



National Load Despatch Centre
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)

CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref:POSOCO/NLDC/SO/Weekly Report

Date: 8th June 2018

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. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 28th May to 3rd June 2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 28 मई से 3 जून 2018, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट 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 28th May to 3rd June 2018, is available at the NLDC website.

Thanking you,

Yours faithfully,

DGM (SO)

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (28 मई से 03 जून 2018 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 8-Jun-18

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	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)
28-05-2018	53441	1000	49057	59	40385		19476		2478	173	164837	1232
29-05-2018	51455	426	49195	36	40714		20904		2470	172	164739	634
30-05-2018	51848	816	48645	162	41213		21124		2544	118	165374	1095
31-05-2018	53325	1262	47940	1316	38779		19566		2523	95	162132	2673
01-06-2018	44888	597	45922	70	40027		17771		2466	141	151073	808
02-06-2018	49738	869	44957	52	38083		19602		2542	119	154923	1040
03-06-2018	49026	866	43879	96	34664		19404		2521	76	149493	1038

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)
	28-05-2018	1249	211	1207	25	895	46	435	86	43	24	3829
29-05-2018	1258	197	1208	18	909	40	426	76	43	23	3843	354
30-05-2018	1214	215	1207	18	926	45	452	80	45	21	3844	379
31-05-2018	1258	235	1193	29	922	54	445	67	45	18	3862	404
01-06-2018	1199	256	1158	26	916	55	407	66	47	18	3727	421
02-06-2018	1074	277	1123	16	855	41	415	72	47	18	3515	424
03-06-2018	1158	291	1061	7	799	28	436	76	47	18	3500	421

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
28-05-2018	21.50	25.21	71.40	3.39	49.94	0.083
29-05-2018	4.35	4.79	87.26	7.95	49.98	0.029
30-05-2018	23.96	27.64	63.54	8.82	49.95	0.091
31-05-2018	33.14	42.01	56.74	1.25	49.91	0.140
01-06-2018	4.06	5.43	73.16	21.41	50.00	0.041
02-06-2018	2.52	2.52	82.70	14.78	50.00	0.023
03-06-2018	2.52	2.74	75.03	22.22	50.01	0.037

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 765 kV New Parli-Warora-I & II were first time charged on 02.06.18 at 1405 hrs & 1900 hrs respectively

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

Region	Date	28-05-2018		29-05-2018		30-05-2018		31-05-2018		01-06-2018		02-06-2018		03-06-2018	
	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	8485	0	8395	0	8726	0	8574	0	8822	0	7933	0	8238	0
	Haryana	7887	8	8112	63	8153	330	8140	75	8158	75	7538	66	7743	0
	Rajasthan	10810	10	11120	0	10877	0	10628	33	10947	0	11254	0	11128	0
	Delhi	6149	0	6254	0	6343	10	6346	0	6570	0	5686	0	5833	0
	UP	19284	0	18419	0	18846	370	18514	0	18357	0	16124	360	17739	0
	Uttarakhand	2002	35	1945	150	2047	0	2077	0	1951	0	1956	0	1884	0
	HP	1386	0	1376	0	1394	6	1368	0	1391	0	1248	0	1224	0
	J&K	1907	477	1751	309	1837	459	1863	466	1852	463	2036	509	1856	464
Chandigarh	323	0	350	0	336	0	345	0	346	0	257	0	310	0	
WR	Chhattisgarh	3793	0	3640	0	3606	0	3445	0	3421	0	3390	0	3219	0
	Gujarat	16811	0	16548	0	16427	0	15974	974	16640	0	16750	0	15164	0
	MP	9010	0	9058	0	8757	0	8707	0	8530	0	8420	0	8200	0
	Maharashtra	23706	0	23264	0	23755	0	23749	0	22193	0	21271	56	20003	0
	Goa	498	0	485	0	482	0	482	0	482	0	484	0	416	0
	DD	334	0	322	0	340	0	348	0	343	0	338	0	311	0
	DNH	739	0	773	0	777	0	782	0	755	0	772	0	753	0
	Essar steel	389	0	397	0	402	0	408	0	385	0	339	0	374	0
SR	Andhra Pradesh	8812	0	9249	0	9185	0	8935	0	8618	0	7560	0	7502	0
	Telangana	7376	0	7565	0	7752	0	7542	0	7206	0	6740	0	6301	0
	Karnataka	8482	0	7635	0	8075	0	8035	0	8120	0	7581	0	6841	0
	Kerala	3062	0	3267	0	3469	0	3535	0	3602	0	3459	0	3072	0
	Tamil Nadu	14167	0	14984	0	15089	0	15122	0	14438	0	13742	0	11937	0
	Pondy	376	0	394	0	359	0	395	0	381	0	381	0	347	0
ER	Bihar	4451	0	4624	0	4848	0	4716	0	4553	0	4699	0	4767	0
	DVC	2921	0	3188	0	3155	0	3095	0	3055	0	3100	0	3079	0
	Jharkhand	938	0	1104	0	1073	0	1012	0	985	0	940	0	1141	0
	Odisha	4615	0	4418	0	4739	0	4699	0	4567	0	4397	0	4571	0
	West Bengal	8086	0	8265	0	8676	0	8570	0	7807	0	8108	0	8113	0
	Sikkim	82	0	77	0	83	0	87	0	88	0	80	0	70	0
NER	Arunachal Pradesh	108	2	116	7	123	2	109	8	116	2	120	2	105	3
	Assam	1543	114	1504	123	1608	78	1655	31	1605	98	1625	66	1633	21
	Manipur	172	1	158	5	165	4	142	16	158	2	155	3	141	4
	Meghalaya	268	0	299	0	296	4	290	11	297	0	295	0	268	0
	Mizoram	88	4	87	3	83	2	81	3	88	2	90	1	76	1
	Nagaland	103	2	121	6	107	7	115	2	114	2	116	2	106	4
	Tripura	271	0	247	4	262	14	231	20	223	6	252	4	256	0

6. Energy Consumption in States (MUs)

Region	States	28-05-2018	29-05-2018	30-05-2018	31-05-2018	01-06-2018	02-06-2018	03-06-2018
NR	Punjab	188.7	189.2	189.6	193.2	177.6	164.1	176.8
	Haryana	167.5	180.9	174.2	180.2	161.1	143.5	160.2
	Rajasthan	231.3	242.6	230.2	232.2	244.9	242.6	242.4
	Delhi	125.1	128.4	128.5	129.8	130.3	118.3	111.8
	UP	423.4	403.5	382.2	400.9	380.9	302.2	359.5
	Uttarakhand	42.5	42.1	42.0	45.3	38.8	35.1	39.6
	HP	26.7	27.2	28.2	32.2	23.8	23.7	23.7
	J&K	38.0	37.9	32.5	37.3	36.0	39.2	38.7
	Chandigarh	6.3	6.5	6.5	6.7	5.9	5.3	5.2
WR	Chhattisgarh	88.0	87.6	84.9	77.1	82.2	75.6	73.9
	Gujarat	368.0	364.2	360.3	362.7	367.8	363.0	331.9
	MP	197.7	201.6	200.0	196.5	191.8	180.2	171.3
	Maharashtra	511.1	511.6	517.3	514.3	472.5	461.9	443.3
	Goa	10.8	10.8	10.9	10.9	10.9	10.5	8.6
	DD	7.5	5.8	7.6	4.9	7.7	7.6	7.1
	DNH	15.4	18.1	18.3	18.3	17.6	18.0	17.9
	Essar steel	7.9	8.0	7.5	8.0	7.1	6.6	7.0
SR	Andhra Pradesh	184.1	188.6	188.2	179.7	179.3	162.6	160.0
	Telangana	159.6	163.6	162.7	154.2	152.8	143.5	138.0
	Karnataka	172.2	170.2	172.7	173.6	171.4	157.4	146.7
	Kerala	64.6	63.1	67.0	69.7	71.5	70.8	62.0
	Tamil Nadu	306.8	315.3	328.1	335.9	332.5	312.8	284.8
	Pondy	8.2	8.4	7.9	8.4	8.4	8.2	7.2
ER	Bihar	82.5	79.4	86.8	83.7	72.4	86.0	91.3
	DVC	68.6	70.7	73.2	73.4	68.5	70.2	70.2
	Jharkhand	19.6	18.4	18.4	21.6	20.5	20.9	21.7
	Odisha	94.2	92.1	95.4	88.9	95.0	90.5	91.8
	West Bengal	169.4	164.7	177.3	175.8	149.8	146.4	159.0
	Sikkim	0.5	0.4	0.9	1.2	1.3	1.2	1.5
NER	Arunachal Pradesh	2.5	2.2	2.3	2.2	2.3	1.9	2.1
	Assam	25.0	25.3	27.2	28.4	29.6	29.9	29.9
	Manipur	2.3	2.2	2.1	2.0	2.3	2.3	2.3
	Meghalaya	4.7	5.2	5.8	4.9	4.9	4.9	4.8
	Mizoram	1.6	1.8	1.7	1.7	1.5	1.2	1.6
	Nagaland	2.1	2.1	1.9	2.1	2.0	2.0	2.0
	Tripura	4.6	3.9	4.1	4.2	4.1	4.6	4.3
ALL INDIA TOTAL		3829.0	3843.2	3844.3	3862.2	3727.1	3514.7	3500.0

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

साप्ताहिक रिपोर्ट (28 मई से 03 जून 2018 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	28-05-2018	29-05-2018	30-05-2018	31-05-2018	01-06-2018	02-06-2018	03-06-2018
East to North	-81.1	-78.8	-78.8	-65.4	-59.6	-72.3	-65.5
East to West	31.1	47.3	40.4	16.9	27.2	42.2	47.4
East to South	-71.2	-68.8	-68.1	-55.1	-53.3	-71.3	-59.4
East to North-East	0.1	0.9	-5.4	-1.8	-11.9	-14.4	-14.0
North-East to North	-11.9	-12.0	-12.1	-5.3	-12.0	-12.1	-11.3
West to North	-177.8	-183.0	-169.3	-17.7	-154.5	-124.3	-144.4
West to South	-12.6	-2.3	11.0	-6.3	-1.8	-0.3	-6.8

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (28 मई से 03 जून 2018 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 (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)
28-05-2018	15.5	648	-8.2	-403	-343	-15.6	-677	-649
29-05-2018	11.6	485	-7.4	-411	-307	-15.2	-680	-631
30-05-2018	11.8	492	-10.6	-491	-441	-15.6	-681	-650
31-05-2018	8.4	350	-10.2	-530	-426	-14.5	-663	-603
01-06-2018	9.9	413	-8.4	-277	-349	-15.0	-681	-627
02-06-2018	12.3	512	-8.0	-263	-334	-13.6	-672	-568
03-06-2018	11.4	477	-9.1	-444	-379	-15.2	-665	-634
कुल Total	81.0		-61.9			-104.7		

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	1) 220 kV Bairasiul(NHPC)-Jassor(HP) 2) 220kV Jasor(HP)-Pong(BBMB)	BBMB/ HP/ NHPC	28-05-2018	14:09	28-05-2018	14:35	0:26	B-N fault occurred on 220 kV Bairasiul(NHPC)-Jassor(HP) & Y-N fault occurred on 220kV Jassor(HP)-Pong(BBMB) resulted in tripping of both lines. As per PMU, B-N fault followed by Y-N fault observed.	Nil	Nil	GI-1
2	NR	1) 400 kV Obra(UP)-Rewa Road(UP) 2) 400 kV Obra(UP)-Sultanpur(UP) 3) Unit #9 at Obra TPS(UP) 4) Unit #10 at Obra TPS(UP) 5) Unit #11 at Obra TPS(UP) 6) Unit #1 at Anpara TPS(UP) 7) Unit #3 at Anpara TPS(UP)	UP	28-05-2018	22:25	29-05-2018	00:20	1:55	At 21:28hrs 400kV Aapara-Obra line tripped on R-phase to earth fault. All three phase of the line tripped from Anpara end however Y&B-phase stucked at Obra end. At 22:25hrs, on the instruction of Obra end, Anpara end isolator for 400kV Anpara-Obra line opened and earth swtich closed. It resulted into Y&B-phase to earth fault as dead short ckt at Anpara TPS. It resulted into widespread fire in 400kV Bay of Anpara-Obra line at Anpara end and operation of bus bar protection. Breaker at Onra end didn't open till now. Finally at Obra end also all the connected 400kV elements tripped along with running units of Obra TPS. (Multiple elment tripping occurred at Obra and Anpara TPS on bus bar protection).	850	250	GD-1
3	NR	1) 400 kV Chamera II(NHPC)-Chamera pool(PG) 2) 400 kV Chamera II(NHPC)-Kishenpur(PG) 3) Unit#1 at 400kV Chamera II(NHPC) 4) 400kV Bus.2 at Chamera II(NHPC)	NHPC/ POWERGRID	29-05-2018	10:06	29-05-2018	17:39	7:33	Bus Bar -2 Protection Operated at 400kV Chamera II(NHPC) leading to tripping of Unit#1 at 400kV Chamera II(NHPC), 400 kV Chamera II(NHPC)-Chamera pool(PG) & 400 kV Chamera II(NHPC)-Kishenpur(PG) carrying 12 MW & 33 MW respectively. As per PMU, fluctuation observed in phase voltages.	100	Nil	GD-1
4	NR	1) Unit#1 at 400 kV Dulhasti HEP(NHPC) 2) Unit#2 at 400 kV Dulhasti HEP(NHPC) 3) Unit#3 at 400 kV Dulhasti HEP(NHPC) 4) 400kV Kishenpur (PG)-Dulhasti (NHPC) ckt-1	NHPC/ POWERGRID	29-05-2018	13:14	29-05-2018	13:30	0:16	Unit#1, Unit#2 & Unit#3 at 400 kV Dulhasti HEP(NHPC) tripped on over speed relay operation suspectedly due to evacuation constraint. As per PMU, fluctuations observed in the phase voltages.	380	Nil	GD-1
5	NR	1) 400kV Kala Amb(PKATL)-Karcham wangtoo(HBPCL)-1 2) 400 kV Abdullapur(PG)-Kala Amb(PKATL) ckt-1 3) 400 kV Abdullapur(PG)-Kala Amb(PKATL) ckt-2	PKATL/ JSW/ HP/ POWERGRID	29-05-2018	13:30	29-05-2018	13:55	0:25	400kV Kala Amb(PKATL)-Karcham(HBPCL) 1 tripped on Y-B fault, at the same time 400 kV Abdullapur(PG)-Kala Amb(PKATL) 1 & 2 also tripped.	Nil	Nil	GI-2
6	NR	1) 400kV Koldam(NTPC)-Parbati Pool(PG) 2) 400 kV Nallagarh(PG)-Parbati Pool(PG)	PKTCL/NTPC / POWERGRID	29-05-2018	15:49	29-05-2018	15:59	0:10	As reported, 400kV Koldam(NTPC)-Parbati Pool(PG) & 400 kV Nallagarh(PG)-Parbati Pool(PG) tripped on R-N fault. As per PMU, R-N fault observed with no auto-reclosing.	Nil	Nil	GI-2
7	NR	1) Unit #1 at Tehri HPS 2) Unit #2 at Tehri HPS 3) Unit #4 at Tehri HPS 4) 400kV Koteswar(THDC)-Koteswar pool(PG) ckt-1 5) 400kV Tehri(THDC)-Koteswar pool(PG) ckt-1 6) 400kV Tehri(THDC)-Koteswar pool(PG) ckt-2	THDC/ POWERGRID	29-05-2018	19:18	29-05-2018	19:31	0:13	Due to LBB operation at 400 kV Tehri-HPS, Unit#1, Unit#2 & Unit#4 at Tehri HPS tripped(Generation loss=390 MW). At 1916 Hrs Koteswar-Koteswar pool 1 tripped leadning to generation loss of 200 MW at Koteswar. As per PMU, fluctuations observed in the phsae voltages.	590	Nil	GD-1

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				
8	NR	1) 400 kV Anpara(UP)-Singrauli(NTPC) ckt 2) 400 kV Lucknow(UP)-Singrauli(NTPC) ckt 3) 400 kV Allahabad(PG)-Singrauli(NTPC) ckt-1	UP/ NTPC/ POWERGRID	30-05-2018	19:40	30-05-2018	19:59	0:19	R-N fault occurred. 400kV Anpara-Singrauli and 400kV Lucknow-Singrauli & 400kV Allahabad-Singrauli ckt-1 tripped. At 19:50hrs, 400kV Allahabad-Singrauli also tripped on B-N fault.	Nil	Nil	GI-2
9	NR	1) 400kV Parbati(2) (NHPC) - Sainj (HPPCL) ckt-1 2) 400kV Parbati pool (PG) - Parbati(2)(NHPC) ckt	HP/ NHPC/ POWERGRID	31-05-2018	20:01	31-05-2018	20:46	0:45	R-N fault occurred. 400kV Parbati pool (PG) - Parbati(2) HEP(NHPC) and 400 kV Parbati(2) HEP(NHPC) - Sainj HEP(HPPCL) ckt-1 tripped.	Nil	Nil	GI-2
10	WR	Tripping of 1.400/220 kV 315 MVA ICT 1 2.400/220 kV 500 MVA ICT 2 3.400 kV Itarsi-Bhopal 2 4.220 kV Itarsi-Hosangabad 2 5.220 kV Itarsi-Itarsi(MP) D/C	PGCIL	31-05-2018	15:05	31-05-2018	16:11	1:06	400 kV 125 MVAR Itarsi BR 1&2 were opened on Voltage regulation at 15:05 Hrs. At the same time all the 220 kV elements tripped along with the 400 kV Itarsi-Bhopal 2.	Nil	Nil	GI-2
11	SR	1. 220kV Villianur- Neyveli 2. 220kV Villianur - Pondicherry	PONDICHER RY	30-05-2018	08:40	30-05-2018	09:49	1 hr 9 mins	Complete outage of 220kV Villianur station: Triggering incident was failure of R-Phase CT of 230kV/110kV of ICT -2 at 230kV Villianur station. 230 kV Neyveli - Villanur and 230kV Pandy - Villianur lines tripped from Neyveli end and Pondicherry end respectively. This led to loss of supply to 230kV Villianur station. Fault was observed to have got cleared in 350msecs approximately.	---	130	GD-1
12	ERLDC	220 kV Gaya - Bodhgaya D/C from PG end only	BSPTCL	28-05-2018	21:41	28-05-2018	22:01	0:20	220 KV Gaya Bodhgaya d/c tripped from Gaya(PG) end only on 3-Ph Fault, zone III . Actually fault was in 220 KV Bodhgaya-Khizersarai-I line. During anti-theft charging of the said line 220 KV Gaya Bodhgaya d/c tripped from Gaya(PG) end. Fault was not cleared by Boghgaya.	0	205	GD-I
13	ERLDC	400KV MAIN BUS-I AT MALDA(PG) 400KV MAIN BUS-II AT MALDA(PG) 400KV MALDA(PG)-NEW PURNEA-I 400KV FSTPP-MALDA(PG)-I 400KV FSTPP-MALDA(PG)-II 315MVA ICT-3 AT MALDA(PG) 315MVA ICT-5 AT MALDA(PG) 220KV KISHANGANJ-DALKHOLA (PG)-I 220KV KISHANGANJ-DALKHOLA (PG)-II 220KV NEW PURNEA-PURNEA-I 220KV NEW PURNEA-PURNEA-II B/C at Dalkhola	WBSETCL & BSPTCL	28-05-2018	19:04	28-05-2018	19:48	0:44	At 19:04 hrs R-N fault took place in 400 KV Malda-Purnea-2 line and during A/R attempt Bus bar protection operated at Malda 400 KV and all the element tripped. Then Dalkhola B/C tripped in O/C and 220 kV Purnea-Purnea D/C and 220 kV Kishanganj-Dalkhola D/C tripped in DEF leading to wide spread blackout at Malda,Dalkhola and Purnea	0	410	GD-I
14	ERLDC	220 kV Ranchi - Hatia D/C 220 kV Hatia - Patratu D/c	ISTS	30-05-2018	18:22	31-05-2018	00:00	5:38	220 kV Ranchi - Hatia D/C tripped in R-B fault at 18:22 hrs. At same time 220 kV Hatia - Patratu D/C tripped on overreaching the fault resulting interruption of power at 220/132 kV Hatia S/S and its surrounding areas	0	60	GD-I
15	ERLDC	400 kV Sasaram - Daltongunj D/C	ISTS	31-05-2018	18:43	01-06-2018	00:00	5:17	Total power failure occurred at Daltongunj after tripping of 400 kV Sasaram - Daltongunj D/C at 18:43 hrs on R-N and B-N fault respectively.	0	30	GD-I