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: 04th Sep 2020

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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., डोंगतिएह, 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 24th Aug-2020 to 30th Aug-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 24 अगस्त-2020 से 30 अगस्त-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उप्लब्ध 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 24th Aug-2020 to 30th Aug-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

साप्ताहिक रिपोर्ट (24 अगस्त 2020 से 30 अगस्त 2020 तक) **रिपोर्टिंग तिथि:-** **4-Sep-20**

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
दिनांक	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)
24-08-2020	55895		39505		37990		21446		2929	10	157765	10
25-08-2020	57283	240	40419		38857		21676		2965	13	161200	253
26-08-2020	57687	317	41912		38664		21128		2967	108	162358	425
27-08-2020	58526	163	40674		38280		20285		2873	178	160638	341
28-08-2020	54855	965	40692		39171		22036		2868	10	159622	975
29-08-2020	56925	67	40246		38744		22103		2734	11	160752	78
30-08-2020	52564		38653		36197		22230		2732	130	152376	130

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)
24-08-2020	1212	349	916	81	875	131	442	143	54	24	3499	729
25-08-2020	1248	345	955	84	919	132	454	146	57	24	3633	731
26-08-2020	1281	348	970	89	936	143	436	143	57	23	3680	747
27-08-2020	1284	344	957	97	908	128	422	143	55	23	3626	735
28-08-2020	1242	341	928	94	924	129	448	150	55	23	3598	737
29-08-2020	1225	343	925	92	939	110	461	147	53	21	3603	713
30-08-2020	1165	352	871	81	902	74	465	144	51	22	3453	673

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड
24-08-2020	3.62	3.78	80.27	15.95	50.01	0.025
25-08-2020	5.75	6.96	81.28	11.76	50.00	0.035
26-08-2020	5.89	7.48	84.35	8.17	49.99	0.036
27-08-2020	2.65	2.65	82.65	14.70	50.00	0.023
28-08-2020	8.21	8.75	84.49	6.76	49.98	0.036
29-08-2020	5.72	5.72	85.74	8.54	49.99	0.028
30-08-2020	2.66	3.08	68.75	28.17	50.02	0.038

***NEW & SR grid running in synchronisation.**

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	24-08-2020		25-08-2020		26-08-2020		27-08-2020		28-08-2020		29-08-2020		30-08-2020	
	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	Punjab	10466	0	10558	0	11018	0	10972	0	9792	0	9644	0	9206	0
	Haryana	8401	0	8375	0	8552	0	8972	0	8713	0	8805	0	8434	0
	Rajasthan	9193	0	8911	0	9515	0	9925	0	10142	0	9572	0	8909	0
	Delhi	4474	0	4630	0	4866	0	5145	0	5091	0	4920	0	4796	0
	UP	21011	0	21878	370	21047	0	21765	0	20747	270	20760	0	20173	0
	Uttarakhand	1781	0	1862	0	1849	0	1826	0	1863	0	1884	0	1656	0
	HP	1324	0	1355	0	1428	0	1363	0	1387	0	1379	1	1275	0
	J&K	2181	0	2204	0	2068	0	1569	0	2200	0	2216	0	2291	0
	Chandigarh	269	0	265	0	281	0	270	0	268	0	261	0	234	0
WR	Chhattisgarh	3718	0	3684	0	3610	0	3276	0	2698	0	3048	0	3351	0
	Gujarat	11214	0	11355	0	11562	0	12315	0	12097	0	12325	0	11602	0
	MP	8127	0	8428	0	8525	0	8318	0	7758	0	7292	0	7438	0
	Maharashtra	16995	0	17811	0	18110	0	18111	0	17891	0	17806	0	16650	0
	Goa	390	0	411	0	421	0	418	0	412	0	413	0	378	0
	DD	289	0	294	0	287	0	298	0	303	0	303	0	267	0
	DNH	702	0	701	0	701	0	718	0	714	0	727	0	708	0
	Essar steel	737	0	770	0	761	0	747	0	789	0	835	0	779	0
SR	Andhra Pradesh	7652	0	8051	0	7967	0	7805	0	8292	0	8730	0	8892	0
	Telangana	9059	0	9953	0	10212	0	8835	0	8676	0	8845	0	9044	0
	Karnataka	8735	0	9306	0	9623	0	9832	0	10369	0	10562	0	9990	0
	Kerala	3351	0	3384	0	3475	0	3538	0	3524	0	3449	0	3265	0
	Tamil Nadu	13149	0	13556	0	13604	0	13904	0	13831	0	13855	0	12376	0
	Pondy	372	0	340	0	375	0	360	0	372	0	382	0	365	0
ER	Bihar	5573	0	5952	0	5880	0	5698	0	5758	0	5881	0	6014	0
	DVC	2859	0	2920	0	2937	0	2847	0	2907	0	2872	0	2926	0
	Jharkhand	1439	0	1488	0	1469	0	1387	0	1436	0	1476	0	1510	0
	Odisha	4388	0	3850	0	3880	0	4529	0	4733	0	4129	0	4174	0
	West Bengal	7688	0	7975	0	7546	0	6902	0	7945	0	8350	0	8404	0
	Sikkim	80	0	83	0	79	0	82	0	85	0	84	0	68	0
NER	Arunachal Pradesh	111	1	125	2	118	1	124	1	117	1	116	0	110	2
	Assam	1932	20	1960	25	1954	97	1858	164	1901	0	1780	0	1742	117
	Manipur	186	2	212	2	184	1	198	1	193	2	192	1	182	2
	Meghalaya	314	0	313	0	315	0	307	0	312	0	304	0	301	0
	Mizoram	90	1	103	1	91	1	89	1	93	2	94	2	91	1
	Nagaland	126	2	130	2	127	1	130	1	128	0	126	3	123	1
	Tripura	298	2	266	2	283	2	292	0	289	1	285	1	278	2

6. Energy Consumption in States (MUs)

Region	States	24-08-2020	25-08-2020	26-08-2020	27-08-2020	28-08-2020	29-08-2020	30-08-2020
NR	Punjab	234.2	240.7	251.0	245.3	207.1	206.0	207.0
	Haryana	172.6	181.2	182.6	191.4	188.1	188.2	175.4
	Rajasthan	205.1	194.8	207.3	219.0	225.7	218.3	195.3
	Delhi	96.1	97.2	100.5	102.3	103.2	96.7	90.6
	UP	387.6	416.8	425.0	416.6	404.0	397.9	383.2
	Uttarakhand	39.3	40.8	40.3	39.8	40.4	39.5	36.3
	HP	27.7	30.5	31.4	30.8	29.1	31.8	28.8
	J&K	44.2	40.8	37.6	33.3	38.8	41.5	43.7
	Chandigarh	5.3	5.4	5.7	5.6	5.5	5.3	4.8
WR	Chhattisgarh	85.9	89.6	83.5	72.5	58.0	68.0	56.4
	Gujarat	243.4	249.7	255.3	265.2	269.6	271.6	250.6
	MP	175.5	186.3	193.7	185.6	173.9	163.4	157.5
	Maharashtra	365.1	381.4	389.1	385.0	377.2	372.2	358.9
	Goa	8.0	8.6	9.0	8.8	8.9	8.9	8.1
	DD	6.1	6.4	6.2	6.5	6.6	6.6	6.1
	DNH	15.8	15.9	16.2	16.5	16.6	16.6	16.3
	Essar steel	16.5	16.6	17.2	16.3	17.3	17.9	16.7
SR	Andhra Pradesh	163.6	170.8	171.5	168.4	176.5	184.8	185.5
	Telangana	183.5	200.5	203.4	176.6	172.9	175.2	178.3
	Karnataka	163.8	175.3	182.7	187.3	193.8	195.7	184.2
	Kerala	68.4	70.6	71.4	71.3	71.9	71.1	66.2
	Tamil Nadu	287.7	295.3	299.4	296.9	301.8	303.8	279.6
	Pondy	7.8	6.9	7.6	7.6	7.5	8.1	7.8
ER	Bihar	110.0	118.5	112.9	103.5	108.3	115.6	118.8
	DVC	63.1	63.7	63.8	61.0	62.7	62.6	62.9
	Jharkhand	26.2	28.2	26.8	25.9	27.6	28.8	29.2
	Odisha	84.8	79.1	76.3	87.3	95.0	86.9	86.3
	West Bengal	156.7	163.9	154.9	143.7	153.8	165.9	167.4
	Sikkim	1.0	1.0	1.0	1.0	1.0	1.1	0.9
NER	Arunachal Pradesh	2.0	2.1	2.2	2.2	2.0	1.8	1.8
	Assam	35.4	38.1	37.0	35.2	36.1	34.8	32.2
	Manipur	2.6	2.6	2.9	2.9	2.8	2.7	2.6
	Meghalaya	5.8	5.5	5.7	5.5	5.5	5.4	5.5
	Mizoram	1.6	1.6	1.8	1.7	1.7	1.6	1.6
	Nagaland	2.2	2.5	2.4	2.4	2.2	2.1	2.1
	Tripura	4.8	4.7	4.7	5.1	4.9	5.0	4.9
ALL INDIA TOTAL		**3499.1**	**3633.4**	**3679.5**	**3626.1**	**3597.6**	**3603.2**	**3453.5**

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

साप्ताहिक रिपोर्ट (24 अगस्त 2020 से 30 अगस्त 2020 तक)

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

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

दिनांक	24-08-2020	25-08-2020	26-08-2020	27-08-2020	28-08-2020	29-08-2020	30-08-2020
East to North	-83.7	-85.0	-98.5	-107.4	-107.2	-95.3	-65.2
East to West	54.5	54.7	44.4	37.3	44.7	54.9	61.9
East to South	-88.1	-104.3	-98.5	-92.9	-85.5	-87.1	-88.8
East to North-East	-15.7	-17.2	-14.8	-17.5	-16.2	-19.1	-16.7
North-East to North	-14.6	-13.7	-12.0	-14.5	-14.5	-14.6	-14.6
West to North	-200.6	-220.8	-209.7	-239.5	-209.5	-210.1	-180.2
West to South	-84.7	-75.3	-86.5	-59.4	-44.0	-36.9	-62.0

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

साप्ताहिक रिपोर्ट (24 अगस्त 2020 से 30 अगस्त 2020 तक)

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
24-08-2020	54.6	2274	-1.6	-229	-68	-25.6	-1089	-1067
25-08-2020	54.3	2263	-2.7	-296	-112	-26.5	-1116	-1103
26-08-2020	50.2	2093	-2.1	-273	-89	-26.0	-1108	-1082
27-08-2020	49.8	2073	-1.8	-231	-76	-25.1	-1118	-1048
28-08-2020	50.3	2095	-1.0	-148	-44	-25.7	-1094	-1070
29-08-2020	50.6	2109	-1.4	-207	-58	-23.1	-1105	-961
30-08-2020	50.1	2086	-1.8	-281	-73	-26.0	-1125	-1084
कुल Total	**359.9**		**-12.5**			**-178.0**		

8). Major Grid Incidences (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	NR	220 KV AD hydro(AD)-Phozal(HP) (ADHPL) Ckt-1 220 KV AD hydro(AD)-Nallagarh(PG) (ADHPL) Ckt-1 96 MW AD hydro - UNIT 1 96 MW AD hydro - UNIT 2	ADHPL	25-Aug-20	05:24	25-Aug-20	06:12	00:48	220 KV AD HYDRO(AD)-NALAGARH(PG) (ADHPL) CKT-1 tripped at 05:24hrs on Phase to phase fault Y-B fault, Fault Current = 1.6kA and Fault Location= 68.6Kms from AD Hydro. Along with this 220 KV AD HYDRO(AD)-PHOZAL(HP) (ADHPL) CKT-1 and all two units of AD Hydro were also tripped. Generation loss of approx~150MW at AD Hydro was reported. As per PMU, Y-B fault is observed in the system. In antecedent conditions, 220 KV AD hydro(AD)-Nallagarh(PG) & 220 KV AD hydro(AD)-Phozal(HP) (ADHPL) carrying 175MW & 24MW respectively.	150	0	**GD-1**
2	NR	400 KV Tanda(NT)-Sultanpur(UP) (UP) Ckt-1 400/220 kV 315 MVA ICT 1 at Sultanpur(UP) 80 MVAR Bus Reactor No 1 at 400KV Sultanpur(UP) 400 KV Sultanpur(UP)-Lucknow_1(PG) (PG) Ckt-1 400/220 kV 315 MVA ICT 3 at Sultanpur(UP) 400/220 kV 240 MVA ICT 2 at Sultanpur(UP) 400KV Bus 1 at Sultanpur(UP) 400KV Obra_B-Sultanpur (UP) Ckt-1	UPPTCL	26-Aug-20	20:50	26-Aug-20	21:45	00:55	400kV Transfer Bus B phase CT got damaged ,leading to operation of Bus Bar Protection relay and tripping of 400kV Bus Coupler & all elements connected to 400kV Bus 1. All ICTs were connected to Bus-1. Bus-2 charged through the 400KV Obra line. Load at Sultanpur after tripping meeting through the 220KV Ckt-2, Tanda new, Tanda-2 and Pratapgarh(as per SCADA). As per PMU, B-N fault is observed in the system. In antecedent conditions, 400/220 kV 315 MVA ICT 3, 240 MVA ICT 2 & 315 MVA ICT 3 at Sultanpur(UP) carrying 158MW, 111MW & 159MW respectively.	0	0	**GI-2**
3	NR	220 KV Amargarh(NRSS XXIX)-Ziankote(JK) (PDD JK) Ckt-2 220 KV Wagoora(PG)-Ziankote(JK) (PDD JK) Ckt-2 220 KV Amargarh(NRSS XXIX)-Ziankote(JK) (PDD JK) Ckt-1	PDD JK	28-Aug-20	18:16	28-Aug-20	19:27	01:11	220 KV Wagoora(PG)-Ziankote(JK) (PDD JK) Ckt-2 tripped on Y-B fault. At the same time, 220 KV Amargarh(NRSS XXIX)-Ziankote(JK) (PDD JK) Ckt-1 & 2 also tripped. As per PMU, multiple Y-B faults are observed in the system. In antecedent conditions, 220 KV Wagoora(PG)-Ziankote(JK) (PDD JK) Ckt-2, 220 KV Amargarh(NRSS XXIX)-Ziankote(JK) (PDD JK) Ckt-1 & 2 carrying 36MW, 115MW & 115MW respectively.	0	120	**GD-1**
4	NR	400 KV Sultanpur(UP)-Lucknow_1(PG) (PG) Ckt-1 400/220 kV 315 MVA ICT 3 at Sultanpur(UP) 400 KV Tanda(NT)-Sultanpur(UP) (UP) Ckt-1 400/220 kV 315 MVA ICT 1 at Sultanpur(UP) 80 MVAR Bus Reactor No 1 at 400KV Sultanpur(UP) 400/220 kV 240 MVA ICT 2 at Sultanpur(UP)	UPPTCL	30-Aug-20	17:34	30-Aug-20	18:08	00:34	220kv B phase LA blasted of 315MVA ICT-1 and ICT tripped on differential protection. But LBB of 400kv mal operated and tripped all elements on Bus A. As per PMU, B-N fault is observed in the system. In antecedent conditions, 400/220 kV 315 MVA ICT 1, 240 MVA ICT 2 & 315 MVA ICT 3 at Sultanpur(UP) carrying 128MW, 91MW & 128MW respectively. As reported by UP SLDC, 105MMW load loss occur in the event.	0	105	**GD-1**
5	NER	132 kV Melriat(PG)-Zuangtui line	POWERGRID	25-Aug-20	12:58	25-Aug-20	13:42	00:44	Zuangtui area of Mizoram Power System was connected with rest of NER Grid through 132 kV Melriat(PG)-Zuangtui line. At 12:58 Hrs on 25.08.20, 132 kV Melriat(PG)-Zuangtui line tripped. Due to tripping of this element, Zuangtui area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	35	**GD-1**
6	NER	132 kV Along - Pasighat line.	DoP, Arunachal Pradesh	28-Aug-20	12:53	28-Aug-20	13:05	00:12	Pasighat area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Along - Pasighat line. At 12:53 Hrs on 28.08.2020, 132 kV Along - Pasighat line tripped. Due to tripping of this element, Pasighat area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	13	**GD-1**
7	NER	132 kV Agartala - Rokhia D/C line, 132 kV Agartala - Dhalabil line, 132 kV Agartala - AGTCCPP D/C line, 132 kV AGTCCPP - Kumarghat line, 132 kV AGTCCPP - Surajmaninagar D/C line, 132 kV Budhjungnagar - Jirania line and 132 kV Palatana - surajmaninagar line	TSECL, POWERGRID & NEEPCO	31-Aug-20	07:26	31-Aug-20	07:45	00:19	Capital area of Tripura Power System, AGTCCPP Power Station & South Comilla load of Bangladesh Power System were connected with rest of NER Grid through 132 kV AGTCCPP - Kumarghat Line, 132 kV Agartala - Rokhia D/C, 132 kV Agartala - Dhalabil Line, 132 kV Bodhjannagar - Jirania Line and 132 kV Palatana - Surjamaninagar 1 Line. At 07:26 Hrs on 31.08.20, 132 kV AGTCCPP - Kumarghat Line, 132 kV Agartala - Rokhia D/C, 132 kV Agartala - Dhalabil Line, 132 kV Bodhjannagar - Jirania Line and 132 kV Palatana - Surjamaninagar 1 Line tripped. Due to tripping of these elements, Capital area of Tripura Power System, AGTCCPP Power Station & South Comilla load of Bangladesh Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	116	190	GD-1
8	ER	400 KV Alipurduar-Jigmeling D/C	ISTS	31-Aug-20	22:33	31-Aug-20	23:10	00:37	At 22:27 HRs 400 KV Jigmeling-Mangdechu-2 tripped on B phase to earth fault. At 22:33 hrs while taking charging attempt of 400 KV Jigmeling-Mangdechu-2 ,400 KV Alipurduar-Jigmeling D/C tripped on zone-2 in Y to B phase short circuit fault. At the same time all the running units of Mangdechu and 400 KV Mangdechu-Jigmeling-1 tripped.	520MW	0	GI-1
9	SR	220kV Bidnal - Soundhatti 220kV Bidnal - Haveri 220kV Ambewadi - Ponda-1 &2 Nagjheri - Hubli Line-1,2 &3 Nagjheri UI#1,2,5 and 6	KPTCL	31-Aug-20	17:12	31-Aug-20	17:43	00:31	Complete outage of 220 KV NAGJHARI GS,220KV AMBEWADI-220 KV BIDINAL&220 KV HUBLI: In the antecedent condition 220kV Narendra Bus-1 and Bus-2 were under planned shutdown for maintenancee works.220kV Nagjheri - Kodasalli D/C and 220kV Hubli - Sirsi lines were kept open in the antecedent for operational purpose. 220kV Bidnal - Hartli line-2 was in idle charged condition from Bidnal end. Initially three units were in service at Nagjheri with 400MW generation. As reported, under these conditions, Unit#4 at Nagjheri was brought in which resulted in overloading of the connected 220kV lines and the lines tripped on overcurrent protection. Running units at Nagjheri also tripped. These resulted in complete outage of 220kV Nagjheri, 220kB Hubli, 220kV Bidnal and 220kV Ambewadi stations. Details are awaited.	500MW	350 MW	GD-1
10	SR	400kV/230kV Neyvelli TS-2 ICT - 1 400kVNeyvelli TS-2 - Neyvelli TS-1 (Exp) 400kV Neyvelli TS-2 - Salem Line-2 400kV Neyvelli TS-2 - Pugalur Line	Neyvelli Lignite Corporation	30-Aug-20	12:50	30-Aug-20	14:48	01:58	Tripping of 400kV Bus-2 at 400kV Neyvelli TS-2 generating station: Triggering incident was failure of Y-ph tension insulator of 400kV NEYVELI_TS_II Bus-2 near bus reactor-1 gantry tower. Bus-2 Bus bar Protection operated resulting in the tripping of all elements connected to Bus-2. There was no generation at Neyvelli TS-2 during the event.	----	----	GI-2
11	SR	230kV Kudankulam - TTPS 230kV Kayathar - TTPS Unit#2 at TTPS	TANGEDCO	31-Aug-20	05:56	31-Aug-20	07:24	01:28	Tripping of 230kV Bus-2 at TTPS station of TANGEDCO: As reported, 230kV TTPS –Kayathar line tripped on Y-phase to ground fault. At the time of tripping, SF6 gas escaped through the vent at the top of the breaker. This led to operation of LBB protection and all elements connected to 230kV Bus-2 at TTPS tripped. Unit#2 at TTPS also tripped.	200 MW	----	GI-1
12	WR	400kV RIPL(Nandgaonpeth)- Akola(Adani) 1&2 400kV RIPL(Nandgaonpeth)-Akola(MH) 400kV RIPL(Nandgaonpeth)- Koradi 400 kV Akola(Adani)-Akola(MH) 1&2	Indian Bulls	27-Aug-20	10:01	27-Aug-20	11:06	01:05	After availing planned shutdown of 765/400 kV Akola(Adani) ICT 1, 400kV RIPL(Nandgaonpeth)-Akola(Adani) 1&2, 400kV RIPL(Nandgaonpeth) -Akola(MH),400 kV RIPL(Nandgaonpeth)- Koradi and 400 kV Akola(Adani)-Akola(MH) 1&2 tripped on Over Voltage protection operation.	Nil	Nil	GI-2
13	WR	765/400 kV Champa ICTs 1,2&3 400 kV Champa-KSK 3 400 kV Champa-KSK 4 KSK Units 2,3&4(600MW each)	PGCIL/KSK	28-Aug-20	02:49	29-Aug-20	15:37	12:48	At 765/400 kV Champa substation, heavy thunder storm and rains resulted in collapse of boundary wall and due to sudden ingress of water inside the switchyard, 765/400 kV Champa ICTs 1,2&3 tripped at 02:49 Hrs, 400 kV Champa-KSK 4 tripped at 03:19 Hrs and 400 kV Champa-KSK 3 tripped at 03:22 Hrs. All the ICTs and lines mentioned above tripped on DC Earth fault due to moisture ingress inside the marshalling box. With the tripping of 400 kV Champa-KSK 3&4 , all the running units 2,3&4 at KSK with total generation of 800MW tripped due to loss of evacuation path.	800	Nil	GD-1
14	WR	220 kV Parli(MH)-Parli old GCR 2 220 kV Parli(MH)-Murud 400/220kV Parli ICTs 2&3 220/132 kV Parli(MH) ICTs 2&3	MSETCL	28-Aug-20	09:10	28-Aug-20	09:55	00:45	At 400/220 kV Parli(MH) substation, B phase CT of 220 kV Parli old GCR 2 blasted and resulted in tripping of all the elements connected to 220 kV Bus 2. The fault was cleared on Backup protection operation as the faulty Bus bar relay was out of service prior to the event.	Nil	Nil	GI-1