-06-2020	25-06-2020	26-06-2020	27-06-2020
East to North	-85.6	-96.0	-99.3	-96.7	-101.0	-105.5	-104.1
East to West	44.8	40.0	36.1	39.9	39.0	42.2	41.1
East to South	-77.3	-90.3	-98.6	-108.1	-109.9	-111.1	-107.3
East to North-East	-5.6	-7.6	-5.3	-1.2	-3.1	-4.4	-4.1
North-East to North	-12.2	-12.3	-11.9	-13.0	-14.0	-14.3	-16.1
West to North	-156.3	-162.4	-183.3	-168.1	-145.5	-166.8	-174.6
West to South	-56.8	-61.0	-62.2	-83.6	-90.8	-96.6	-80.8

भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय
INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH

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अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange from India (Import=(+ve) /Export =(-ve))

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
21-06-2020	48.7	2030	-1.8	-181	-77	-25.1	-1096	-1048
22-06-2020	49.3	2056	-1.6	-207	-66	-24.6	-1129	-1026
23-06-2020	47.2	1965	-1.8	-177	-74	-25.7	-1130	-1069
24-06-2020	47.3	1972	-2.3	-303	-97	-26.4	-1123	-1098
25-06-2020	48.1	2003	-2.3	-173	-95	-26.4	-1124	-1098
26-06-2020	52.2	2175	-1.5	-127	-63	-25.7	-1118	-1072
27-06-2020	53.0	2208	-0.6	-138	-27	-25.7	-1117	-1070
TOTAL	345.79		-11.9			-179.6		

Major Grid Incidence(Provisional)

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
1	WR	Tripping of 1.220 kV Pithampur Bus 1 2.220 kV Pithampur-Pithampur I/C 1 3.220 kV Pithampur-Pithampur Sector1 4.400/220 kV Pithampur ICTs 1&2	MPPTCL	23-Jun-20	23:50	24-Jun-20	02:08	02:18	At 400/220 kV Pithampur substation, R phase PT of 220 kV Bus 1 blasted and resulted in tripping of all the elements connected to 220 kV Pithampur Bus 1. 400/220 kV Pithampur ICT 2 connected to 220 kV Bus 2, also tripped during the event.	Nil	Nil	GI-1
2	WR	Tripping of 1.400 kV Jetpur Bus 2 2.400 kV Jetpur-Amreli 2 3.400 kV CGPI - Jetpur 2 4.400/220 kV Jetpur ICTs 1&2	GETCO	29-Jun-20	15:02	29-Jun-20	16:59	01:57	At 400 kV Jetpur substation, 400 kV Bus 2 and all connected elements tripped on BB protection operation due to B-E phase fault created by external conductive wire(kite thread) near 400 kV Amreli 1 bay.	Nil	Nil	GI-2
3	WR	Tripping of 1.400 kV Essar Vadinar- Hadala 1 2.600MW Essar Vadinar Unit 1	Essar	30-Jun-20	12:58	30-Jun-20	13:35	00:37	At 400 kV Essar Vadinar station, while test charging 400kV Essar Vadinar-Hadala 2 from Hadala end at 12:58hrs, 400kV Essar Vadinar- Hadala 1 tripped from Vadinar end. Due to tripping of both the lines, the station got black out. 600MW Essar Vadinar Unit 1 tripped due to the loss of evacuation path.	485	Nil	GD-1
4	WR	Tripping of 1.220 kV Talegaon(MH) Bus 1 2.220 kV Talegaon(MH)-Talegaon(PG) 1 3.220 kV Talegaon(MH)-Urse 1 4.220 kV Talegaon(MH)-GM Motor 5.220/22 kV 50 MVA Talegaon(MH) ICT 2	MSETCL	30-Jun-20	21:52	30-Jun-20	22:50	00:58	At 220 kV Talegaon(MH), 220 kV side Y phase CT of 220/22 kV ICT 2 blasted and resulted in tripping of 220 kV Bus 1 and all the connected elements on BB operation.	Nil	10	GI-1
5	SR	i. 400/220kV ICT-1 ii. 400/220kV ICT-3 iii. 220kV Vemagiri - Bommaru line 1 iv. 220kV Vemagiri - Bheemavaram v. 220kV Vemagiri - Vijeswaram	APTRANSCO	22-Jun-20	06:22	22-Jun-20	06:44	00:22	Tripping of 220kV Bus-1 at 400/220kV Vemagiri station. Triggering incident was B-ph to ground fault in 220kV Vemagiri - Bommaru Line-2 in 220kV Vemagiri - Vijeswaram feeder. As reported, an aluminium lead fell on B-Phase Bus-1 isolator dropper connected to 220kV Vijeswaram feeder. Bus bar protection of 220kV Bus-1 operated and all elements connected to the bus tripped.	---	---	GI-1
6	SR	i. 230kV Mywadi - Kadampal line-1& 2 ii. 230kV Mywadi link-1 and 2 iii. 230kV Mywadi - Ponnapuram line-1 & 2 iv. 230kV Mywadi - Okmandapaam v. 230kV Mywadi - Sembabathy Mywadi - Kurukaththi vi. 230kV Mywadi - Anakkadavu vii. 400kV/220kV Udumalpet ICT-1, 2 and 3.	TANTRANSCO vi 230 kv	22-Jun-20	23:47	23-Jun-20	02:31	02:24	Complete outage of 230kV Mywadi substation of TANTRANSCO : During antecedent conditions, 230kV Mywadi SS was under single bus operation. Triggering incident was failure of B phase CT of 230kV Mywadi-Ponnapuram line-2 at 230kV Mywadi end. 230 kV Bus-1 bus bar protection operated resulting in the tripping of all the connected elements at 230kV Mywadi. 400kV/230kV Udumalpet ICT-1, 2 and 3 also got tripped during the event.	---	---	GD-1
7	SR	i. 220kV Pavagada - KSDPCL3	KSPDCL	25-Jun-20	02:43	25-Jun-20	03:28	00:45	Complete outage of 220/33kV KSDPCL SS-3: Triggering incident was tripping of 220kV Pavagada - KSDPCL3 line due to overvoltage at 220kV Pavagada end. Since the only connected feeder tripped, there was complete outage at 220/33kV KSDPCL SS-3. Solar generation was not there since the event happened during night hours.	---	---	GD-1
8	SR	i. 220kV Pavagada - Thirumani (KSPDCL5)	KSPDCL	29-Jun-20	18:01	29-Jun-20	18:55	00:54	Complete outage of 220/33kV KSDPCL SS-5 (Thirumani): Triggering incident was tripping of 220kV Pavagada - Thirumani line due to overvoltage at Thirumani end only. Line did not trip at Pavagada end. This resulted in complete outage of 220/33kV KSDPCL SS-5 since the only connected feeder tripped.	25 MW	---	GD-1
9	ERLDC	220 kV Joda - TTPS D/C 220 kV Ramchandrapur - Joda S/C 220 kV Joda Jindal S/C	OPTCL	23-Jun-20	11:58	23-Jun-20	12:29	00:31	At 11:41 hrs 220 kV Joda - TTPS D/C tripped on B phase to earth fault. At 11:57 hrs, 220 kV Ramchandrapur - Joda S/C tripped on overload. Prior to the tripping, power flow was 160 MW. At same time 220 kV Joda JPL (Jindal) - Jamshedpur S/C tripped at same time from Ramchandrapur and Jamshedpur end respectively in overcurrent protection	0	160	GD-1
10	ERLDC	220 kV Muzaffarpur - Dhalkebar D/C	ISTS	24-Jun-20	18:23	24-Jun-20	19:12	00:49	220 kV Muzaffarpur Dhalkebar D/C tripped at 18:23 hrs from Muzaffarpur end on R phase directional earth fault. Prior to the tripping schedule of Nepal drawal over this link was 74 MW and it would increase to 163 MW w.e.f. 18:30 hrs. There was no generation or load loss reported in Indian grid at the time of the event.	0	0	GI-1
11	ERLDC	400 kV Alipurduar - Jigmelling D/C Unit 1 and 2 at Mangdechu	ISTS	25-Jun-20	02:47	25-Jun-20	04:02	01:15	400 kV Alipurduar - Jigmelling D/C tripped at 02:47 Hrs due to R phase to earth fault. At Alipurduar, auto reclose was successful for both circuits. But both the circuits tripped from Jigmelling. Around 590 MW generation loss was reported at the time of the event. There was no generation or load loss reported in Indian grid at the time of the event.	0	0	GI-2
12	ERLDC	400 kV Alipurduar - Jigmelling D/C Unit 1 and 2 at Mangdechu	ISTS	26-Jun-20	15:40	26-Jun-20	17:07	01:27	400 kV Jigmelling - Alipurduar - 1 along with all four running units (generating around 770 MW) of Mangdechu tripped at 15:40 hrs. DT signal was received at Alipurduar end of 400 kV Jigmelling Alipurduar - 1 at the time of the tripping. Later, at 15:53 hrs, 400 kV Jigmelling - Alipurduar - 2 also tripped due to B phase to earth fault. 400 kV Jigmelling - Alipurduar - 1 was extended from Alipurduar end at 16:24 hrs. But while synchronising at Jigmelling end, it tripped again at 16:49 hrs with DT received at received at Alipurduar. There was no generation or load loss reported in Indian grid at the time of the event.	0	0	GI-2
13	ERLDC	400 kV GMR - Meramundali S/C GMR unit #3	OPTCL	26-Jun-20	18:43	26-Jun-20	20:21	01:38	GMR unit # 3 was connected to 400/220 kV Meramundali S/S of OPTCL STU network through 400 kV GMR - Meramundali S/C. At 18:43 hrs, 400 kV GMR Meramundali S/C tripped due to DT received at Meramundali end. This caused total power failure at GMR (OPTCL) section and GMR unit #3 tripped. In PMU data, no fault was observed at the time of event	180	0	GD-1
14	ERLDC	400 kV Rangpo - Kishangunj S/C Unit 1 and 2 at Dikchu HEP Unit 1 at JHHEP	PG/Greenko/JHHEP	27-Jun-20	14:48	27-Jun-20	15:08	00:20	At 14:48 hrs 400 kV Rangpo - Kishangunj S/C tripped due to B phase to earth fault. At same time, unit 1 and 2 at Dikchu HEP and unit 2 at Jorethang tripped due to operation of differential relay.	161	0	GI-2
15	ERLDC	400 kV BRBCL - Sasaram - 1 Unit 1 and 2 at BRBCL	BRBCL	29-Jun-20	21:53	29-Jun-20	22:25	00:32	400 kV BRBCL - Sasaram - 2 was under break down due to rectification of tower bending. Unit 1 and 2 were in running condition at BRBCL At 21:53hrs., 400kV Sasaram-BRBCL #1 tripped on R and Y phase fault. Both the units got tripped due to loss of evacuation path	422	0	GD-1

16	NER	132 kV Palatana-Surjamaninagar line, 132 kV Agartala-Surjamaninagar I line 132 kV Budhjungnagar-Surjamaninagar I & II lines	TSECL, PGCB POWERGRID	22-Jun-20	10:23	22-Jun-20	10:38	00:15	Surjamaninagar Area of Tripura Power System and Comilla Load of Bangladesh Power System were connected with the rest of NER Grid through 132 kV Palatana-Surjamaninagar line, 132 kV Agartala-Surjamaninagar I & II lines and 132 kV Budhjungnagar-Surjamaninagar I & II lines. At 10:23 Hrs on 22.06.2020, 132 kV Palatana-Surjamaninagar line, 132 kV Agartala-Surjamaninagar I line and 132 kV Budhjungnagar-Surjamaninagar I & II lines tripped. At 10:28 Hrs, 132 kV Agartala-Surjamaninagar II line handtripped from Surjamaninagar. Due to tripping of these elements, Surjamaninagar Area of Tripura Power System and Comilla Load of Bangladesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	132	GD-1
17	NR	315MVA ICT-3 at 400kV Ballabgarh 220 kV Samaypur- Ballabgarh 1 220 kV Samaypur- Ballabgarh 2 220 kV Samaypur- Badhoahpur (HV) 1 220 kV Samaypur- FGPP 2 220 kV Samaypur- Pali 2	BBMB	29-Jun-20	09:28	29-Jun-20	10:48	01:20	As reported by BBMB, Bus bar protection operated at Samaypur station resulting in tripping of Bus-1 and elements connected with it.	Nil	141	GD-1
18	NR	NIPC Unit 6(250 MW) NIPC Unit 2(250 MW) NIPC Unit 4(250 MW) NIPC Unit 1(250 MW) NIPC Unit 2(250 MW) NIPC Unit 3(250 MW) Rampur Unit 1(68.67MW) Rampur Unit 2(68.67MW) Rampur Unit 3(68.67MW) Rampur Unit 4(68.67MW)	NIPC/SJVN.	28-Jun-20	04:23	28-Jun-20	05:20	00:57	NIPC Units tripped due to "GHC PLC" problem (48 V DC Failure).Rampur units tripped as running in tandem with NIPC.Generation loss of 980 MW(approx) as per SCADA. Generation was revived by 06:41Hrs	980	Nil	GD-1