



National Load Despatch Centre
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
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: 4th May 2016

To,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
General Manager, 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. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
General Manager, 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 April to 1st May 2016.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 25 अप्रैल से 1 मई 2016, 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 April to 1st May 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20250416%20to%20010516.pdf>

Thanking You.

Yours faithfully,

for DGM (SO)

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (25 अप्रैल से 01 मई - 2016 तक)

रिपोर्टिंग तिथि:- 4-May-16

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

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
25-04-2016	41352	565	44962	223	37660	200	18257	100	2006	243	144237	1331
26-04-2016	42423	2359	44259	201	37114	740	18439	550	1985	306	144220	4156
27-04-2016	42346	2302	44416	131	37534		18420	767	1911	424	144627	3624
28-04-2016	43600	1753	44695	11	37070		18579	250	2080	266	146024	2280
29-04-2016	43358	1805	43113		38351	125	17645	300	2043	291	144510	2521
30-04-2016	42993	522	43479	11	36230	125	17634	150	2059	238	142395	1046
01-05-2016	40216	612	40649		34266		17575	200	1617	532	134323	1344

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)
25-04-2016	920	143	1048	29	919	67	402	41	33	11	3321	290
26-04-2016	938	140	1052	30	928	76	407	38	34	11	3358	294
27-04-2016	945	140	1046	39	939	73	402	32	33	11	3366	294
28-04-2016	967	143	1047	41	945	64	402	31	34	10	3395	289
29-04-2016	978	140	1046	36	941	63	401	28	30	9	3395	276
30-04-2016	996	153	1041	33	920	56	385	28	34	10	3376	280
01-05-2016	958	166	984	21	861	35	372	27	27	9	3202	258

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
25-04-2016	20.51	23.82	68.37	7.81	49.95	0.081
26-04-2016	31.96	40.20	55.42	4.39	49.92	0.137
27-04-2016	29.19	35.01	55.47	9.51	49.94	0.116
28-04-2016	10.67	11.86	65.15	22.99	49.99	0.054
29-04-2016	4.99	5.44	75.88	18.68	50.00	0.040
30-04-2016	3.92	4.73	68.38	26.89	50.01	0.044
01-05-2016	2.80	2.80	65.57	31.63	50.02	0.045

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. NP Kunta Ultra mega solar park phase 1 (200 MW) first time charged at 1254 hrs on 30.04.16

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

Region	Date	25-04-2016		26-04-2016		27-04-2016		28-04-2016		29-04-2016		30-04-2016		01-05-2016	
	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	5946	0	5931	0	5619	0	5908	0	5678	0	6058	0	5814	0
	Haryana	6734	0	6883	0	7150	0	7093	0	7424	0	7359	0	7000	0
	Rajasthan	8669	0	8690	0	8847	0	8749	0	9096	0	9015	0	8908	0
	Delhi	4271	0	4400	22	4389	9	4585	0	4668	0	4449	0	4524	0
	UP	13371	980	13767	770	13511	2620	13419	1275	13789	1265	14197	250	14295	0
	Uttarakhand	1756	40	1848	0	1879	0	1842	0	1719	0	1839	40	1651	40
	HP	1218	0	1210	6	1187	0	1198	0	1523	0	1184	0	1047	0
	J&K	2098	525	1994	499	2076	519	1964	347	1886	472	1942	486	1888	472
	Chandigarh	231	0	249	0	260	0	256	0	263	0	239	0	236	0
WR	Chhattisgarh	3790	0	3597	0	3582	0	3601	0	3418	0	3255	0	3386	0
	Gujarat	13723	0	13306	0	13271	0	13872	49	13990	0	14054	0	13553	19
	MP	8189	0	8061	0	7957	0	8077	0	7845	0	8119	0	7941	0
	Maharashtra	20053	0	19540	269	19622	0	19452	0	19138	0	19195	1	18103	1
	Goa	479	0	472	0	492	0	453	0	456	0	460	0	395	0
	DD	301	0	300	0	302	0	304	0	304	0	304	0	275	0
	DNH	742	0	728	0	727	0	726	0	725	0	729	0	718	0
	Essar steel	517	0	540	0	581	0	599	0	583	0	590	0	527	0
SR	Andhra Pradesh	6755	0	6630	0	7033	0	7355	0	7219	0	7331	0	6995	0
	Telangana	6387	0	6423	0	6252	0	6259	0	6234	0	6125	0	5336	0
	Karnataka	9211	0	9122	600	9232	0	9146	500	9283	0	9041	0	8570	600
	Kerala	3768	200	3850	125	4004	0	3902	0	3922	125	3534	125	3612	0
	Tamil Nadu	14615	0	14191	0	14735	0	15107	0	15240	0	14580	0	13523	0
	Pondy	358	0	345	15	360	0	353	0	352	0	347	0	317	0
ER	Bihar	3465	50	3318	0	3303	200	3549	250	3485	300	3277	0	3612	200
	DVC	2896	0	3096	0	3142	0	3088	0	3080	0	3032	0	2770	0
	Jharkhand	1155	0	1054	0	1081	0	1042	0	1019	0	947	0	1073	0
	Odisha	3970	0	3871	0	3974	0	3938	0	3739	0	4526	0	3743	0
	West Bengal	7726	0	7788	0	8110	0	8015	0	7710	0	7820	0	6967	0
	Sikkim	83	0	83	0	91	0	68	0	87	0	67	0	70	0
NER	Arunachal Pradesh	109	1	112	3	109	1	108	4	105	4	105	3	105	3
	Assam	1210	179	1131	252	1185	226	1212	185	1162	233	1192	160	1085	226
	Manipur	84	16	115	5	122	1	130	2	134	1	121	6	125	2
	Meghalaya	225	0	228	0	263	0	262	0	260	0	271	0	229	0
	Mizoram	78	2	89	1	66	24	75	3	79	1	82	2	69	1
	Nagaland	93	2	93	2	70	10	102	5	102	5	99	5	95	5
	Tripura	225	25	259	1	258	0	258	0	241	7	250	1	201	4

6. Energy Consumption in States (MUs)

Region	States	25-04-2016	26-04-2016	27-04-2016	28-04-2016	29-04-2016	30-04-2016	01-05-2016
NR	Punjab	117.5	123.2	124.2	125.9	127.5	138.2	131.6
	Haryana	123.8	131.4	135.0	139.5	141.1	142.6	136.7
	Rajasthan	191.4	193.2	189.6	192.5	196.5	198.8	193.3
	Delhi	88.4	91.0	93.6	99.1	92.7	91.8	87.8
	UP	292.3	293.8	294.9	301.7	311.5	315.6	305.1
	Uttarakhand	36.6	37.7	37.3	36.8	36.3	38.4	35.4
	HP	23.5	21.9	23.8	24.2	24.4	24.4	21.6
	J&K	41.7	40.7	41.8	42.3	42.6	41.1	42.3
Chandigarh	4.6	4.6	5.1	5.1	5.1	5.0	4.6	
WR	Chhattisgarh	89.3	87.9	84.5	77.2	81.3	74.9	78.9
	Gujarat	307.5	306.5	302.6	311.0	313.1	313.0	300.1
	MP	177.2	179.8	179.0	178.5	176.5	176.3	174.1
	Maharashtra	429.2	433.3	434.5	434.4	430.6	432.0	391.1
	Goa	10.3	10.0	10.1	9.9	9.9	9.6	8.3
	DD	6.6	6.8	6.7	6.8	6.8	6.8	5.0
	DNH	16.8	16.5	16.9	16.7	16.7	16.8	16.0
	Essar steel	10.9	11.3	11.5	12.4	11.0	11.7	10.8
SR	Andhra Pradesh	154.6	156.5	165.0	160.4	159.3	161.7	153.2
	Telangana	144.1	143.4	141.4	142.3	143.3	132.2	123.9
	Karnataka	205.1	205.1	208.9	209.9	209.6	205.1	194.3
	Kerala	77.6	78.6	80.3	80.4	80.5	77.6	70.3
	Tamil Nadu	330.4	337.0	336.0	344.2	340.7	335.7	312.9
	Pondy	7.6	7.6	7.8	7.7	7.8	7.6	6.7
ER	Bihar	65.4	66.2	60.9	67.4	70.0	69.6	70.0
	DVC	65.0	66.2	64.2	65.1	64.4	63.5	61.6
	Jharkhand	24.3	23.6	23.9	22.7	22.7	21.2	20.2
	Odisha	88.4	90.9	80.3	78.4	75.3	72.0	78.1
	West Bengal	157.4	158.5	171.6	167.3	167.6	157.4	140.8
	Sikkim	1.1	1.2	1.3	1.0	1.1	1.0	0.8
NER	Arunachal Pradesh	1.8	1.8	2.0	1.8	1.8	2.0	1.6
	Assam	19.0	19.6	18.4	20.1	16.7	18.9	14.0
	Manipur	1.5	1.6	1.8	1.8	1.4	1.8	1.6
	Meghalaya	3.7	3.7	3.8	2.8	3.0	3.9	3.1
	Mizoram	1.1	1.2	1.3	1.3	1.3	1.4	1.1
	Nagaland	1.9	2.0	1.9	1.9	1.5	1.7	1.4
	Tripura	4.0	4.2	4.1	4.4	4.0	4.8	3.8
ALL INDIA TOTAL		3321.4	3358.5	3365.9	3395.0	3395.7	3375.8	3202.0

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

साप्ताहिक रिपोर्ट (25 अप्रैल से 01 मई - 2016 तक) [2]
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

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

दिनांक	25-04-2016	26-04-2016	27-04-2016	28-04-2016	29-04-2016	30-04-2016	01-05-2016
East to North	-37.0	-33.8	-29.9	-24.0	-13.0	-17.0	-21.5
East to West	-2.0	4.2	-1.2	-8.0	5.0	14.0	19.2
East to South	-47.0	-39.0	-33.0	-41.0	-51.0	-45.0	-53.2
East to North-East	-16.0	-18.4	-17.1	-19.0	-18.0	-21.0	-8.7
North to North-East	12.0	11.5	11.6	11.7	11.7	11.6	11.6
West to North	-142.0	-149.8	-146.2	-140.8	-154.3	-161.5	-143.2
West to South	-65.1	-66.2	-67.9	-69.9	-59.9	-58.8	-58.5

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

साप्ताहिक रिपोर्ट (25 अप्रैल से 01 मई - 2016 तक) [2]

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

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश 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)
25-04-2016	6.0	252	-6.9	-316	-286	-12.5	-547	-522
26-04-2016	3.6	152	-7.0	-304	-291	-12.7	-558	-529
27-04-2016	3.1	130	-6.5	-303	-269	-12.7	-550	-528
28-04-2016	4.2	173	-6.6	-326	-275	-12.5	-549	-521
29-04-2016	4.6	191	-6.9	-312	-288	-12.6	-555	-523
30-04-2016	3.4	142	-6.2	-313	-260	-12.8	-558	-535
01-05-2016	4.3	180	-6.3	-322	-262	-12.2	-555	-507
कुल Total	29.3		-46.4			-87.9		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time	Time				
1	ER/SR	1) 400kV Jeypore-Gazuwaka 1 & 2 2) 400kV Simhadri-Kalapaka-1,3 & 4 3) 400kV Simhadri-Gazuwaka-1 4) 400kV Vijayawada- Gazuwaka-1 5) 400kV Kalapaka-Gazuwaka-1 & 2 6) 400/220kV ICT-1 & 2 at Gazuwaka 7) HVDC Gazuwaka Pole-1	PG/APTRAN SCO/NTPC	25.04.2016	02:13	25.04.2016	07:30	05:17	HVDC Gazuwaka Pole-II was already under outage since 22/04/2016 due to insulator contamination. 400kV Kalapaka-Gazuwaka 1 tripped at 02:13 hrs on TEED protection operation. HVDC Gazuwaka Pole1 tripped on filter inter-zone protection at 03:14 hrs. At 03:28 hrs and 03:35 hrs respectively, Gazuwaka Bus-1 and Bus-2 tripped. The fault in both the buses at Gazuwaka resulted in the tripping of 400/220kV ICT-1 and ICT-2 at Gazuwaka.400kV Simhadri- Gazuwaka 1 and 400kV Kalapaka-Gazuwaka2 tripped on Teed protection at 03:45 hrs.400kV Jeypore-Gazuwaka1 and 400kV Jeypore-Gazuwaka2 were hand tripped subsequent to the tripping of Both the Buses at Gazuwaka.	650	250	GD-I
2	ER/SR	1) 400kV Simhadri-Gazuwaka-2 2) 400kV Vijayawada- Gazuwaka-1 3) 400/220kV ICT-1 & 2 at Gazuwaka 4) HVDC Gazuwaka Pole-2 5) 400kV Jeypore-Gazuwaka 1 & 2	PG/APTRAN SCO/NTPC	26.04.2017	02:14	26.04.2017	22:00	19:46	400kV Gajuwaka-Simhadri-2 tripped on B-N fault in zone-1 at Gajuwaka end and in zone-2 at Simhadri end. 400 kV Gajuwaka-Nunna line tripped on R-B-N fault at 04:00 Hrs. After these tripping, 400kV Gajuwaka-Simhadri-1, 400kV Jeypore-Gajuwaka-1&2, ICT-1&2 and HVDC pole-1 were in service.Complete outage occurred at 400kV Gajuwaka Station due to tripping of 400kV Bus-1 at 04:57 Hrs on 25-04-2016. As informed by RTAMC SR-I, Y-phase fault had occurred on bus-1 at 04:57 Hrs due to tracking of insulators in switchyard which is due to moist weather and heavy saline contamination. However no fault was observed in PMU plots. All remaining elements got tripped due to tripping of bus-1. HVDC Gajuwaka Pole -1 blocked at 04:57 Hrs as voltage lost in the south bus. No backing down of generation was done at Simhadri TPS. 400kV Jeypore-Gajuwaka-1 was hand tripped at 05:32 Hrs and 400kV Jeypore-Gajuwaka-2 was hand tripped at 05:31 Hrs.		300	GD-I
3	ER	1) 400KV Mendhasal-Meramandali 2) 315 MVA 400/220 ICT- I & II at Mendhasal 3) 220KV Bhanjnagar-Nayagarh-Mendhasal 4) 220KV Bhanjnagar-Mendhasal	OPTCL	26.04.2017	14:48	26.04.2017	15:18	00:30	At 14:48 hrs, 315 MVA 400/220 ICT- I & II at Mendhasal tripped on O/C relay operation, causing tripping of 400KV Mendhasal-Meramandali line as 400KV Mendhasal-Meramandali was connected through Tie bay of 315MVA ICT-I (400KV Main bay of 400KV Mendhasal-Meramandali at Meramandali under S/D). 220KV Bhanjnagar-Nayagarh-Mendhasal was open at Bhanjnagar and 220KV Bhanjnagar-Mendhasal was open at Mendhasal by OPTCL to avoid O/L. This resulted load loss of 400 MW in Chandaka, Bhubaneswar, Nimapara. .		400	GD-I

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time	Time				
4	WR	Following feeders from 220 kV Padghe s/s tripped : 1) 220kV Bus-Coupler 2) 315MVA, 400/220/33kV ICT-3 3)315MVA, 400/220/33kV ICT-1 4)200 MVA 220/100kV ICT-3 5)200 MVA 220/100kV ICT-2 6)50 MVA, 220/22kV BHEL T/F 7)220kV Jambhul-2 8)220kV Nashik-2 9)220kV Temghar-2 10)220kV Wada 11) 220kV Nalasopara 12) HVDC Chandrapur-Pdghe Pole-I & II	MSEB	28.04.2016	15:57	28.04.2016	16:41	00:44	50 MVA 220/22kV BHEL T/F, Y-ph, stub bus suspension string decapped (i.e. CT to line Isolator jumper). As 50 MVA BHEL T/F is on B-Bus; 220kV B-bus fault occurred which resulted in tripping of all the 220kV B-Bus lines and ICTs.		336	GD-I
5	ER	1) 132 KV Madhepura – Supaul D/c 2) 132 KV Purnea(Bihar) – Purnea(PG) –I 3) 132 KV Purnea(Bihar) – Purnea(PG) –II 4)132 KV Purnea(Bihar) – Purnea(PG) –III 5)132 KV Purnea-Kishanganj	BSEB	28.04.2016	19:23	28.04.2016	19:31	00:08	All 132 KV lines emanating from 132 kv Purnea (BSEB) S/S got tripped due to failure of Y phase CT of 33 kv side of 50 MVA ICT-(132/33 KV) at Purnea(BSEB). The following lines tripped: 132 kv Purnea(PG)- Purnea(BSEB) -T/C and 132 KV Purnea-Faurbuisganj. Consequently , 132 KV Purnea(PG)-Kishanganj,132 KV Madhepura-Supaul D/c also tripped due to over current protection.		325(150 MW to Nepal)	GD-I
6	ER/Bhutan	1) 220 kV Chukha-Birpara 2) 220 kv Malbase-Birpara 3) Chukha Generation	PG/NHPC	28.04.2016	17:00	28.04.2016	21:00	04:00	Due to Y-N fault, Zone-1, 29 kms from Birapara; the given elements tripped.	300		GD-I
7	SR	1) 400 kv KALPAKKA - VEMAGIRI 2 2) 400kv Simhadri-Kalapaka-4 3) 400/220 kv ICT-I at Kalpaka	PG/APTRAN SCO/NTPC	30.04.2016	04:15	30.04.2016	04:50	00:35	Due to Bus Fault at Kalpaka elements given in Column C tripped.			GI-II
8	WR	1)400kv Jabalpur-MB Power-1 & 2 2) MB Power Unit-1 & 2	MB Power	30.04.2016	15:04	30.04.2016	16:11	01:07	400 kv MB Power-Jabalpur-1 &2 tripped due to Bus bar differential protection operated on 400kV Bus at MB Power. The fall of 0.14 Hz in frequency was observed due to loss of 1024 MW generation loss.	1024		GD-I
9	WR	1) 400 kv JP Nigri -Satna -1 & 2 2) JP Nigrie Unit 1 & 2	JP	01.05.2016	12:24	01.05.2016	16:17	03:53	JP Nigree-Satna -1 tripped on R-Phase to earth fault. JP Nigree-Satna-2 also tripped on DT Received. Similar event occurred on 14-April-2016. The frequency before the event was 50.04 and after the events frequency fall to 49.91Hz. The fall of 0.13 Hz due to loss of 1092 MW generation loss. It was also reported that Unit tripped due to LP turbine disc rupture.	1092		GD-I
10	ER	1)400 KV Meramundali-Sterlite D/c 2)400 KV Meramundali-Angul D/c 3)400 KV Meramundali-New Duburi D/c 4)400 KV Meramundali-JSPL D/c 5)400 KV Meramundali-Mendhasal 6)400 KV Meramundali-GMR 7)400 KV Meramundali-Talcher 8)400/220 KV 315 MVA ICT I&II at Meramundali 9) Sterlite U#1&4 (Gen : 560 MW),GMR #3 (Gen : 243 MW), JSPL (Gen : 50 MW)	OPTCL	30.04.2016	22:02	30.04.2016	23:09	01:07	All lines emanating from 400KV Meramundali S/s tripped due to failure of Y_ph LA of 400 KV Sterlite-Meramundali I at Meramundali.Sterlite U#1&4 (Gen : 560 MW),GMR #3 (Gen : 243 MW), JSPL (Gen : 50 MW) dedicated to STU network at Meramundali tripped due to loss of evacuation path.	853	120	GD-I

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time	Time				
11	SR	1) 400 KV N'SAGAR - MAHABOOB NAGAR 2) 400/220 KV ICT-1 & 3 AT RAICHUR 3) 400 KV MAHABOOB NAGAR - RAICHUR 4) 400 KV RAICHUR - YTPS 5) Rayalseema Unit-4,5 & 6(210 MW each)	KPTCL	01.05.2016	21:45	02.05.2016	02:43	04:58	Due to R-Phase CT flashover at Raichur station, the elements given in column C tripped	600		GD-I
12	NER	1) 132 kv Surajmani nagar-Comilla 2) Palatana Unit-I & II 3) 400/132 kv ICT-I at Palatana 4) Complete Agartala network	OTPC/Tripura	01.05.2016	19:00	01.05.2016	02:43		Prior to the incident Tripura had state demand of 230 MW, internal state generation was 87 MW and Monarchak – 50 MW. Weather condition in the area was severe thunderstorm accompanied with squall/hail. Bangladesh was availing radial supply through 132 kv SM Nagar-Comilla I – 82MW. Several lines tripped in 132 kv network between 19:00 hrs to 20:13 hrs ,at 20:13 hrs, the following tripping reported in Palatana station, the 400/132 kv ICT at Palatana also tripped resulting in loss of 132 kv supply to the Gas booster compressor. At 20:13:54 hrs, the 132 kv lines at Palatana, namely Palatana-SM Nagar & Palatana-Udaipur line tripped. Simultaneously the 132 kv SM Nagar-Comilla line I also tripped and the radial supply to Bangladesh got interrupted. loss of 132 kv supply to the Gas booster compressor. GTG tripped due to Gas turbine tripping on high exhaust temperature spread trip. STG tripped due to Gas turbine trip protection.	450	210	GD-II