



**National Load Despatch Centre**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
**(A Government of India Enterprise)**  
CIN No.: U40105DL2009GO1188682  
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 20<sup>th</sup> Nov 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., 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 09<sup>th</sup>Nov-2020 to 15<sup>th</sup> Nov-2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 09 नवंबर -2020 से 15 नवंबर-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 09<sup>th</sup>Nov-2020 to 15<sup>th</sup> Nov-2020. is available at the NLDC website.

Thanking You.

Yours faithfully,

  
Sr. DGM(SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (09 नवंबर 2020 से 15 नवंबर 2020 तक)

रिपोर्टिंग तिथि:- 20-Nov-20

(आई० ई० जी० सी० की धारा संख्या-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)
09-11-2020	46376	450	51612		39853		18369		2462	4	158672	454
10-11-2020	46992	630	51629		39748		18213		2490	7	159072	637
11-11-2020	47052	300	50594		40776		17857	87	2502	9	158781	396
12-11-2020	46637	325	50606		39166		18141		2500	6	157050	331
13-11-2020	44079		48194		35348		18199		2497	43	148317	43
14-11-2020	36906		40997		30682		17371		2370	62	128326	62
15-11-2020	33091	300	41409		31543		17701		2323	56	126067	356

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)
09-11-2020	943	112	1199	31	869	96	355	63	41	17	3406	319
10-11-2020	943	114	1198	29	882	87	353	59	44	17	3419	306
11-11-2020	942	114	1180	35	887	91	355	62	43	16	3407	318
12-11-2020	960	112	1186	37	880	97	358	60	43	16	3427	322
13-11-2020	935	108	1166	30	834	88	361	60	44	17	3340	303
14-11-2020	832	111	1049	28	733	70	353	50	42	17	3009	275
15-11-2020	722	108	999	26	708	81	343	54	40	16	2812	286

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड
09-11-2020	2.64	2.64	81.84	15.52	50.01	0.024
10-11-2020	1.48	1.48	80.13	18.39	50.01	0.024
11-11-2020	2.80	2.80	85.08	12.12	50.00	0.024
12-11-2020	6.56	6.64	78.61	14.75	49.99	0.032
13-11-2020	2.30	2.43	78.73	18.84	50.01	0.027
14-11-2020	7.47	7.78	73.58	18.65	49.99	0.039
15-11-2020	10.21	10.38	80.28	9.34	49.98	0.039

\*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	09-11-2020		10-11-2020		11-11-2020		12-11-2020		13-11-2020		14-11-2020		15-11-2020	
	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	6327	0	5554	0	5569	38	5711	0	5520	0	4930	0	3621	0
	Haryana	6049	0	6070	0	6091	0	5929	0	5447	0	4644	0	3864	0
	Rajasthan	12885	0	12622	0	12636	0	12985	0	12866	0	12299	0	11504	0
	Delhi	3461	0	3472	0	3487	0	3395	0	3513	0	2865	0	2545	0
	UP	14987	0	15107	230	15496	0	15328	0	14769	0	13505	0	13158	0
	Uttarakhand	1882	0	1829	0	1888	0	1839	0	1750	0	1437	0	1459	0
	HP	1569	6	1543	0	1544	0	1570	0	1507	0	1176	0	1082	0
	J&K	2424	0	2600	0	2458	0	2568	0	2255	0	2211	0	2168	0
Chandigarh	178	0	178	0	182	0	175	0	174	0	152	0	139	0	
WR	Chhattisgarh	3408	0	3365	0	3375	0	3384	0	3402	0	3037	0	2903	0
	Gujarat	16596	0	16271	0	15634	0	15346	0	14926	0	12616	0	11357	0
	MP	13816	0	14081	0	14268	0	14078	0	14052	0	13471	0	12776	0
	Maharashtra	20950	0	20793	0	20788	0	21285	0	21079	0	18818	0	18397	0
	Goa	509	0	492	0	430	0	466	0	467	0	363	0	422	0
	DD	338	0	340	0	340	0	335	0	312	0	262	0	157	0
	DNH	794	0	802	0	789	0	787	0	756	0	720	0	556	0
	Essar steel	838	0	790	0	796	0	781	0	812	0	798	0	780	0
SR	Andhra Pradesh	8256	0	8350	0	8618	0	7833	0	7560	0	7465	0	7370	0
	Telangana	6877	0	6867	0	6890	0	6863	0	7099	0	6626	0	6390	0
	Karnataka	10011	0	10127	0	10432	0	10790	0	10878	0	9200	0	8867	0
	Kerala	3728	0	3671	0	3592	0	3628	0	3251	0	3512	0	3315	0
	Tamil Nadu	14149	0	14419	0	15208	0	14479	0	12494	0	9678	0	9436	0
	Pondy	378	0	380	0	365	0	375	0	342	0	272	0	287	0
ER	Bihar	4408	0	4411	0	4376	0	4319	0	4332	0	4435	0	4438	0
	DVC	3130	0	3066	0	3045	0	3071	0	3088	0	2940	0	2945	0
	Jharkhand	1398	0	1401	0	1391	103	1418	0	1448	0	1445	0	1423	0
	Odisha	3904	0	3890	0	3550	0	3910	0	3697	0	3539	0	3608	0
	West Bengal	6478	0	6725	0	6770	0	6746	0	6715	0	6189	0	5925	0
	Sikkim	119	0	106	0	98	0	107	0	98	0	89	0	83	0
NER	Arunachal Pradesh	134	1	123	1	119	2	119	1	115	3	107	1	113	1
	Assam	1473	6	1555	7	1567	6	1537	30	1511	35	1429	26	1385	22
	Manipur	179	1	207	2	207	0	207	2	215	2	205	1	183	1
	Meghalaya	333	0	355	0	326	0	351	0	319	0	306	0	282	0
	Mizoram	99	0	102	2	103	1	95	1	95	2	104	1	96	1
	Nagaland	136	0	132	1	128	3	123	2	119	3	136	1	124	1
Tripura	244	2	239	1	244	2	246	1	246	2	238	0	289	0	

## 6. Energy Consumption in States (MUs)

Region	States	09-11-2020	10-11-2020	11-11-2020	12-11-2020	13-11-2020	14-11-2020	15-11-2020
NR	Punjab	111.4	112.0	111.3	113.9	110.1	88.7	64.8
	Haryana	120.4	122.8	121.6	119.3	113.0	91.0	76.3
	Rajasthan	251.9	250.8	248.4	248.2	244.2	224.2	205.9
	Delhi	63.2	63.0	64.4	62.8	61.6	54.4	49.5
	UP	280.3	279.4	280.1	294.9	296.8	280.7	237.0
	Uttarakhand	35.8	35.1	36.8	36.4	33.9	27.0	24.5
	HP	29.5	29.4	28.8	29.5	27.4	21.4	18.4
	J&K	47.0	47.6	47.5	52.0	45.3	42.0	42.9
	Chandigarh	3.1	3.1	3.2	3.1	3.1	2.7	2.5
WR	Chhattisgarh	71.3	70.8	71.3	73.7	73.9	67.7	63.1
	Gujarat	355.2	352.1	343.7	337.8	317.4	265.9	247.5
	MP	279.8	284.4	283.7	286.5	286.1	275.8	259.6
	Maharashtra	439.1	437.8	429.4	436.2	436.1	396.8	387.7
	Goa	10.1	9.6	8.9	9.8	9.9	8.2	8.3
	DD	7.2	7.4	7.4	7.4	6.9	4.2	3.3
	DNH	18.1	18.3	18.2	18.1	17.7	12.6	12.1
	Essar steel	17.8	17.5	17.6	16.4	17.8	17.5	17.5
SR	Andhra Pradesh	170.4	170.9	173.2	163.7	157.4	157.4	152.0
	Telangana	138.9	137.8	138.9	139.9	142.4	132.5	130.0
	Karnataka	188.7	190.1	193.0	197.2	194.6	171.9	160.6
	Kerala	73.5	74.3	72.5	72.8	72.3	69.3	66.0
	Tamil Nadu	290.0	300.6	301.4	299.1	259.9	197.1	194.6
	Pondy	7.3	7.9	7.5	7.7	7.1	5.0	5.4
ER	Bihar	71.3	73.9	71.9	74.1	76.0	78.5	77.7
	DVC	62.8	63.6	63.9	63.6	65.4	64.4	62.2
	Jharkhand	24.4	24.6	25.4	25.1	25.4	26.2	26.2
	Odisha	80.0	69.9	69.8	72.9	71.2	69.6	69.4
	West Bengal	114.8	118.9	123.0	120.9	121.8	113.5	106.1
	Sikkim	1.5	1.5	1.5	1.5	1.5	1.3	1.2
NER	Arunachal Pradesh	2.1	2.1	2.1	2.1	2.2	2.2	2.1
	Assam	23.4	24.9	25.3	24.9	25.6	23.5	22.0
	Manipur	2.7	2.7	2.6	2.6	2.5	2.9	3.0
	Meghalaya	5.5	5.8	5.6	5.7	5.6	5.7	5.3
	Mizoram	1.5	1.5	1.6	1.5	1.5	1.7	1.7
	Nagaland	2.4	2.4	2.3	2.1	2.1	2.2	2.1
	Tripura	3.9	4.1	3.8	3.9	4.1	4.0	3.9
<b>ALL INDIA TOTAL</b>		<b>3406.2</b>	<b>3418.8</b>	<b>3407.5</b>	<b>3427.1</b>	<b>3339.6</b>	<b>3009.2</b>	<b>2812.2</b>

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

साप्ताहिक रिपोर्ट (09 नवंबर 2020 से 15 नवंबर 2020 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	09-11-2020	10-11-2020	11-11-2020	12-11-2020	13-11-2020	14-11-2020	15-11-2020
East to North	-91.3	-78.0	-70.3	-76.0	-81.6	-60.3	-37.6
East to West	36.8	28.8	32.1	40.6	41.1	54.4	67.0
East to South	-99.9	-95.5	-95.0	-103.9	-95.7	-85.4	-87.3
East to North-East	-5.0	-8.3	-14.6	-16.8	-17.3	-14.3	-12.3
North-East to North	-9.8	-11.8	-17.0	-17.2	-16.9	-16.8	-16.8
West to North	-204.1	-218.9	-210.9	-218.6	-212.1	-167.9	-134.0
West to South	-75.7	-66.8	-68.6	-79.3	-63.9	-34.8	-53.5

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

**साप्ताहिक रिपोर्ट (09 नवंबर 2020 से 15 नवंबर 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)
09-11-2020	16.6	693	-2.0	-272	-84	-18.3	-979	-762
10-11-2020	16.5	686	-2.4	-263	-101	-19.2	-999	-798
11-11-2020	16.2	674	-2.5	-247	-105	-19.0	-987	-793
12-11-2020	15.6	651	-2.1	-228	-86	-19.4	-1036	-810
13-11-2020	15.3	635	-1.5	-300	-61	-14.7	-813	-610
14-11-2020	14.9	621	-0.4	-155	-16	-15.3	-934	-639
15-11-2020	14.6	608	-0.3	-178	-11	-19.5	-1029	-810
<b>कुल Total</b>	<b>109.6</b>		<b>-11.1</b>			<b>-125.3</b>		

8). Major Grid Incidences (Provisional):-

Sl. No.	Region	Name of Element (Single/Manually opened)	Owner / Agency	Outage		Revised		Outage Duration		Cause (As reported)	Isolation Length(M)	Load loss(MW)	Change in per cent Grid load
				Date	Time	Date	Time	Start	End				
1	NR	Name of Element (Tripped/Manually opened)	UTTAR PRADESH	11-Nov-20	01:07	11-Nov-20	02:51	01:44		400kV Rewa Road Panel (UP) Ckt-1 & 400kV Cbrg, B-Rewa Road (UP) Ckt-1 tripped on R phase to earth fault. As per PMU, R-N fault is observed. Fault current was 1.23kA. Fault distance was 39km from Cbrg end. In antecedent condition, 400kV Rewa Road Panel (UP) Ckt-1 & 400kV Cbrg, B-Rewa Road (UP) Ckt-1 carrying 145MW & 170MW respectively.	0	0	GR-2
2	NR	1) 220 kV Dehar(BB) Gangooli(UP) (PS) Ckt-1 2) 220 kV Dehar-Gangwal (BB) Ckt-2 3) 220 kV Dehar-Gangwal (BB) Ckt-1	HIMACHAL PRADESH	11-Nov-20	07:06	11-Nov-20	09:06	02:00		220 kV Dehar(BB) Gangooli (UP) Ckt-1, 220 kV Dehar-Gangwal (BB) Ckt-1 & Ckt-2 tripped due to operation of 220kV bus bar protection at Dehar(BB)MB. As per PMU, no fault is observed. In antecedent condition, 220 kV Dehar(BB) Gangooli(UP) Ckt-1, 220 kV Dehar-Gangwal (BB) Ckt-1 & Ckt-2 carrying 64MW, 55MW & 55MW respectively.	0	50	GR-1
3	NR	1) 220 kV Tanakpur(NH) Sitarganj(UP) (PS) Ckt-1 2) 220 kV Tanakpur(NH) CBGan(UP) (PS) Ckt-1	UTTARANCHAL	15-Nov-20	12:03	15-Nov-20	15:44	03:45		220 kV Tanakpur(NH) Sitarganj(UP) (PS) Ckt-1 & 220 kV Tanakpur(NH) CBGan(UP) (PS) Ckt-1 tripped due to over voltage. At the same time Tanakpur(NH) Unit-1&2 also got tripped. As per PMU, no fault is observed. In antecedent condition, 220 kV Tanakpur(NH) Sitarganj(UP) (PS) Ckt-1, 220 kV Tanakpur(NH) CBGan(UP) (PS) Ckt-1, Tanakpur(NH) Unit-1&2 carrying 45MW, 34MW & 19MW respectively.	53	0	GR-1
4	NR	1) 765/400 kV 1500 MVA ICT 2 at Maga(PS) 2) 400 kV Rajpara-Dhuri (PS) Ckt-2 3) 400 kV Rajpara(PS) Maga(PS) (PS) Ckt-1 4) 400kV Bus 2 at Maga(PS) 5) 400 kV Kishenpur-Moga (PS) Ckt-1 6) 400 kV Rajpara TPS(PS)-Rajpara(PS) (PS) Ckt-2	PUNJAB	15-Nov-20	15:00	15-Nov-20	16:23	01:23		400 kV Naloda(PS) Maga(PS) (PS) Ckt-1 & 400 kV Kishenpur-Moga (PS) Ckt-1 tripped due to over voltage. At the same time 765/400 kV 1500 MVA ICT 2 at Maga(PS) & 400kV Bus 2 at Maga(PS) tripped due to LBB operation at MCCA end. 400 kV Rajpara-Dhuri (PS) Ckt-2 & 400 kV Rajpara TPS(PS)-Rajpara(PS) (PS) Ckt-2 also tripped at same time due to over voltage. As per PMU, no fault is observed. In antecedent condition, 400 kV Naloda(PS) Maga(PS) (PS) Ckt-1, 400 kV Kishenpur-Moga (PS) Ckt-1, 765/400 kV 1500 MVA ICT 2 at Maga(PS), 400 kV Rajpara-Dhuri (PS) Ckt-2 & 400 kV Rajpara TPS(PS)-Rajpara(PS) (PS) Ckt-2 carrying 235MW, 245MW, 420MW, 23MW & 20MW respectively.	0	0	GR-2
5	NR	1) 400 kV Moga-Hisar (PS) Ckt-3 2) 400 kV Moga-Jalandhar (PS) Ckt-2 3) 400 kV Kishenpur-Moga (PS) Ckt-2	PUNJAB	15-Nov-20	16:01	15-Nov-20	17:18	01:17		400 kV Moga-Jalandhar(PS) Ckt-2 & 400 kV Kishenpur-Moga (PS) Ckt-2 tripped due to over voltage. At the same time 400 kV Moga-Hisar (PS) Ckt-3 also tripped because it was on same dia and Bus-2 at Moga was already under tripping due to relay maloperation. As per PMU, R-N fault is observed. In antecedent condition, 400 kV Moga-Jalandhar(PS) Ckt-2, 400 kV Kishenpur-Moga (PS) Ckt-2 & 400 kV Moga-Hisar (PS) Ckt-3 carrying 318MW, 145MW & 113MW respectively.	0	0	GR-2
6	NR	1) 400/220 kV 315 MVA ICT 1 at Mathura(UP) 2) 400/220 kV 315 MVA ICT 2 at Mathura(UP)	UTTAR PRADESH	15-Nov-20	20:03	15-Nov-20	23:55	03:52		400/220 kV 315 MVA ICT-1 & ICT-2 at Mathura(UP) tripped due to over flux. At the same time 220kV Mathura-Chara Ckt-1 also got tripped. As per PMU, no fault is observed. Fault level flux was 1.65pu. In antecedent condition, 400/220 kV 315 MVA ICT-1, ICT-2 & 220kV Mathura-Chara Ckt-1 carrying 4MW, 4MW & 11MW respectively.	0	0	GR-2
7	WR	Tripping of 1. 400 kV Karad Bus 1 2. 400/220 kV Karad ICT 1 3. 400 kV Karad-Kohbar-1 4. 400 kV Karad-New Koyla 2	WR	10-Nov-20	15:46	10-Nov-20	16:53	01:07		At 400/220 kV Karad 5% 400V Lombarh line was under outage for changing CT ratio. At 15:46 hrs on 10th Nov 2020 while opening B phase CT (over 1) secondary terminals per general practice (before changing the CT ratio), reverse zone distance protection of Karad Lombarh line operated and at the same time all the elements connected to 400 kV Karad Bus 1 also tripped on busbar protection operation. As reported by MSETCL, the control cable from Lombarh bay to control room is 0.75km long and the maloperation was due to induced voltage in the control cable causing induced current in the secondary circuit.	-	-	GR-2
8	WR	Tripping of 1. 220 kV Satna(MP) Satna(PS) 3 2. 220/132 kV Satna ICT 1, 2&3	WR	14-Nov-20	21:39	14-Nov-20	22:01	00:22		At 21:39hrs on 14th Nov 2020, 132 kV side R ph. CT of 220/132 kV ICT-2 blanked at 220/132kV Satna 5% and 220/132 kV ICT-1, 2&3 tripped. At the same time, 220 kV Satna(PS) 3 line tripped at Satna(MP) end only.	-	290	GR-1
9	WR	Tripping of 1. 220 kV Khasarkheda-Butbori 2. 220 kV Khasarkheda- Khasarkheda 1 3. 220 kV Khasarkheda- Koradi 4. 220 kV Khasarkheda- Suryalakhani 5. Khasarkheda Unit-1, 1&4	WR	15-Nov-20	02:50	15-Nov-20	03:42	00:52		At 02:50hrs on 15th Nov 2020, At 220 kV Khasarkheda Power station, 220 kV side R phase busching of GT-3 blanked. This resulted in tripping of GT-3 on differential protection operation and 220 kV Bus 1 on LBB operation of GT-3 bay. As reported by MSETCL, LBB of GT-3 bay operated instantaneously even though the fault was cleared by differential protection operation.	258	-	GR-1
10	ER	220 kV Ranchi - Hata 1 & 2 220 kV Patna - Hata D/C 220/132 kV 550 MVA ICT - 3	Hata	13-Nov-20	14:36	13-Nov-20	15:01	00:27		On 13th November 2020 at 14:36 hrs, B phase CT at Hata end of 220 kV Ranchi Hata - 3 blank resulted in tripping of 220 kV Ranchi Hata - 1 and 2 from Ranchi end and 220 kV Patna - Hata D/C from Patna end. 220/132 kV 550 MVA ICT - 3 Hata also tripped at same time. 220/132 kV ICT - 1 & 2 and 220 kV Ranchi - Hata - 1 & 2 were hand tripped at Hata end after the event. As a result total power failure occurred at 220/132 kV Hata 5%.	54	240	GR-1
11	SR	1. 230kV/33kV Transformer-1 and 2 ii. 230kV TTGS line	TAMIL NADU	12-Nov-20	12:03	12-Nov-20	12:58	56 min		Complete Outage of 230kV Baran Wind Energy. Tripping incident was tripping of 230kV Baran TTGS line on operation of Ckt-3 protection at Baran end. Due to tripping of single connected line, there was complete loss of supply at 230kV Baran Wind Energy resulting in wind generation loss of 42MW.	42	0	GR-1
12	SR	1. UR2 at MAPS ii. 230kV Echul line iii. 230kV SP Koll line-1 and 2 iv. 230kV Acharappalam line	TAMIL NADU	13-Nov-20	03:09	13-Nov-20	03:40	31 min		Complete Outage of 230kV MAPS of NPCL. As per the information received, all connected lines got tripped at 230kV MAPS due to BBP operation resulting in complete loss of supply. Details are awaited.	210	0	GR-1
13	SR	i. 400kV/220kV ICT-1, 2 and 3 at Madurai ii. 230kV Puzosai iii. 230kV Thani iv. 230kV Kinnampattin v. 230kV Natlamanyakkangati vi. 230kV Nanganthayam vii. 230kV Sambatty viii. 230kV TTG ix. 230kV Sidhbarje	TAMIL NADU	16-Nov-20	13:25	16-Nov-20	14:16	51 min		Complete Outage of 230kV Chekkurani 55 of TANTANSCO. Tripping incident was failure of R phase CB limit of 230kV Chekkurani Natlamanyakkangati line at Chekkurani end. LBB of 230kV Chekkurani Natlamanyakkangati line operated at 230kV Chekkurani end resulting in the operation of Bus-1 BBP. Due to this, all connected elements of 230kV Chekkurani 55 got tripped since all the elements were connected only to Bus-1 during antecedent condition.	0	0	GR-1
14	NER	132 kV Daporji-Along line	ARUNACHAL PRADESH	12-Nov-20	10:18	12-Nov-20	12:50	02:32		Along area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Daporji- Along line. At 10:18 hrs on 12.11.2020, 132 kV Daporji- Along line tripped. Due to tripping of this element, Along area was separated from the rest of NER Grid and subsequently collapsed due to loss of this line area. Restoration Details: Power supply was extended to Along area of Arunachal Pradesh Power System by charging of 132 kV Daporji - Along at 12:50 hrs on 12.11.20	0	13	GR-1
15	NER	132 kV Lakh- Pare line	ARUNACHAL PRADESH	16-Nov-20	12:39	16-Nov-20	13:18	00:39		Capital area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Lakh- Pare line. 132 kV Pare - Itanagar line & 132 kV Itanagar-Itanagar line were under outage due to tower collapse since 12:07:20 & 132 kV Nigulul-Setapur line was kept open to control loading of 132 kV Lakh- Pare line). At 12:39 hrs on 16.11.20, 132 kV Lakh- Pare Line tripped. Due to tripping of this element, Capital area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in the area. Restoration Details: Power supply was extended to Lakh via charging 132 kV Pare - Lakh line at 13:18 hrs on 16.11.20	0	26	GR-1