



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: 02nd August 2019

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., डोंगतिह, 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 22nd July-2019 to 28th July-2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 22 जुलाई-2019 से 28 जुलाई-2019, 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 22nd July-2019 to 28th July-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

GM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (22 जुलाई से 28 जुलाई 2019 तक)

रिपोर्टिंग तिथि:-

2-Aug-19

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)
22-07-2019	56382	2186	49840		39735		22119		2619	208	170695	2394
23-07-2019	59193	3244	50648		39146		20825		2548	258	172360	3502
24-07-2019	55962	497	48778		41803		20371		2642	239	169556	736
25-07-2019	53510	522	46532		40533		20340		2654	204	163569	726
26-07-2019	52217	441	44894		39171		20289		2784	111	159355	552
27-07-2019	49630	460	44951		38701		20093		2731	183	156106	643
28-07-2019	49838	476	42268		35774		19390		2621	226	149891	702

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०घू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०घू०)	पनबिजली उत्पादन (मि०घू०)	ऊर्जा आपूर्ति (मि०घू०)	पनबिजली उत्पादन (मि०घू०)	ऊर्जा आपूर्ति (मि०घू०)	पनबिजली उत्पादन (मि०घू०)	ऊर्जा आपूर्ति (मि०घू०)	पनबिजली उत्पादन (मि०घू०)	ऊर्जा आपूर्ति (मि०घू०)	पनबिजली उत्पादन (मि०घू०)	ऊर्जा आपूर्ति (मि०घू०)	पनबिजली उत्पादन (मि०घू०)
22-07-2019	1343	340	1156	33	887	49	492	120	50	30	3928	573
23-07-2019	1397	330	1190	36	891	42	482	117	47	30	4008	555
24-07-2019	1394	347	1170	16	930	38	451	116	49	31	3993	548
25-07-2019	1233	327	1111	16	923	36	439	114	51	30	3758	523
26-07-2019	1200	328	1065	16	882	38	443	126	51	30	3641	538
27-07-2019	1135	312	1027	15	868	37	432	122	49	29	3511	516
28-07-2019	1093	336	993	17	827	41	415	114	50	28	3378	536

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड
22-07-2019	14.59	15.31	72.25	12.44	49.98	0.053
23-07-2019	12.38	14.54	71.06	14.40	49.98	0.058
24-07-2019	2.04	2.04	63.08	34.88	50.03	0.043
25-07-2019	3.01	3.01	67.41	29.58	50.02	0.037
26-07-2019	5.49	5.79	69.98	24.24	50.01	0.039
27-07-2019	4.29	4.54	68.43	27.04	50.01	0.039
28-07-2019	1.27	1.27	67.85	30.88	50.03	0.034

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 220kV Dalkhola-Gazola line first time charged on 23-07-2019 at 19:25 hrs. from dalkhola end.
2. 132 kV Rangpo-Chuzachen-II & 132 kV Rangpo-Gangtok-II first time charged on 24-07-2019 at 22:15 hrs & 22:42 hrs.
3. 765 kV 240 MVAR B/R at Kotra first time charged on 25-07-2019 at 18:09 hrs.

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

Region	Date	22-07-2019		23-07-2019		24-07-2019		25-07-2019		26-07-2019		27-07-2019		28-07-2019	
	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	11231	0	11271	0	11767	0	11106	0	10148	0	10165	0	9891	0
	Haryana	9349	0	9842	0	9767	0	8536	0	8343	0	7148	0	7297	0
	Rajasthan	11013	0	11344	0	12285	0	10105	0	9679	0	9024	0	7463	0
	Delhi	5767	0	6444	0	6535	0	5632	0	5100	0	4666	0	5048	0
	UP	19865	0	20999	1600	20151	890	18325	0	18071	0	18181	0	19412	0
	Uttarakhand	1935	0	1996	110	2031	0	1847	0	1842	0	1762	0	1762	0
	HP	1500	0	1480	0	1527	0	1450	0	1469	5	1425	0	1265	0
	J&K	2135	534	2194	549	2353	588	2124	531	2124	531	2018	505	1961	490
	Chandigarh	324	0	363	0	370	0	297	0	282	0	233	0	261	0
WR	Chhattisgarh	4660	0	4686	0	4587	0	4358	0	4031	0	3913	0	3923	0
	Gujarat	16213	0	16280	0	16136	0	15500	0	15332	0	15098	0	14107	0
	MP	9928	0	9929	0	9988	0	8725	0	8413	0	8185	0	7907	0
	Maharashtra	19663	0	19775	0	19778	0	18822	0	18133	0	16716	0	16420	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	338	0	349	0	344	0	336	0	344	0	315	0	301	0
	DNH	820	0	822	0	826	0	816	0	814	0	800	0	792	0
	Essar steel	299	0	282	0	292	0	324	0	293	0	288	0	373	0
SR	Andhra Pradesh	7650	0	7470	0	7873	0	7673	0	7058	0	6823	0	6897	0
	Telangana	8493	0	8918	0	9208	0	9468	0	8284	0	7788	0	7551	0
	Karnataka	8751	0	9044	0	8303	0	8625	0	9612	0	8944	0	8439	0
	Kerala	2992	0	3170	0	3259	0	3395	0	3344	0	3351	0	3178	4
	Tamil Nadu	14099	0	14039	0	14650	0	14226	0	13998	0	13588	0	12738	0
	Pondy	357	0	374	0	408	0	402	0	395	0	373	0	345	-1
ER	Bihar	5500	0	5207	0	4870	0	5072	0	4960	0	5109	0	5367	0
	DVC	3101	0	3017	0	2909	0	2808	0	2857	0	3038	0	2839	0
	Jharkhand	1204	0	1070	0	999	0	1124	0	1099	0	998	0	1000	0
	Odisha	4808	0	4917	0	4626	0	4029	0	4312	0	4438	0	4283	0
	West Bengal	9306	0	9205	0	8572	0	8356	0	8235	0	8080	0	7790	0
	Sikkim	97	0	95	0	96	0	82	0	80	0	76	0	57	0
NER	Arunachal Pradesh	126	2	118	2	126	2	128	2	126	2	122	0	131	2
	Assam	1645	146	1583	130	1600	100	1710	126	1778	82	1720	143	1631	168
	Manipur	158	3	156	3	158	2	174	1	164	2	174	2	176	1
	Meghalaya	319	0	295	0	315	0	320	0	328	0	310	0	310	0
	Mizoram	92	2	96	2	98	2	84	2	86	1	92	1	89	1
	Nagaland	132	4	135	1	127	2	122	3	124	2	129	2	128	2
	Tripura	281	9	288	4	292	3	252	23	276	2	283	3	269	2

6. Energy Consumption in States (MUs)

Region	States	22-07-2019	23-07-2019	24-07-2019	25-07-2019	26-07-2019	27-07-2019	28-07-2019
NR	Punjab	245.9	253.7	264.8	229.6	220.4	206.3	210.9
	Haryana	194.3	211.3	208.1	183.2	177.2	157.8	153.9
	Rajasthan	242.2	251.4	256.8	219.3	218.3	198.7	159.3
	Delhi	116.6	129.0	130.4	115.2	109.3	100.7	98.9
	UP	422.1	428.8	406.8	372.2	357.5	359.1	364.1
	Uttarakhand	42.9	43.3	45.4	40.7	39.5	38.3	37.4
	HP	30.7	30.4	32.0	29.5	29.5	28.9	26.3
	J&K	42.4	42.8	42.9	37.0	42.5	40.5	37.3
	Chandigarh	6.3	6.8	6.4	6.0	5.5	4.9	4.9
WR	Chhattisgarh	110.2	111.6	106.5	100.1	96.7	91.7	93.7
	Gujarat	342.2	355.4	354.3	346.8	338.8	334.6	314.9
	MP	219.0	229.2	220.4	197.9	185.2	183.2	175.8
	Maharashtra	441.2	451.4	446.0	423.8	400.5	374.0	364.8
	Goa	11.4	11.0	11.3	11.3	11.3	11.3	11.3
	DD	7.5	7.8	7.4	7.1	7.5	7.2	7.0
	DNH	18.9	19.2	19.1	19.0	19.0	18.7	18.7
	Essar steel	5.8	4.8	5.3	5.7	5.7	5.9	7.0
SR	Andhra Pradesh	165.3	168.2	175.2	174.1	158.7	154.9	151.0
	Telangana	184.1	191.1	198.7	199.0	174.1	167.8	161.1
	Karnataka	171.9	164.5	172.9	163.7	174.8	165.4	160.8
	Kerala	60.0	60.7	62.7	65.7	65.6	66.3	62.2
	Tamil Nadu	297.9	299.0	312.3	312.5	300.7	305.3	284.4
	Pondy	7.7	7.8	8.5	8.5	8.4	8.0	7.4
ER	Bihar	104.2	97.4	88.2	90.6	97.1	91.9	91.4
	DVC	66.6	63.7	61.1	63.7	63.4	63.5	60.8
	Jharkhand	27.1	24.8	22.5	22.7	23.2	22.2	21.8
	Odisha	98.7	102.5	97.4	86.9	86.2	87.9	89.0
	West Bengal	194.3	192.2	180.5	174.5	172.5	166.0	151.3
	Sikkim	1.3	1.2	1.2	0.9	0.9	0.8	0.5
NER	Arunachal Pradesh	2.2	2.3	2.4	2.3	2.3	2.3	2.3
	Assam	29.5	27.8	29.2	31.7	31.4	30.5	30.9
	Manipur	2.6	2.5	2.5	2.6	2.6	2.4	2.6
	Meghalaya	5.8	5.4	5.4	5.6	5.6	5.7	5.5
	Mizoram	1.9	1.9	2.1	1.9	1.7	1.6	1.6
	Nagaland	2.2	2.0	2.2	2.3	2.2	2.3	2.3
	Tripura	5.6	4.8	4.9	4.7	5.0	4.6	4.8
ALL INDIA TOTAL		3928.1	4007.6	3993.4	3758.1	3640.8	3511.1	3377.8

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

साप्ताहिक रिपोर्ट (22 जुलाई से 28 जुलाई 2019 तक)

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

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

दिनांक	22-07-2019	23-07-2019	24-07-2019	25-07-2019	26-07-2019	27-07-2019	28-07-2019
East to North	-93.0	-104.7	-105.8	-74.2	-75.6	-75.5	-72.5
East to West	52.2	49.8	62.7	77.0	80.3	93.4	86.8
East to South	-39.1	-36.8	-52.2	-64.1	-58.7	-62.7	-51.4
East to North-East	-7.0	-7.9	-5.5	-9.1	-7.1	-6.2	-8.8
North-East to North	-23.9	-24.3	-23.8	-21.5	-21.8	-22.0	-21.8
West to North	-179.4	-220.2	-178.9	-126.3	-132.0	-131.8	-132.0
West to South	-6.4	25.6	-4.2	-32.7	-26.9	-32.3	-18.1

**भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (22 जुलाई से 28 जुलाई 2019 तक)

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

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बाग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
22-07-2019	36.1	1506	-5.9	-495	-247	-26.3	-1128	-1098
23-07-2019	37.3	1552	-3.3	-201	-137	-26.4	-1139	-1102
24-07-2019	39.0	1625	-2.1	-266	-87	-26.5	-1144	-1105
25-07-2019	43.2	1799	-2.7	-284	-111	-26.5	-1119	-1105
26-07-2019	43.5	1811	-3.0	-142	-124	-25.8	-1119	-1074
27-07-2019	42.9	1786	-2.8	-130	-115	-23.1	-1106	-961
28-07-2019	37.5	1561	-4.0	-233	-167	-23.8	-1046	-990
कुल Total	279.4		-23.7			-178.4		

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
1	NR	1) 220kV Delina(JK)-Kishanganga(NHPC) ckt-1 2) 220kV Delina(JK)-Kishanganga(NHPC) ckt-2 3) 220kV Delina(JK)-Amargarh(NRSS29) 4) 220kV Delina(JK)-Ziankote(JK) 5) 110MW Unit#2 at 220kV Kishanganga(NHPC)	NHPC, J&K & POWERGRID	23-Jul-19	12:26	23-Jul-19	13:06	00:40	220kV Delina(JK)-Amargarh(NRSS29) tripped on B-N fault from Delina(JK) end. Unit#2 at 220kV Kishanganga(NHPC) tripped due to loss of evacuation path. As per PMU, B-N fault is observed in the system. In antecedent conditions, 220kV Delina(JK)-Kishanganga(NHPC) ckt-1 & 2 carrying 50MW each.	100	80	GD-1
2	NR	1) 500 MVA ICT 1 at 400/220kV Moga(PG) 2) 315 MVA ICT 4 at 400/220kV Moga(PG) 3) 220kV Moga(PG)-Moga(PSTCL) ckt-2 4) 220kV Moga(PG)-Ajitwal(PSTCL)	POWERGRID & Punjab	23-Jul-19	19:36	23-Jul-19	20:33	00:57	500 MVA ICT 1 & 315 MVA ICT 4 at 400/220kV Moga(PG) tripped due to 96A relay having fault & got short circuit. At the same time, 220kV Moga(PG)-Moga(PSTCL) ckt-2 & 220kV Moga(PG)-Ajitwal(PSTCL) also tripped. As per PMU, No fault is observed in the system. In antecedent conditions, 500 MVA ICT 1 & 315 MVA ICT 4 carrying 260MW & 170MW respectively.	Nil	Nil	GI-2
3	NR	1) 315 MVA ICT 1 at 400/220 kV Bawana(DTL) 2) 315 MVA ICT 4 at 400/220 kV Bawana(DTL) 3) 315 MVA ICT 5 at 400/220 kV Bawana(DTL) 4) 220kV Bawana(DTL)-Rohini(DTL) ckt-1 5) 220kV Bawana(DTL)-Rohini(DTL) ckt-2 6) 220kV Bawana(DTL)-Shalimar bagh(DTL) ckt-1 7) 220kV Bawana(DTL)-Shalimar bagh(DTL) ckt-2	Delhi	25-Jul-19	10:58	25-Jul-19	11:48	00:50	315 MVA ICT 1, 4 & 5 at 400/220 kV Bawana(DTL) connected with 220kV Bus 1 and feeding the load of 220kV Rohini(DTL) & 220kV Shalimar bagh(DTL). 315 MVA ICT 2, 3 & 6 at 400/220 kV Bawana(DTL) connected with Bus 2. 220kV Bawana(DTL)-Shalimar bagh(DTL) ckt-2 tripped on R-N fault. 315 MVA ICT 1, 4 & 5 tripped on operation of back up directional Earth fault protection. 220kV Bawana(DTL)-Rohini(DTL) ckt-1 & 2 were out due to loss of supply from Bawana. As per PMU, Y-N fault followed by R-N fault with delayed clearance is observed. In antecedent conditions, 315 MVA ICT 1, 4 & 5 at 400/220 kV Bawana(DTL) carrying 156MW, 158MW & 122MW respectively.	Nil	470	GD-1
4	NR	1) 220kV BUS-1 at 400/220kV Wagoora(PG) 2) 220kV Wagoora(PG)-Pampore(JK) ckt-I & II 3) 220kV Wagoora(PG)-Zainkote(JK) ckt-I & II 4) 315MVA ICT-I, II, III & IV at 400/220kV Wagoora(PG) 5) 220kV Amargarh(NRSS29)-Zainkote(JK) 6) 220kV Amargarh(NRSS29)-Delina(JK) 7) 220kV Zainkote(JK)-Delina(JK) 8) Unit-IV of 400kV URI-I(NHPC) & Unit-I,II,III of 400kV URI-II(NHPC) 9) Unit-I,II,III&IV of 220kV Kishanganga(NHPC) 10) SVC (-200/+300 MVAR) at New Wanpoh(PG) 11) 400kV Amargarh(NRSS29)-URI-I(NHPC) ckt-2 12) 220kV Rampur(JK)-Mirbazhar(JK) & 220kV Kishnepur(PG)-Mirbazhar(JK)	POWERGRID, J&K, NRSS29 & NHPC	26-Jul-19	17:43	26-Jul-19	18:35	00:52	First time anti-theft charging of 220kV Wagoora -Kishanganga line from Wagoora end was carried out. In antecedent conditions, 315MVA ICT-I, II, III & IV at 400/220kV Wagoora(PG) carrying 95MW, 96MW, 96MW & 89MW respectively. Isolator dropper of 220kV BUS-1 at Wagoora was snapped during shifting of isolators from 220kV BUS-1 to 220kV BUS-2 of Wagoora-kishanganga line. The fault is continuously feeded at wagoora so that all ICT, 220kV Bus-I and all 220 kV line are tripped. As the 220kV Zainkote-Delina & Kishanganga-Delina lines tripped due to fault at wagoora end, 280 MW generation loss at Kishanganga occurred due to loss of power evacuation path. Generation of 160 MW at URI-I & URI-II was out due to over fluxing. As per PMU, Y-N followed by R-N followed by B-N fault with delayed clearance is observed.	525	1000	GD-1
5	WR	Tripping of 1. 220 kv Khargar Bus 1 2. 400/220 kv Khargar ICTs 1&3 3. 220 kv Khargar-Nerul 4. 220 kv Khargar-Uran 1 5. 220 kv Khargar-Panvel 6. 220 kv Khargar-Borivalli 7. 220/33 kv Khargar ICTs 1&3	MSETCL	25-Jul-19	03:48	25-Jul-19	04:45	00:57	At 400/220 kv Khargar s/s, 220 kv Bus 1 and all connected elements tripped due to the B phase bus CVT blast on Bus bar protection operation.	33	Nil	GI-1
6	WR	Tripping of 1. 220 kv Ponda Bus 2 2. 220 kv Ponda-Xeldem 1&2 3. 220 kv Mahalakshmi-Amona 4. 220/110 kv Ponda ICTs 2&3 5. 220 kv Amona-Ponda 1&2	Goa	29-Jul-19	17:38	29-Jul-19	18:05	00:27	At 220kv Ponda, Bus 2 bus fault occurred due to the decapping of bus insulator and resulted in tripping of all the elements connected to it. 220 kv Mahalakshmi-Amona also tripped during the event. Tripping of 220 kv Ponda-Xeldem 1&2, led to black out at 220kv Xeldem S/S.	Nil	200	GD-1

7	WR	Tripping of 1.220 kV Boisar-Boisar(PG) 1,2&3 2.220 kV Boisar-Nallasopara 3.220 kV Boisar-TAPS 4.220 kV TAPS-Borivalli	MSETCL	29-Jul-19	17:48	29-Jul-19	18:45	00:57	Due to the snapping of earthwire of multicircuit tower, 220 kV Boisar-Boisar(PG) T/C and 220 kV Boisar-Nallasopara tripped. 220 kV Boisar-TAPS also tripped at the same time on Directional earth fault and 220 kV TAPS-Borivalli tripped later on overcurrent protection operation.	Nil	Nil	GI-1
8	WR	Tripping of 1.400 kV Boisar-Padghe 1 2.400 kV Tarapur-Padghe 2 3.400 kV Nagothane-Padghe 1 4. ±500 kV HVDC Chandrapur-Padghe Pole 2 5.400/220 kV 315 MVA ICT2 6.400/220 kV 500 MVA ICT 3 7.400 kV Bableshwar-Padghe 1	MSETCL	31-Jul-19	12:54	31-Jul-19	14:59	02:05	At 400/220 kV Padghe s/s, R phase CVT of 400 kV Bus 1 blasted and resulted in tripping of all the elements connected to 400 kV Bus 1.	Nil	Nil	GI-2
9	NER	132 kV Kohima-Wokha Line and 132 kV Kohima-Imphal Line	DOP,Nagaland,MSP CL	24-Jul-19	13:10	24-Jul-19	13:23	00:13	Capital area of Nagaland Power System was connected with the rest of NER Grid through 132 kV Kohima-Wokha line and 132 kV Kohima-Imphal Line. 132 kV Dimapur-Kohima was under Emergency Shutdown, 66 kV Tuensang - Likhimro line is kept open due to construction activities. 132 kV Kohima-Karong line was under outage since 12:32 Hrs on 24.07.19. At 13:10 Hrs on 24.07.19, 132 kV Kohima-Wokha line and 132 kV Kohima-Imphal line tripped. Due to tripping of these elements, Capital area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	16.9	GD 1
10	NER	132 kV Imphal(MSPCL)-Imphal(PG)-1 & 2 Lines	MSPCL, POWERGRID	25-Jul-19	16:18	25-Jul-19	16:24	00:06	Imphal area of Manipur Power System is connected with the rest of the NER grid through 132 kV Imphal (PG)-Imphal (MSPCL) 1 & 2 lines, 132 kV Imphal-Karong line (idle charged) and 132 kV Kongba-Kakching line was kept opened due to system requirement. At 16:18 Hrs on 25.06.2019, while charging 132 kV Imphal - Karong line, 132 kV Imphal (PG)-Imphal (MA) 1 & 2 lines tripped. Due to tripping of this element, Imphal area of Manipur Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	50	GD 1
11	NER	132 kV Dimapur (PG)-Dimapur (DoP, Nagaland) 1 & 2 lines.	DoP, Nagaland	28-Jul-19	14:09	28-Jul-19	14:26	00:17	Dimapur area of Nagaland Power System was connected with the rest of NER Grid through 132 kV Dimapur (PG)-Dimapur (DoP,Nagaland) 1 & 2 lines. At 14:09 Hrs on 28.07.2019, 132 kV Dimapur (PG)-Dimapur (DoP, Nagaland) 1 & 2 lines tripped. Due to tripping of these elements, Dimapur area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	60	GD 1
12	NER	132 kV Imphal (PG)-Imphal (MSPCL) 1 & 2 Lines	POWERGRID & MSPCL	31-Jul-19	15:56	31-Jul-19	16:02	00:06	Imphal area of Manipur Power System is connected with the rest of the NER grid through 132 kV Imphal (PG)-Imphal (MSPCL) 1 & 2 lines and 132 kV Yiangangpokpi-Kongba line. 132 kV Imphal (MSPCL)-Karong line is under outage due to construction work. 132 kV Kongba-Kakching line was kept opened due to system requirement. At 15:56 Hrs on 31.07.2019, 132 kV Imphal (PG)-Imphal (MSPCL) 1 & 2 lines tripped. Due to tripping of this element, Imphal area of Manipur Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	48	GD 1
13	NER	132 kV Hailakandi - Panchgram line and 132 kV Badarpur - Panchgram line	POWERGRID & AEGCL	31-Jul-19	16:45	31-Jul-19	17:01	00:16	Panchgram area of Assam Power System was connected with the rest of NER Grid through 132 kV Hailakandi - Panchgram line and 132 kV Badarpur - Panchgram line. (132 kV Srikona - Panchgram Line is under long outage, 132 kV Panchgram - Lumshong line was idle charged for system requirement) At 16:45 Hrs on 31.07.19, 132 kV Hailakandi - Panchgram line and 132 kV Badarpur - Panchgram line tripped. Due to tripping of these elements, Panchgram area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	40	GD 1