

# 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: 24<sup>th</sup>Jul 2020

То

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 12th July 2020 to 18th July-2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 12 जुलाई -2020 से 18 जुलाई-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ 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 12<sup>th</sup>July 2020 to 18<sup>th</sup> July-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr.DGM (SO)

Follow.

### WEEKLY REPORT 12-Jul-2020 - 18-Jul-2020

(आई॰ ई॰ जी॰ सी॰ की धारा संख्या-5 . 5 . 1 के अंतर्गत) 1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे॰वा॰)

REGION	NR		WR		SR		ER		NER		TOTAL	
Date	अधिकतम मांग आपूर्त	आधिकतम कमी	अधिकतम मांग आपूर्त	आधकितम कमी	अधिकतम मांग आपूर्त	आधकितम कमी	अधिकतम मांग आपूर्त	आधकितम कमी	अधिकतम मांग आपूर्ता	आधकितम कमी	अधिकतम मांग आपूर्त	आधकितम कमी
2	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)
12-07-20	48437 448		39388	0	32179	0	19787	0	2427	247	142,218.0	695.0
13-07-20	55728	1537	41697	0	35865	0	20692	0	2675	153	156,657.0	1,690.0
14-07-20	59265	1005	42528	0	35654	0	21306	0	2658	185	161,411.0	1,190.0
15-07-20	59882	1114	41115	0	34238	0	21526	0	2730	6	159,491.0	1,120.0
16-07-20	59817	1110	41470	0	34391	0	21665	0	2739	10	160,082.0	1,120.0
17-07-20	60376	932	42577	0	34986	0	22053	0	2732	183	162,724.0	1,115.0
18-07-20	60087	803	43360	0	35796	0	22345	0	2695	191	164,283.0	994.0

### 2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

REGION	NR		WR		S	SR		ER		NER		ΓAL
Date	ऊर्जा आपूर्ति	पनबजिली उत्पादन										
	(मि॰यू॰)	(मि॰यू॰)										
12-07-20	1112	351	958	21	775	56	430	135	44	31	3318	593
13-07-20	1250	358	997	33	837	75	438	148	47	32	3569	646
14-07-20	1374	358	1012	46	844	83	440	150	49	31	3718	668
15-07-20	1398	355	998	33	807	77	447	149	48	29	3698	643
16-07-20	1420	346	974	29	780	70	458	152	51	29	3683	626
17-07-20	1419	349	997	27	807	69	473	149	51	28	3747	623
18-07-20	1418	354	1022	33	824	88	480	152	49	30	3793	657

# 3. आवृत्ति (प्रतिशत समय में)

<u>-</u>											
Date	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	FVI	Average					
	ऑo इंo (GRID)	ऑo ईo (GRID)	ऑo ईo (GRID)	ऑo इंo (GRID)	ऑo इंo (GRID)	ऑo इंo (GRID)					
12-JUL-20	4.15	4.20	61.96	33.84	0.09	50.033					
13-JUL-20	14.36	18.62	75.86	5.52	0.07	49.960					
14-JUL-20	21.88	25.65	70.65	3.70	0.08	49.945					
15-JUL-20	13.19	15.16	76.52	8.32	0.06	49.968					
16-JUL-20	9.27	10.52	76.61	12.87	0.04	49.987					
17-JUL-20	6.28	7.22	80.51	12.27	0.04	49.990					
18-JUL-20	8.31	8.59	84.08	7.34	0.03	49.980					

#### 4. NEW ELEMENTS COMMISSIONED

### WEEKLY REPORT 12-Jul-2020 - 18-Jul-2020

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

Region	Date	12-07	-2020	13-07	-2020	14-07	-2020	15-07	-2020	16-07	-2020	17-07	-2020	18-07	-2020
Region	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						
	J&K(UT) & Ladakh(UT)	2043	511	2190	547	2147	537	2177	544	2194	548	2114	373	2156	539
	Punjab	6726	0	9785	0	10826	0	11090	0	11083	0	10893	0	11072	0
	Haryana	8928	0	8514	50	9068	243	9388	0	9502	0	9585	0	9439	0
	Rajasthan	11719	0	11377	0	11857	0	12087	0	11983	0	12156	0	12408	0
	Delhi	5427	0	5414	0	5919	0	5726	0	5695	0	5736	0	5611	0
NR	UP	21342	0	21762	440	22702	0	22873	0	23137	0	23419	0	22772	0
	Uttarakhand	1704	0	1865	0	1983	0	1899	0	1939	0	1987	0	1846	0
	НР	1124	0	1357	0	1427	0	1366	0	1430	0	1389	0	1413	0
	Chandigarh	240	0	279	0	318	0	295	0	317	0	329	0	310	0
	AMNSIL	797	0	757	0	744	0	777	0	790	0	841	0	828	0
	Chhattisgarh	3833	0	3802	0	3632	0	3685	0	3814	0	3968	0	4167	0
	Gujarat	11095	0	12880	0	13289	0	13478	0	12593	0	12844	0	12805	0
	МР	9291	0	9599	0	9869	0	9547	0	9486	0	9742	0	10146	0
WR	Maharashtra	16386	0	17281	0	17204	0	16964	0	16327	0	16273	0	16705	0
	Goa	367	0	414	0	427	0	405	0	390	0	387	0	398	0
	DD	212	0	241	0	249	0	246	0	239	0	250	0	242	0
	DNH	581	0	611	0	616	0	614	0	624	0	624	0	612	0
	Andhra Pradesh	7090	0	7301	0	6879	0	6439	0	6619	0	6792	0	7016	0
	Telangana	8909	0	9116	0	9098	0	8614	0	8069	0	9570	0	9714	0
SR	Karnataka	7932	0	9006	0	8880	0	8486	0	7466	0	7545	0	7636	0
	Kerala	2953	0	3068	0	3171	0	3077	0	2922	0	2907	0	2821	0
	Tamil Nadu	10256	0	12304	0	12533	0	12371	0	12178	0	12540	0	12785	0
	Pondy	353	0	360	0	348	0	349	0	347	0	342	0	348	0
	Bihar	5303	0	5547	0	5469	0	5740	0	5839	0	5871	0	5793	0
	DVC	2830	0	2753	0	2754	0	2989	0	2965	0	3047	0	3008	0
	Jharkhand	1311	0	1290	0	1282	0	1438	0	1352	0	1406	0	1379	0
ER	Odisha	4165	0	4446	0	3945	0	3983	0	4025	0	4134	0	4714	0
	West Bengal	6992	0	7634	0	7908	0	7917	0	8063	0	8374	0	8440	0
	Sikkim	68	0	85	0	98	0	100	0	97	0	90	0	99	0
	Arunachal Pradesh	115	0	101	1	107	1	120	3	108	1	96	1	102	1
	Assam	1528	177	1678	130	1679	149	1759	23	1699	23	1735	135	1673	170
	Manipur	177	1	181	2	192	2	183	1	189	1	180	2	189	1
NER	Meghalaya	298	0	309	0	290	0	307	2	299	0	303	0	342	0
	Mizoram	95	0	92	0	88	1	89	1	93	1	95	1	95	1
	Nagaland	124	0	126	2	120	2	140	2	135	2	131	1	129	1
	Tripura	253	2	292	4	292	0	298	7	292	1	286	2	289	0

### WEEKLY REPORT 12-Jul-2020 - 18-Jul-2020

6. Energy Consumption in States (MUs)

gion	States	12-07-2020	13-07-2020	14-07-2020	15-07-2020	16-07-2020	17-07-2020	18-07-2020
	J&K(UT) & Ladakh(UT)	38.6	44.4	45.2	43.1	43.8	41.9	44.7
	Punjab	125.6	188.7	238.3	237.9	250.8	237.6	252.5
	Haryana	142.7	169.0	197.8	209.4	214.1	213.6	206.5
	Rajasthan	252.0	242.2	254.9	262.4	260.6	265.6	268.5
	Delhi	96.3	97.8	115.6	118.6	116.0	117.8	113.7
NR	UP	393.9	433.7	443.1	448.9	455.7	463.1	453.3
	Uttarakhand	34.8	40.7	43.3	42.8	43.5	43.9	41.6
	НР	23.8	28.0	29.4	28.6	29.3	29.5	30.5
	Chandigarh	4.4	5.4	6.2	6.0	6.2	6.5	6.4
	AMNSIL	16.7	15.2	15.4	17.1	16.5	18.6	17.8
	Chhattisgarh	91.3	91.4	87.1	86.9	91.1	94.9	97.9
	Gujarat	254.1	272.2	288.3	286.2	273.0	277.4	282.9
	МР	205.5	215.9	219.7	214.7	213.8	222.5	229.2
WR	Maharashtra	364.4	375.9	373.3	365.1	352.3	355.7	366.6
	Goa	7.5	8.3	8.6	8.5	8.4	8.1	8.0
	DD	4.8	5.0	5.3	5.3	5.2	5.3	5.3
	DNH	13.4	13.4	13.9	14.0	14.1	14.1	14.0
	Andhra Pradesh	149.7	153.0	151.3	141.0	139.0	145.8	148.0
	Telangana	174.6	182.1	180.6	167.3	164.8	186.8	194.8
SR	Karnataka	152.1	169.2	167.6	155.1	138.5	143.6	146.7
	Kerala	59.2	64.0	65.3	65.2	62.6	58.3	59.9
	Tamil Nadu	232.4	261.3	272.3	271.3	268.2	265.5	267.6
	Pondy	6.9	7.8	7.5	7.5	7.4	7.5	7.5
	Bihar	104.2	98.8	106.3	111.5	117.6	120.0	119.1
	DVC	62.4	60.9	61.3	62.7	65.1	66.3	66.4
	Jharkhand	25.5	25.9	26.6	26.3	27.3	28.6	29.1
ER	Odisha	87.7	92.7	81.9	82.2	83.0	87.0	91.8
	West Bengal	149.2	158.6	162.2	162.6	163.8	170.1	172.9
	Sikkim	0.8	1.2	1.4	1.4	1.4	1.3	1.3
	Arunachal Pradesh	2.1	1.9	1.9	2.0	2.0	1.9	1.8
	Assam	26.0	28.1	29.7	30.0	32.1	32.0	30.3
	Manipur	2.5	2.5	2.6	2.6	2.6	3.0	2.2
NER	Meghalaya	5.2	5.4	5.4	5.3	5.1	5.3	5.6
	Mizoram	1.7	1.8	1.7	1.5	1.6	1.5	1.6
	Nagaland	2.3	2.3	2.5	2.2	2.4	2.3	2.1
	Tripura	4.2	4.4	4.7	4.9	5.0	5.1	4.9
ALL II	NDIA TOTAL	3318.3	3569.2	3718.0	3697.8	3683.4	3747.7	3792.8

### WEEKLY REPORT 12-Jul-2020 - 18-Jul-2020

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत) 7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-) ]

		-					
दिनांक	12-07-2020	13-07-2020	14-07-2020	15-07-2020	16-07-2020	17-07-2020	18-07-2020
East to North	-75.3	-116.2	-122.0	-112.7	-107.2	-107.7	-121.5
East to West	59.5	23.0	6.3	4.9	19.9	34.0	35.3
East to South	-94.5	-97.5	-92.8	-82.4	-71.3	-79.2	-96.9
East to North-East	0.7	0.9	-10.7	-13.9	-8.6	-9.5	-7.0
North-East to North	-14.6	-14.6	-22.0	-20.4	-14.8	-14.5	-19.8
West to North	-77.9	-145.6	-214.2	-240.6	-250.9	-267.8	-243.1
West to South	-70.8	-75.5	-67.8	-46.9	-32.2	-32.0	-60.0

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

WEEKLY REPORT 12-Jul-2020 - 18-Jul-2020 अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-) ] Transnational Exchange from India (Import=(+ve) /Export =(-ve))

दिनांक	भूटान в	HUTAN		नेपाल NEPAL		बांग्लादेश BANGLADESH				
Date	Energy Exchange Day Avera (In MU) (MW)		Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)		
12-07-2020	56.5	2355	-2.4	-303	-99	-26.1	-1114	-1089		
13-07-2020	55.8	2324	-2.2	-314	-90	-26.4	-1128	-1099		
14-07-2020	56.3	2345	-2.8	-313	-115	-26.3	-1122	-1094		
15-07-2020	55.8	2324	-1.5	-271	-64	-19.1	-1110	-797		
16-07-2020	57.4	2393	-1.3	-189	-54	-25.5	-1117	-1062		
17-07-2020	56.6	2357	-1.5	-189	-62	-25.7	-1104	-1072		
18-07-2020	56.1	2337	-0.6	-170	-26	-25.8	-1109	-1076		
TOTAL	394.43		-12.2			-174.9				

						Maior Gr	id Incider	nce (Provisio	onal)			
				Outage		Revi		Outage Duration				
S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Date	Time	Date	Time	Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
1	NR	1] 800 KV HVDC Kurukshetra(PG) Pole-4 2) 800 KV HVDC Kurukshetra(PG) Pole-2	POWERGRID	13-Jul-20	11:35	13-Jul-20	12:44	01:09	At 1135Hrs, Control got wrong status of HVHS breaker and generated CAT-8 fault. Due to CAT- B fault Pole-2 & Pole-4 blocked. As per PMU, No fault is observed in the system.	0	0	GI-2
2	NR	1) 400/220 kV 500 MVA (CT 2 at Lucknow(UP) 2) 400/220 kV 500 MVA (CT 1 at Lucknow(UP)	UPPTCL	14-Jul-20	02:31	14-Jul-20	03:22	00:51	Bus-Bar Protection operated at 220 kV Sub-Station Sarojini Nagar Lucknow due to which 400/220 kV 500 MVA:ICT 18 kCT 2 tripped at Lucknow(IIP). As per PMU, R. N fault with delayed clearance is observed in the system. In antecedent conditions, 400/220 kV 500 MVA. ICT 18 kCT 24 Lucknow(IIP) carrying 165MW 8 170MW respectively.	0	200	GD-1
3	NR	1) 220 KV Bhiwadi(PG)-Bhiwadi(RS) (RS) Ckt-1 2) 220 KV Bhiwadi(PG)-Bhiwadi(RS) (RS) Ckt-2	RRVPNL	16-Jul-20	15:22	16-Jul-20	16:37	01:15	220 KV Bhiwadi(PG)-Bhiwadi(RS) (RS) Ckt-1 tripped on B-N Fault, 1.42 Km from Bhiwadi(PG) end, 220 KV Bhiwadi(PG)-Bhiwadi(RS) (RS) Ckt-2 tripped on 22, R-N Fault, 7.26 Km from Bhiwadi(PG) end. As per PMU, R-8 Fault followed by R-N Fault is observed in the system. In antecedent conditions, 220 KV Bhiwadi(PG)-Bhiwadi(RS) (RS) Ckt-1 & 2 carrying 137MW & 129MW respectively.	0	275	GD-1
4	NR	1) 110 MW Vishnuparyag HPS - UNIT 4 2) 110 MW Vishnuparyag HPS - UNIT 2 3) 110 MW Vishnuparyag HPS - UNIT 1 4) 110 MW Vishnuparyag HPS - UNIT 3	UPPTCL	17-Jul-20	03:22	17-Jul-20	05:08	01:46	All the four nos. unit at 4X100 kV vishunuprayag (Hydro generating Station) tripped due to butter fly valve closed. Generation loss 400 MW (approx.). As per PMU, No fault is observed in the system. In antecedent conditions, 400kV vishnuprayag-Alakananda & 400kV Vishnuprayag-Muzaffarnagar carrying 121MW & 390MW respectively.	400	0	GD-1
5	NR	1) 400/220 kV 500 MVA ICT 1 at Bhiwan(BB) 2) 2200V Bus 1 at Bhiwan(BB) 3) 2200V Bus 2 at Bhiwan(BB)	ввмв	18-Jul-20	11:45	18-Jul-20	12:08	00:23	220 Bus Bar protection operated on Bus I and II at Bhiwani(BBMB) s/s. All 220kV lines tripped along with ICT-I (500MVA). As per PMU, Y-M fault with delayed clearance is observed in the system. In antecedent conditions, 400/220 kV 500 MVA ICT 1 at Bhiwani(BB) carrying 262MW.	0	250	GD-1
6	NR	1) 220 KV Merrur(PG)-Nara(UP) (PG) Ckt-1 2) 220 KV Merrur(PG)-Nara(UP) (PG) Ckt-1 3) 400/220 kV 35 KVAIC T at Merrur(PG) 4) 220 KV Merrur(PG)-Nado(puran(UP) (PG) Ckt-1 3) 220 KV Merrur(PG)-Chart(UP) (PG) Ckt-1 3) 220 KV Merrur(PG)-Chart(UP) (PG) Ckt-1 6) 220 KV Merrur(PG)-Lampur (VP) (PG) Ckt-1 7) 600/220 kV 32 KVAIC T at Merrur(PG) (PG) 600/220 kV 32 KVAIC T at Merrur(PG)	POWERGRID, UPPTCL	18-Jul-20	13:34	18-Jul-20	14:55	01:21	At 13:35 Hrs, R-N phase fault detected in 220 kV Meerut-Nara but fault could not be cleared by its 220 kV CB and resulted in operation of LBB which tripped 220 kV BUS-1 at Meerut and tripping of all associated elements. As per PMU, R-N fault with delayed clearance is observed in the system. In antecedent conditions, 60/0220 kV 315 MVA ICT 1 at Meerut(PG) & 400/220 kV 315 MVA ICT 3 at Meerut(PG) carrying 117MW & 118MW respectively.	0	0	GI-2
7	WR	Tripping of Koyna Stage IV Units 1,2,3&4(250MW each)	MSPGCL	14-Jul-20	14:10	14-Jul-20	18:54	04:44	At 400kV Koyna Stage IV Hydro power station, short circuit in DC distribution box resulted in the failure of control DC of butterfly valves. Hence, the valves closed and resulted in the tripping of all Units 1,2,346 of 250MW each.	975	Nil	GI-2
8	SR	L400W Kolar - Thirsvalum   II. 400W Kolar - Securi 182   III. 400W Kolar - Securi 182   III. 400W Kolar - Securi 182   III. 400W Kolar - Kol	KPTCL, PGCIL	16-Jul-20	01:58	16-Jul-20	02:42	00:44	Complete Outage of 400kV/220kV Kolar SS of SR-2, 400kV/220kV Hoody SS of KPTCL and Tripping of HVDC Talchar Kolar Pole-1 and 2: In the antecedent, 400kV Kolar – NP Kunta line was open under voltage regulation. As reported, all connected lines at 400kV Kolar – NP Kunta line was open under voltage regulation. As reported, all connected lines at 400kV Kolar tripped on operation of overvoltage protection. Due to loss of voltage in AC side HVDC Talcher – Kolar Pole-1 and Pole-2 tripped on pole control reference voltage protection. There was complete loss of supply at 400/1220kV Hoody subdstation since the station was radially fed from Kolar. In the antecedent condition, 400kV Hoody subdstation since with the station of the control Nelamangala were under planned shutdown due to construction works of 400kV Pavagada – Devenahalli line by PGCLL		870 MW	GD-1
9	SR	i. 220kV Narnoor - AP Carbides ii. 220kV Narnoor - Somrajpally iii. 220kV Narnoor - Brahmakotkur iv. 400/220kV ICT-2 at Narnoor	APTRANSCO	15-Jul-20	02:16	15-Jul-20	04:33	02:17	Tripping of 220kV Bus-2 at 400/220kV Narnoor station of APTRANSCO: Triggering incident was fault in Y-phase isolator of 220kV Bus-2. This resulted in operation of bus bar protection of 220kV Bus-2 at Narnoor station. All elements connected to 220kV Bus-2 tripped.			GI-1
10	SR	i. 220kV Kadakola - Mysore Line-2 ii. 220kV Kadakola - Chamrajnagar Line-2 iii.	KPTCL	17-Jul-20	05:02	17-Jul-20	06:40	01:38	Tripping of 220kV Bus-2 at Kadakola station of kPTCL: 220kV Bus-2 at Kadakola station tripped due to mal operation of Y-phase bus bar differential relay resulting in tripping of all elements connected to Bus-2 at Kadakola station.			GI-1
11	ER	HVDC Talcher Kolar pole 1 and 2	ISTS	16-Jul-20	01:58	16-Jul-20	03:36	01:38	At 01:58hrs. both poles of Talcher-Kolar HVDC tripped due to un-availability of 400kV bus voltage at Kolar end. Before tripping flow was 500MW. SPS acted and generation reduction happened at JITPL(150MW) and GMR (269MW). No generation reduction in Talcher Stg-2.	419	0	GI-2
12	ER	400 KV Teesta III – Dilichu S/C 400 KV Rangeo Dilichu S/C 400 KV Rangeo Dilichu S/C Units 1, 2, 3, 4, 5 and 6 at Teest III HEP Birth units 1 and 2 at Dilichu HEP Birth units 1 and 2 at Dilichu HEP	ISTS	16-Jul-20	16:27	16-Jul-20	17:13	00:46	400 KV Teesta III Kishanganj S/C was taken under shutdown on emergency basis at 15.49 hrs for gas density monitor replacement work at Kishangunje nd. To ensure maximum power excustion, 400 kV buse at Rango were split. Teesta III and Dikchu were connected to 400 kV bus 14 rango were split. Teesta III and Dikchu experiation was evacuated through 400 kV pagnos Ushangunj S/C. All Other elements at Rango S/S were connected to 400 kV bus 2. Generation at Teesta V, Jorethang, Tashiding, Chujachen HEP was being excusted through 400 kV Rango Polingunj D/C. At 1527 rs. 400 kV Teesta III — Dikchu S/C, 400 kV Rango-Dikchu S/C, 400 kV Rango-Sishanganj S/C tripped resulting total power fatilure at Teesta III and Dikchu HEP.	1390	0	GD-1
13	ER	400 kV Alipurduar - Jigmeilling D/C	ISTS	19-Jul-20	23:18	19-Jul-20	23:58	00:40	At 23:18 Hrs, 400 KV Alipurduar-ligmelling D/c tripped on spurious DT receive at Alipurduar end resulting in tripping of Mangdechu units #1 and #2 due to loss of evacuation path. Generation loss at Mangdechu was 777 MW. No generation or load loss was reported in Indian grid during this event.	0	0	GI-2
14	NER	132 kV Along - Daporjio line	DOP , Arunachal Pradesh	16-Jul-20	18:51	16-Jul-20	19:05	00:14	Along are of Arunachal Pradesh Power System was connected with the rest of NER Grid through 13.2 kV Mong. Papaprij loine. At 18:51 hrs on 16.07.2020,132 kV Along - Daporjio line tripped. Due to tripping of this element, Along area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	GD1
15	NER	132 kV Imphal (MSPCL) - Karong Line and 132 kV Karong - Kohima Line	MSPCL & DoP Nagaland	17-Jul-20	15:53	17-Jul-20	16:24	00:31	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 Winphal (MSPC). Aerong Line and 132 V Karong. Cholima Line. At 15:53 Hrs on 17 07.2020, 132 kV Imphal (MSPCL) - Karong Line and 132 kV Karong - Kohima Line tripode. Due to triping of these elements, Karong area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	11	GD 1
16	NER	132 kV Yangangpokpi-imphal(Yurembam) D/C	MSPCL	19-Jul-20	10:37	19-Jul-20	10:42	00:05	Yiangangpokpi area of Manipur Power System was connected with the rest of NER Grid through 132 kV Yiangangpokpi-imphali(Yurembam) D/C. At 1037 Hrs on JBO 72002,132 kV Yiangangpokpi-imphali(Yurembam) D/C tripped. Due to tripping of these elements, Yangangpokpi area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	GD 1