



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

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 05th April 2019

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., डोंगतिह, लोअर नॉग्रह , लापलंग, शिलॉंग - 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 25th Mar 2019 to 31st Mar 2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 25 मार्च 2019 से 31 मार्च 2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 25th Mar 2019 to 31st March 2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

GM (SO)

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

साप्ताहिक रिपोर्ट (25 मार्च से 31 मार्च 2019 तक)

रिपोर्टिंग तिथि:-

1-Apr-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	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
25-03-2019	41093	629	48678		46648		20613		2306	210	159338	839
26-03-2019	41216	515	50053		47131		19254		2173	341	159827	856
27-03-2019	41407	597	49600		46904		20805		2314	193	161030	790
28-03-2019	42074	466	49826		46713		21103		2447	137	162163	603
29-03-2019	43293	500	50027		47147		20879		2576	79	163922	579
30-03-2019	41417		49952		46363		21269		2459	42	161460	42
31-03-2019	39242	563	45950		43187		19230		1752	676	149361	1239

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	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)
25-03-2019	910	141	1166	26	1113	81	412	39	43	4	3644	291
26-03-2019	917	144	1187	33	1137	87	395	39	42	4	3677	307
27-03-2019	942	139	1198	32	1126	91	410	42	40	3	3717	308
28-03-2019	944	144	1204	27	1120	92	424	41	43	4	3734	308
29-03-2019	975	165	1204	31	1129	94	439	39	44	4	3792	333
30-03-2019	979	180	1212	31	1127	89	434	48	44	3	3795	351
31-03-2019	916	180	1161	29	1063	65	420	47	31	3	3591	324

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
25-03-2019	6.01	6.35	76.11	17.53	50.00	0.035
26-03-2019	4.76	6.02	65.81	28.17	50.01	0.048
27-03-2019	6.25	7.49	72.21	20.30	50.00	0.044
28-03-2019	14.10	17.30	72.14	10.56	49.97	0.066
29-03-2019	3.41	3.73	79.19	17.08	50.00	0.032
30-03-2019	6.28	6.30	72.05	21.66	50.01	0.041
31-03-2019	0.12	0.12	62.25	37.64	50.04	0.040

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400/220 kV ICT-I at Bhuj was first time charged from 400 kV side on 28-03-2019 at 18:02 hrs.
2. 765/400 kV ICT-I at Chikaluripet was first time charged from 400 Kv side on 29-03-2019 at 19:15 hrs.
3. 765 kV Durg-Jharsuguda-I L/R from jharsuguda end was first time charged on 29-03-2019 at 23:04 hrs.
4. 765 kV Chikaluripeta Bus-I & Bus-II was first time charged on 30-03-2019 at 11:22 hrs. & 12:14 hrs.
5. 765 Kv/400 Kv ICT-2 at chikaluripeta first time charged on 30-03-2019.

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

Region	Date	25-03-2019		26-03-2019		27-03-2019		28-03-2019		29-03-2019		30-03-2019		31-03-2019	
	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	5549	0	6072	0	6131	0	6283	0	6113	0	6390	0	5694	0
	Haryana	5899	0	5951	0	5904	0	6065	0	6332	0	5681	0	5337	0
	Rajasthan	10199	0	10124	0	10299	0	10023	0	10190	0	10380	0	10292	0
	Delhi	3273	0	3370	0	3409	0	3456	0	3706	0	3602	0	3238	0
	UP	14229	0	14515	0	14527	0	14968	0	15563	0	16220	0	15758	0
	Uttarakhand	1753	0	1766	0	1755	0	1784	0	1748	0	1741	0	1626	0
	HP	1488	0	1461	0	1503	0	1410	0	1400	0	1378	0	1250	0
	J&K	2357	589	2357	589	2178	545	2245	561	2239	560	2333	583	2445	611
Chandigarh	184	0	178	0	185	0	174	0	181	0	180	0	155	0	
WR	Chhattisgarh	4142	0	4239	0	4283	0	4283	0	4365	0	4430	0	4257	0
	Gujarat	16058	0	15956	0	15927	0	16129	0	16263	0	16139	0	15416	0
	MP	9967	0	9784	0	9807	0	9949	0	9943	0	9979	0	9704	0
	Maharashtra	21716	0	22291	0	22106	0	22212	0	21687	0	21757	0	20683	0
	Goa	502	0	502	0	502	0	502	0	502	0	571	0	571	0
	DD	322	0	327	0	329	0	331	0	320	0	312	0	291	0
	DNH	794	0	781	0	789	0	789	0	780	0	786	0	757	0
	Essar steel	575	0	614	0	608	0	521	0	587	0	580	0	591	0
SR	Andhra Pradesh	8840	0	8885	0	8925	0	8977	0	8966	0	8961	0	8695	0
	Telangana	10133	0	10272	0	10194	0	10154	0	10244	0	10022	0	9618	0
	Karnataka	12600	0	12472	0	12452	0	12729	0	12881	0	12881	0	11502	0
	Kerala	4194	0	4211	0	4242	0	4132	0	4225	0	4104	0	4008	0
	Tamil Nadu	16129	0	15879	0	15536	0	15325	0	15924	0	15568	0	14529	0
	Pondy	399	0	396	0	406	0	398	0	400	0	409	0	367	0
ER	Bihar	4344	0	3940	0	4203	0	4426	0	4583	0	4639	0	4419	0
	DVC	3177	0	3203	0	3213	0	3276	0	3288	0	3235	0	3162	0
	Jharkhand	1233	0	1054	0	1185	0	1209	0	1150	0	1150	0	1000	0
	Odisha	4433	0	4805	0	4882	0	4255	0	4511	0	4575	0	4156	0
	West Bengal	8029	0	7174	0	7924	0	8498	0	8379	0	8333	0	7585	0
Sikkim	100	0	95	0	94	0	100	0	100	0	93	0	73	0	
NER	Arunachal Pradesh	102	2	105	2	114	3	121	3	130	2	123	2	118	3
	Assam	1464	34	1230	45	1338	141	1444	64	1523	23	1483	29	948	48
	Manipur	180	3	178	2	170	2	178	2	173	1	182	3	179	12
	Meghalaya	341	0	307	0	339	0	334	12	353	19	308	0	325	8
	Mizoram	92	1	95	3	94	2	96	2	92	1	93	1	83	6
	Nagaland	115	2	130	2	121	4	128	4	126	2	126	2	133	4
	Tripura	243	1	239	5	218	6	248	1	263	0	251	0	226	16

6. Energy Consumption in States (MUs)

Region	States	25-03-2019	26-03-2019	27-03-2019	28-03-2019	29-03-2019	30-03-2019	31-03-2019
NR	Punjab	118.3	123.5	126.9	129.8	131.5	130.8	121.4
	Haryana	117.7	123.4	124.6	126.3	129.4	127.6	113.9
	Rajasthan	209.5	216.3	215.4	214.8	222.9	220.4	217.5
	Delhi	61.7	64.3	65.9	67.4	71.8	73.9	69.1
	UP	291.7	279.4	297.6	308.6	317.9	320.0	292.2
	Uttarakhand	35.2	35.2	35.8	24.0	36.9	36.8	34.1
	HP	26.9	26.2	26.7	25.5	25.6	25.1	23.1
	J&K	45.8	45.1	46.1	44.4	36.0	41.9	41.6
	Chandigarh	3.1	3.1	3.2	3.2	3.4	3.4	3.0
WR	Chhattisgarh	94.2	96.0	98.1	97.2	97.6	102.9	97.8
	Gujarat	351.5	355.6	357.6	364.6	366.5	366.4	350.5
	MP	199.3	200.8	203.1	204.8	205.8	208.4	202.5
	Maharashtra	471.3	484.0	489.6	487.7	483.3	484.0	462.0
	Goa	12.4	12.4	12.4	12.4	12.4	12.4	12.4
	DD	7.3	7.4	7.5	7.5	7.2	7.2	6.7
	DNH	18.3	18.2	18.4	18.5	18.3	18.3	17.7
	Essar steel	11.6	12.4	11.7	11.0	12.7	12.3	11.7
SR	Andhra Pradesh	197.7	197.6	198.1	198.8	199.6	200.4	196.7
	Telangana	223.9	229.2	226.8	225.6	227.8	229.1	219.1
	Karnataka	252.5	273.3	256.3	254.3	255.8	253.5	232.7
	Kerala	84.7	86.3	86.4	86.7	86.5	85.9	79.3
	Tamil Nadu	345.9	341.9	350.1	346.0	351.1	349.3	327.0
	Pondy	8.5	8.4	8.4	8.5	8.4	8.4	7.8
ER	Bihar	79.5	62.1	72.8	78.7	81.5	84.1	85.1
	DVC	67.1	64.7	67.6	68.9	69.3	69.0	68.2
	Jharkhand	24.7	23.1	23.9	23.8	23.8	23.8	24.0
	Odisha	87.1	98.4	98.7	90.5	90.8	91.3	83.1
	West Bengal	152.1	145.2	145.8	160.1	172.7	164.2	158.4
	Sikkim	1.3	1.5	1.5	1.4	1.3	1.3	0.8
NER	Arunachal Pradesh	2.0	2.2	2.0	2.1	2.3	2.3	1.8
	Assam	24.8	23.2	22.7	24.6	25.8	25.6	15.2
	Manipur	2.1	2.3	2.4	2.5	2.4	2.5	2.0
	Meghalaya	5.7	5.5	5.6	5.7	6.0	5.6	5.4
	Mizoram	1.7	1.9	1.9	1.9	1.6	1.6	1.4
	Nagaland	2.7	2.7	2.1	2.2	2.1	2.3	1.8
	Tripura	3.9	3.8	3.8	3.9	4.1	4.2	3.8
ALL INDIA TOTAL		3643.5	3676.6	3717.3	3734.0	3791.8	3796.0	3590.9

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

साप्ताहिक रिपोर्ट (25 मार्च से 31 मार्च 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	25-03-2019	26-03-2019	27-03-2019	28-03-2019	29-03-2019	30-03-2019	31-03-2019
East to North	-59.8	-62.7	-61.7	-51.9	-50.7	-46.7	-46.1
East to West	43.2	44.3	38.1	34.6	32.5	37.0	47.9
East to South	-106.4	-102.7	-104.3	-105.2	-101.0	-101.8	-99.7
East to North-East	7.4	4.8	5.8	2.3	1.2	6.1	12.9
North-East to North	9.4	8.6	8.6	7.8	6.4	14.2	13.2
West to North	-140.0	-132.0	-118.8	-114.8	-108.6	-95.3	-90.5
West to South	-103.1	-102.2	-105.6	-113.3	-106.1	-100.1	-104.7

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

साप्ताहिक रिपोर्ट (25 मार्च से 31 मार्च 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)
25-03-2019	1.8	73	-10.2	-512	-427	-23.5	-1140	-978
26-03-2019	4.4	181	-8.6	-536	-360	-21.6	-1007	-901
27-03-2019	4.1	170	-9.6	-569	-398	-23.2	-1028	-968
28-03-2019	2.0	82	-11.6	-627	-481	-23.6	-1133	-983
29-03-2019	2.2	91	-11.7	-614	-486	-21.6	-1028	-900
30-03-2019	4.1	173	-8.9	-484	-369	-22.9	-1107	-954
31-03-2019	5.8	240	-8.8	-509	-367	-19.1	-1008	-797
कुल Total	24.2		-69.3			-155.6		

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					
1	NR	1) 400kV Allahabad(PG)-Meza TPS(UP) ckt-1 2) 400kV Meza TPS(UP)-Masoli(UP)	UP & POWERGRID	26-03-2019	6:36	26-03-2019	07:40:00	01:04:00	400kV Khedar-Kirori D/C tripped simultaneously. As per PMU data, Y-N fault occurred.	Nil	Nil	GI-2
2	NR	1) 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-1 2) 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-2	Rajasthan	28-03-2019	13:14	28-03-2019	14:20:00	01:06:00	400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-1 tripped on B-N fault, 40km from Akal end. At the same time, 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-2 also tripped due to DT received at Kankani end. As per PMU, B-N fault with no auto-reclosing attempt is observed. In antecedent conditions, 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-1 & 2 carrying 102 MW & 104 MW respectively.	Nil	Nil	GI-2
3	NR	1) 315 MVA ICT 1 at 400/220kV Gurgaon(PG) 2) 315 MVA ICT 2 at 400/220kV Gurgaon(PG) 3) 220kV Gurgaon sec 72 (HVPNL) - Gurgaon (PG) ckt-1,2,3,4	Haryana & POWERGRID	30-03-2019	0:38	30-03-2019	01:45:00	01:07:00	220 KV feeders of sect-72 Gurgaon ckt.1,2,3,4 tripped from Gurgaon(PG), due to bus-bar protection operated at Gurgaon Sect-72(HVPNL). 315 MVA ICT-1&2 at Gurgaon(PG) also tripped along with the 220 KV feeders. As reported by SLDC,Haryana due to CT blast of the 220 KV sec72-sec52 ckt. lines tripped on Z1, B-phase causing tripping of all 220 KV lines and 03 nos. of 100 MVA ICTs at 220kV Gurgaon Sect-72(HVPNL). As per PMU, Multiple dip in phase voltage of all three phases at different time is observed. In antecedent conditions, 315 MVA ICT 1 & ICT 2 at 400/220kV Gurgaon(PG) carrying 71 MW & 66 MW respectively.	Nil	350	GD-1
4	NR	1) 220kV Dhauliganga(NHPC)-Pithoragarh(PG) 2) 220kV Bareilly(UP)-Dhauliganga(NHPC) 3) 70 MW Unit#1 at 220kV Dhauliganga(NHPC)	NHPC, UP & POWERGRID	30-03-2019	14:52	30-03-2019	15:50:00	00:58:00	220kV Bus 2 at 220kV Dhauliganga(NHPC) tripped due to operation of bus bar protection. As per PMU, No fault is observed in the system. In antecedent conditions, Unit#1 at 220kV Dhauliganga(NHPC) generating 70MW.	70	Nil	GD-1
5	NR	1) 800kV HVDC Champa(WR) - Kurukshetra(NR) ckt-1 2) 800kV HVDC Champa(WR) - Kurukshetra(NR) ckt-2	POWERGRID	30-03-2019	16:33	30-03-2019	18:53:00	02:20:00	800kV HVDC Champa(WR) - Kurukshetra(NR) ckt-1 & 2 tripped due to operation of earth over current protection. As per PMU, Voltage dip in all three phases is observed. In antecedent conditions, 800kV HVDC Champa(WR) - Kurukshetra(NR) ckt-1 & 2 carrying 225 MW each.	Nil	Nil	GI-2
6	NR	1) 400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-1 2) 400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-2	POWERGRID & Haryana	30-03-2019	18:00	30-03-2019	21:20:00	03:20:00	400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-1 & 2 tripped at 1800Hrs. As per PMU, Multiple B-N faults observed in the system. In antecedent conditions, 400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-1 & 2 carrying 235 MW each.	Nil	Nil	GI-2
7	NR	1) 220kV Bus 2 at 400/220kV Bhiwadi(PG) 2) 315 MVA ICT 2 at 400/220kV Bhiwadi(PG) 3) 315 MVA ICT 3 at 400/220kV Bhiwadi(PG) 4) 220kV Bhiwadi(PG)-Kushkhera(RVPNL) 5) 220kV Bhiwadi (PG) - Mau (HVPNL) 6) 220kV Bhiwadi(PG)-Bhiwadi(RVPNL) ckt-2 7) 220kV Bhiwadi(PG)-Rewari(HVPNL) ckt-2	POWERGRID, Rajasthan & Haryana	30-03-2019	18:09	30-03-2019	19:41:00	01:32:00	220kV 220kV Bus 2 at 400/220kV Bhiwadi(PG) and associated elements tripped due to inclement weather. As per PMU, B-N fault is observed in the system. In antecedent conditions, 315 MVA ICT 2 & ICT 3 at 400/220kV Bhiwadi(PG) carrying 114 MW & 107 MW respectively.	Nil	Nil	GI-2
8	WR	Tripping of 1.400/220 kV 600 MVA Padghe ICT 4 2.400 kV Padghe-Boisar 3.220 kV Padghe-Themgar D/C 4.220 kV Padghe-Wada 5.220 kV Padghe-Kamba 2 6.220 kV Padghe-Jindal	MSETCL	28-03-2019	15:21:00	28-03-2019	16:06:00	00:45:00	At 400/220 kV Padghe s/s, 220 kV Themgar 2, Y phase Coupling capacitor blasted resulting in tripping of 400/220 kV Padghe ICT4, 400 kV Padghe-Boisar and 220 kV lines. Eventhough the Bus coupler and Bus sectionaliser opened, the elements connected to the other Bus tripped , may be due to the smoke and fumes created during the blasting of the capacitor.	Nil	Nil	GI-1
9	WR	Tripping of 1. ± 800 kV HVDC Champa-Kurukshetra Pole 1 2. ± 800 kV HVDC Champa-Kurukshetra Pole 2	PGCIL	30-03-2019	16:33:00	30-03-2019	18:53:00	02:20:00	± 800 kV HVDC Champa-Kurukshetra Bi-Pole blocked on Earth over current protection operation at Kurukshetra end.	Nil	Nil	GI-2

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				
10	WR	Tripping of 1. 765 kV Gwalior Bus 2	PGCIL	30-03-2019	10:34:00	30-03-2019	14:18:00	03:44:00	765 kV Gwalior Bus 2 tripped on Bus bar protection operation due to the foreign material which came near the Induction zone. All the elements connected Via tie bay to 765 kV Bus 1.	Nil	Nil	GI-2
11	ER	1. 400 kV bus I at Binaguri 2. 400 kV Binaguri - Purnea D/C	ISTS	27-03-2019	12:42:00	27-03-2019	13:37:00	00:55:00	400 kV Alipurduar - Binaguri - II tripped at 11:34 hrs on B-N fault. This line was charged at 12:42 hrs from Alipurduar end. While closing breaker at Binaguri end, all main breakers connected to bus I tripped. 400 kV Purnea - Binaguri D/C also tripped at this event.	0	0	GI-II
12	SR	All connected elements tripped viz. 1. 220kV Chinakampalli - Kalikiri 2. 220kV Chinakampalli - Rajampet 3. 220kV Chinakampalli - Muddanur 1&2 4. 220kV Chinakampalli - Renigunta 5. 400/220kV Cuddapah (Chinakampalli) ICT-1,2&3	Andhra Pradesh	25-03-2019	04:13:00	25-03-2019	04:38:00	00:25:00	Complete outage of 220kV/132kV Chinakampalli Substation of APTRANSCO: Triggering incident was failure of B-ph CT of Bus Coupler at 220kV Chinakampalli SS. Bus bar protection of Bus-1 and Bus-2 operated resulting in the tripping of all the connected elements at 220kV Chinakampalli SS. 400kV/220kV ICT#1, 2 and 3 at Cuddapah also got tripped during this event.	----	285 MW	GD-1
13	NER	132 kV Sarusajai - Kahilipara 1,2,3 &4 lines	AEGCL	31-03-2019	12:07:00	31-03-2019	13:25:00	01:18:00	Capital Area of Assam Power System and Motonga area of Bhutan Power System were connected with the rest of the NER grid through 132 kV Sarusajai - Kahilipara 1,2,3 &4 lines. 132 kV Kahilipara- Narengi line and 132 kV Dispur - CTPS line were kept open to control overloading of 3x100 MVA ICTs at Sarusajai substation. 132 kV Rangia-Bornagar line and 132 kV Rangia-Nalbari line kept open due to voltage dip issue and over loading of 220/132 kV BTPS ICT 1 & 2. 132 kV Rangia - Sipajhar line & 132 kV Rangia- Rowta line were kept open due to voltage dip issue. 132 kV Sarusajai - Kamakhya line was under shutdown from 07:14 Hrs on 31.03.19 for AMP. At 12:07 Hrs on 31.03.2019, 132 kV Sarusajai - Kahilipara 1,2,3 &4 lines tripped. Due to tripping of these elements, Capital Area of Assam Power System and Motonga area of Bhutan Power System were separated from the rest of the NER grid and subsequently collapsed due to no source in these areas.	0	110	GD-1