

पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)



पंजीकृत एवं केन्द्रीय कार्यालय: बी-9, प्रथम तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016
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संदर्भ संख्या:-POSOCO/NLDC/GM/

दिनांक: 23.11.2016

सेवा में,

वितरण सूची के अनुसार

विषय:- निष्पादन रिपोर्ट - अक्टूबर 2016

महोदय,

आई०ई०जी०सी०-2010 के प्रावधान के अनुसार, अक्टूबर 2016 माह की अखिल भारतीय प्रणाली की निष्पादन रिपोर्ट संलग्न है।

धन्यवाद

भवदीय

(Handwritten signature)
23/11/16.

(एन. नल्लारसन)

उप महाप्रबंधक

(रा०भा०प्रे०के०)

संलग्नक: मासिक प्रणाली रिपोर्ट

वितरण सूची Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001
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Member Secretary, SRPC, 29, Race Course Cross Road, Bangalore-560009
- 6 सदस्य सचिव, पू. क्षे. वि. स., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Member Secretary, ERPC, 14, Golf Club Road, Kolkata-700033
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- 8 महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
General Manager, ERLDC, 14, Golf Club Road, Kolkata-700033
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General Manager, NRLDC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
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General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009
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General Manager, NERLDC, Dongtiah, Lower Nongrah, Laplang, Shillong-793006



POWER SYSTEM OPERATION CORPORATION LIMITED

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पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

NATIONAL LOAD DESPATCH CENTRE –राष्ट्रीय भार प्रेषण केन्द्र

मासिक ऑपरेशन रिपोर्ट

Monthly
Operation Report



अक्तूबर 2016

पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

POWER SYSTEM OPERATION CORPORATION LTD
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



माह अक्टूबर 2016 के लिए प्रचालन निष्पादन रिपोर्ट
OPERATIONAL PERFORMANCE REPORT FOR THE
MONTH OF OCTOBER 2016

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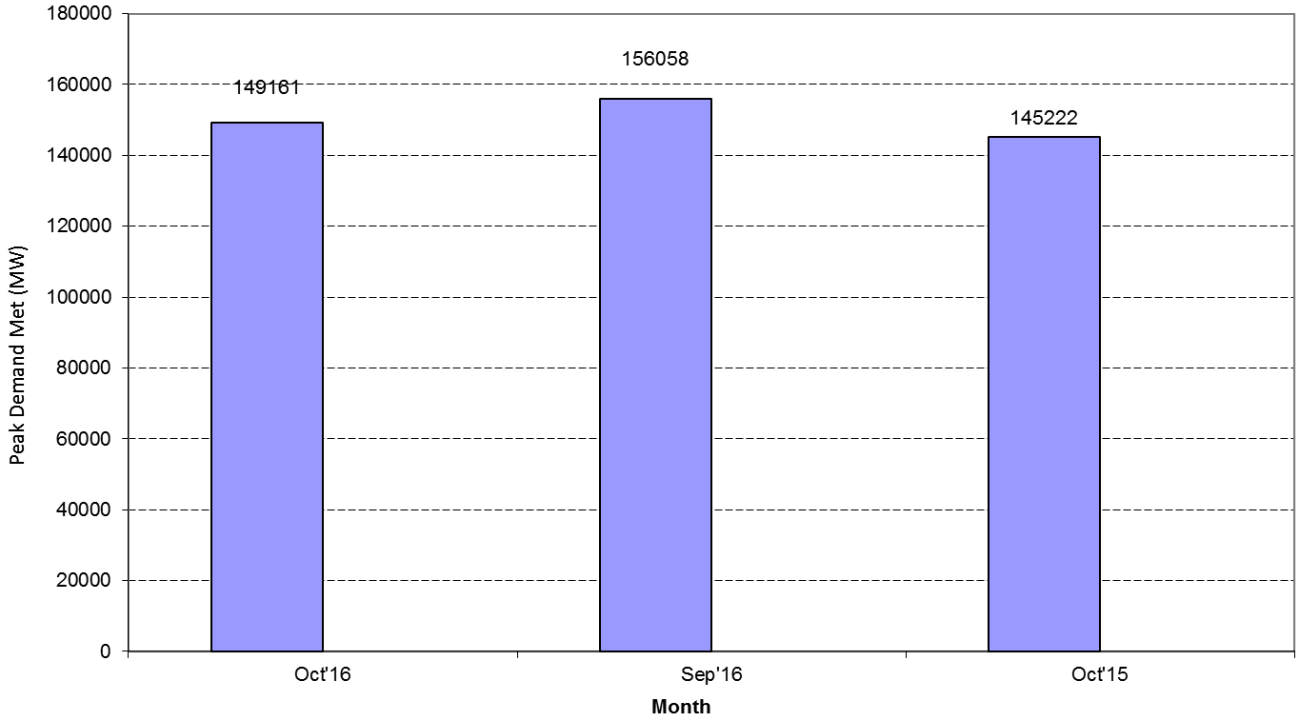
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1. SUMMARY OF REPORT FOR THE MONTH OF OCTOBER 2016

Peak Demand Met

Decreased by 4.42% as compared to Sep 2016

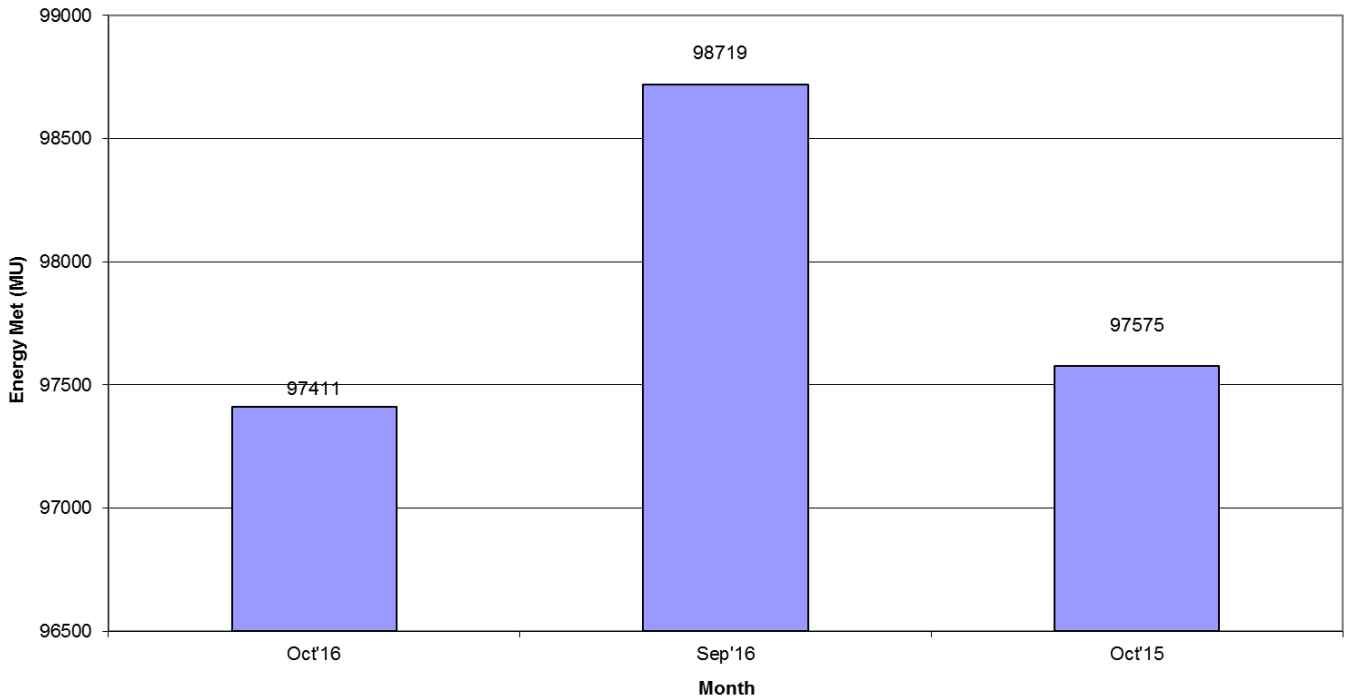
Increased by 2.71% as compared to Oct 2015



Energy Met

Decreased by 1.32% as compared to Sep 2016

Decreased by 0.17% as compared to Oct 2015

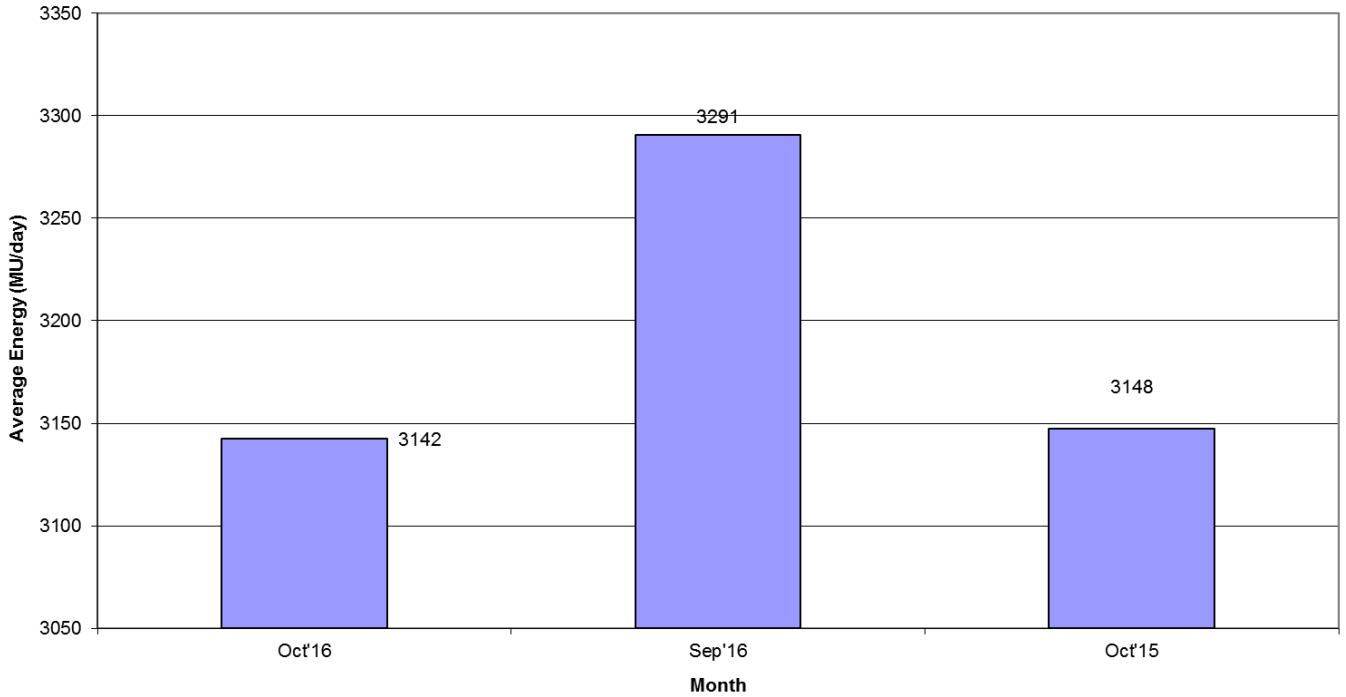


1. SUMMARY OF REPORT FOR THE MONTH OF OCTOBER 2016

Average Energy (MU/day)

Decreased by 4.51% as compared to Sep 2016

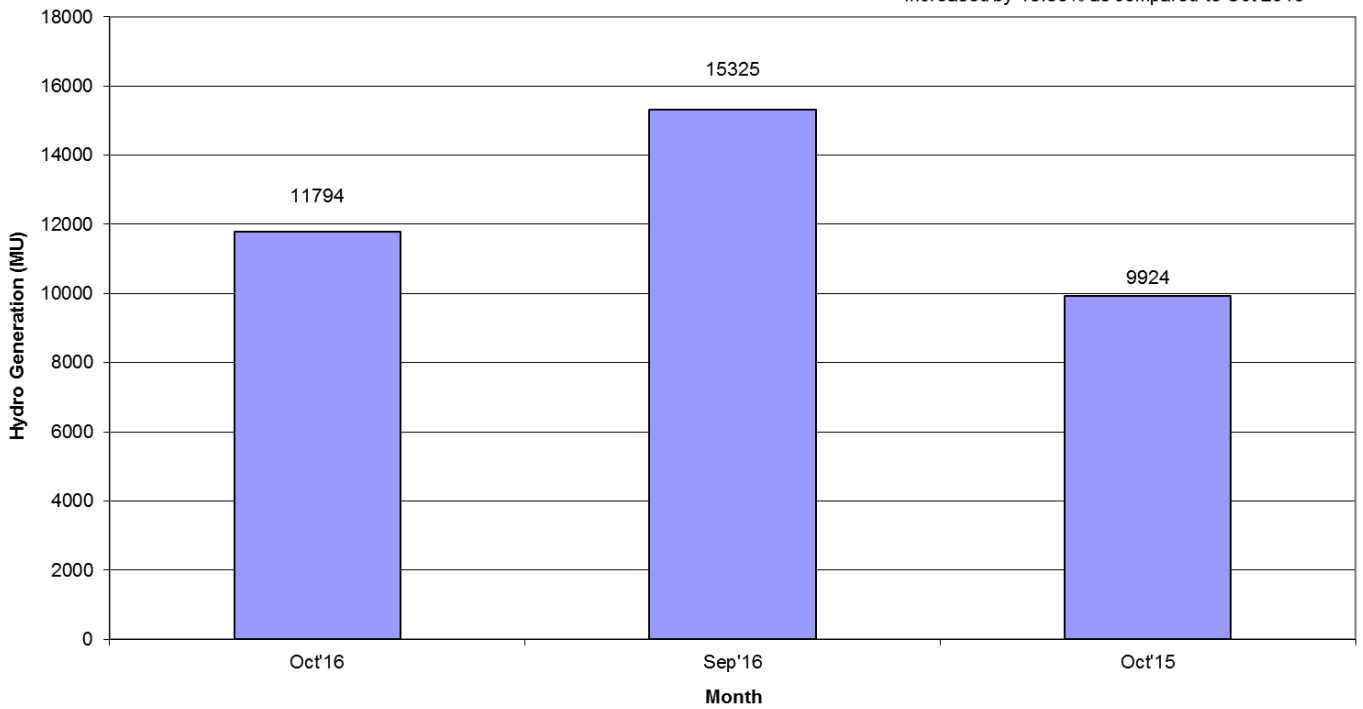
Decreased by 0.17% as compared to Oct 2015



Hydro generation

Decreased by 23.04% as compared to Sep 2016

Increased by 18.83% as compared to Oct 2015

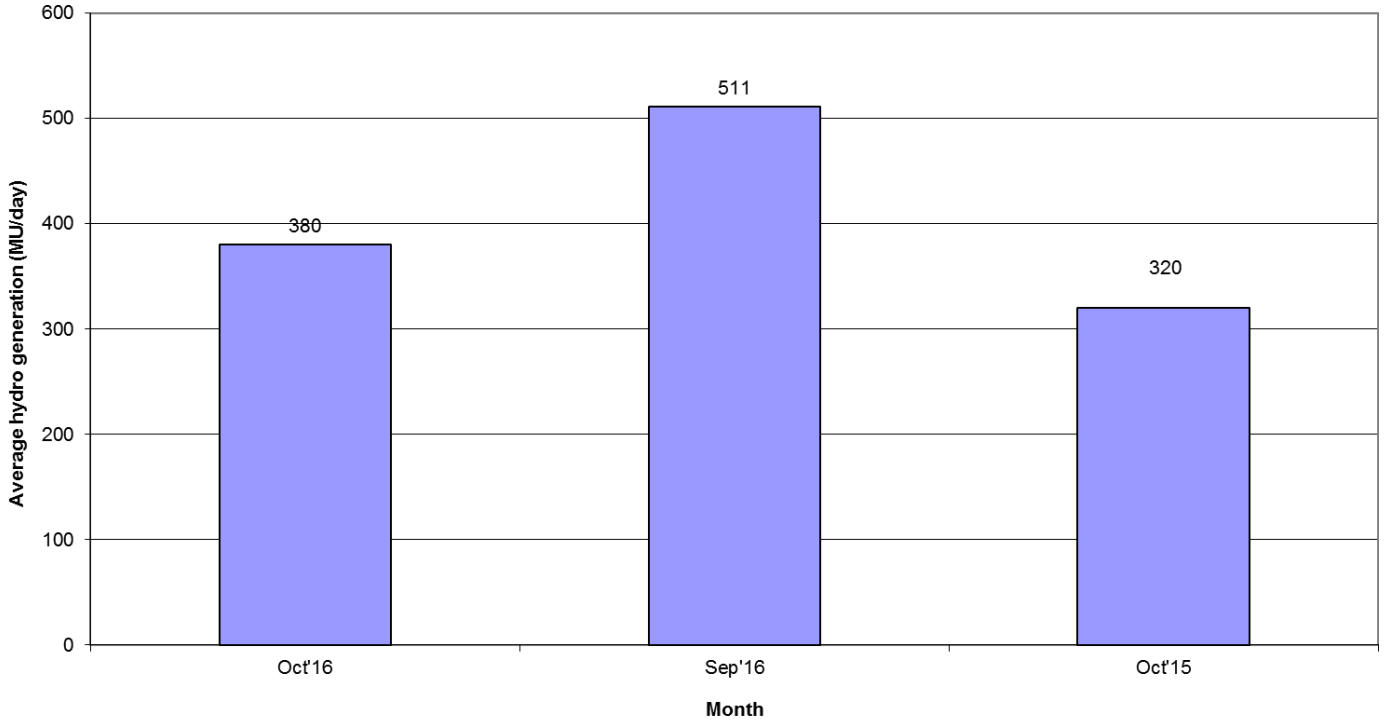


1. SUMMARY OF REPORT FOR THE MONTH OF OCTOBER 2016

Average Hydro Generation

Decreased by 25.53% as compared to Sep 2016

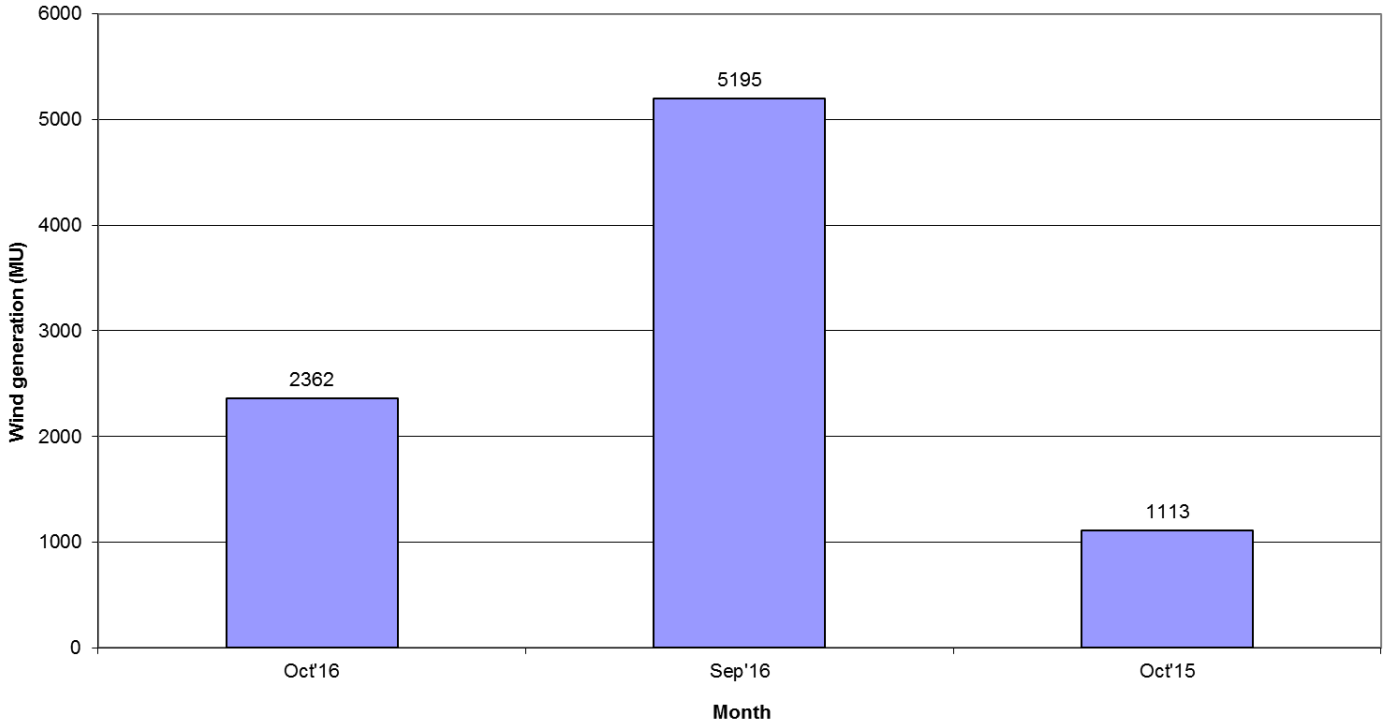
Increased by 18.83% as compared to Oct 2015



Wind Generation

Decreased by 54.54% as compared to Sep 2016

Increased by 112.23% as compared to Oct 2015

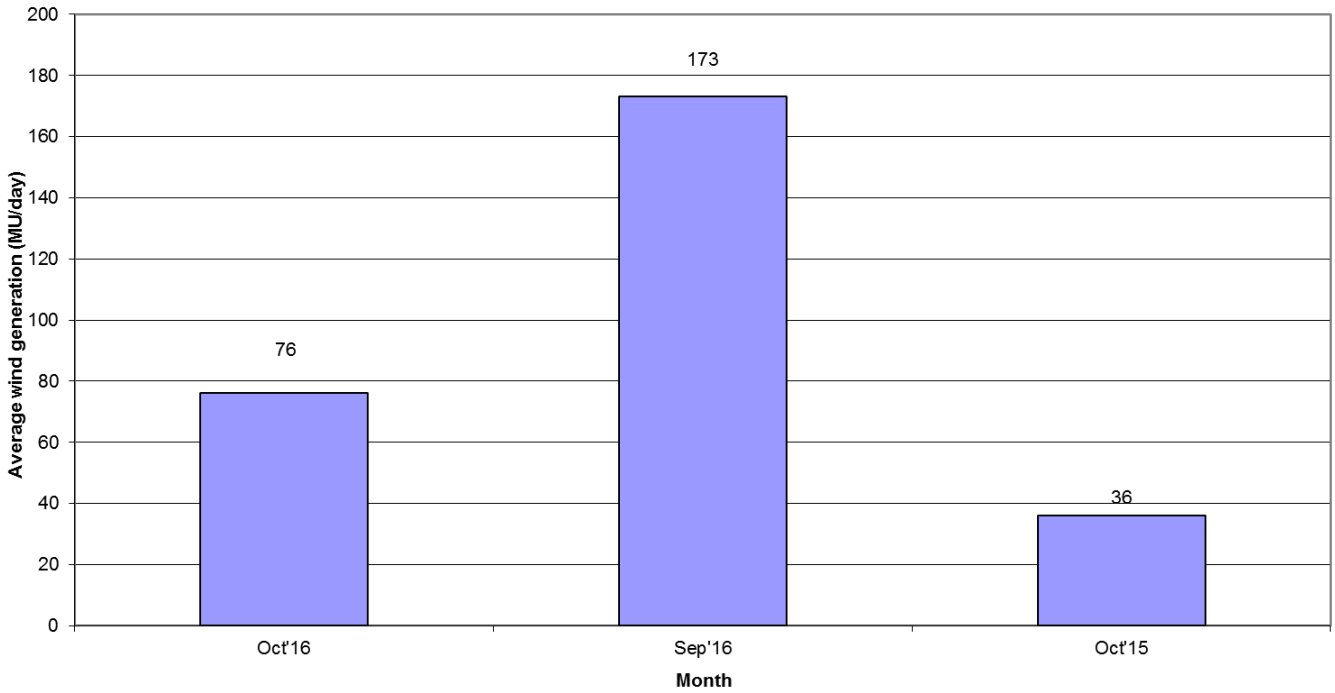


1. SUMMARY OF REPORT FOR THE MONTH OF OCTOBER 2016

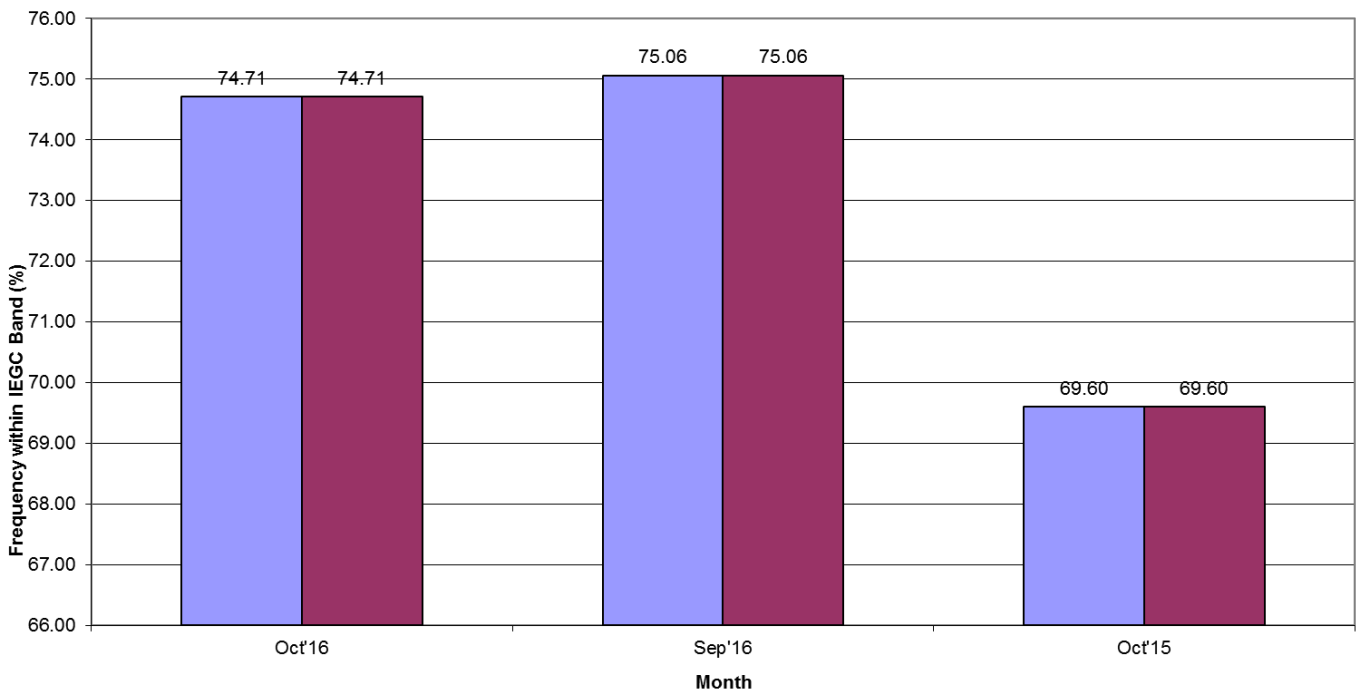
Average wind generation (MU/day)

Decreased by 56.00 % as compared to Sep 2016

Increased by 112.23% as compared to Oct 2015



Frequency within IEGC Band



- W.e.f 17th Feb 2014, IEGC Band has been changed to 49.90 to 50.05 from 49.70 – 50.20

(2) ALL INDIA REGIONWISE INSTALLED CAPACITY

As on 31.10.2016
(All figures are in MW)

S No	Region	THERMAL				NUCLEAR	HYDRO	RES @ MNRE	GRAND TOTAL
		COAL	GAS	DIESEL	TOTAL				
1	NR	46524	5556	0	52080	1620	18377	8976	81053
2	WR	72123	11203	0	83326	1840	7448	15818	108432
3	SR	37043	6474	843	44359	2320	11668	20278	78625
4	ER	30493	100	0	30593	0	4378	564	35535
5	NER	310	1724	36	2070	0	1242	269	3581
6	ISLANDS	0	0	40	40	0	0	11	51
		186492	25057	919	212468	5780	43112	45917	307278

Remarks: Data from CEA website

3. राष्ट्रीय स्तर पर संध्याकालीन शिखर विद्युत मांग पूर्ति

PEAK DEMAND MET AT NATIONAL LEVEL

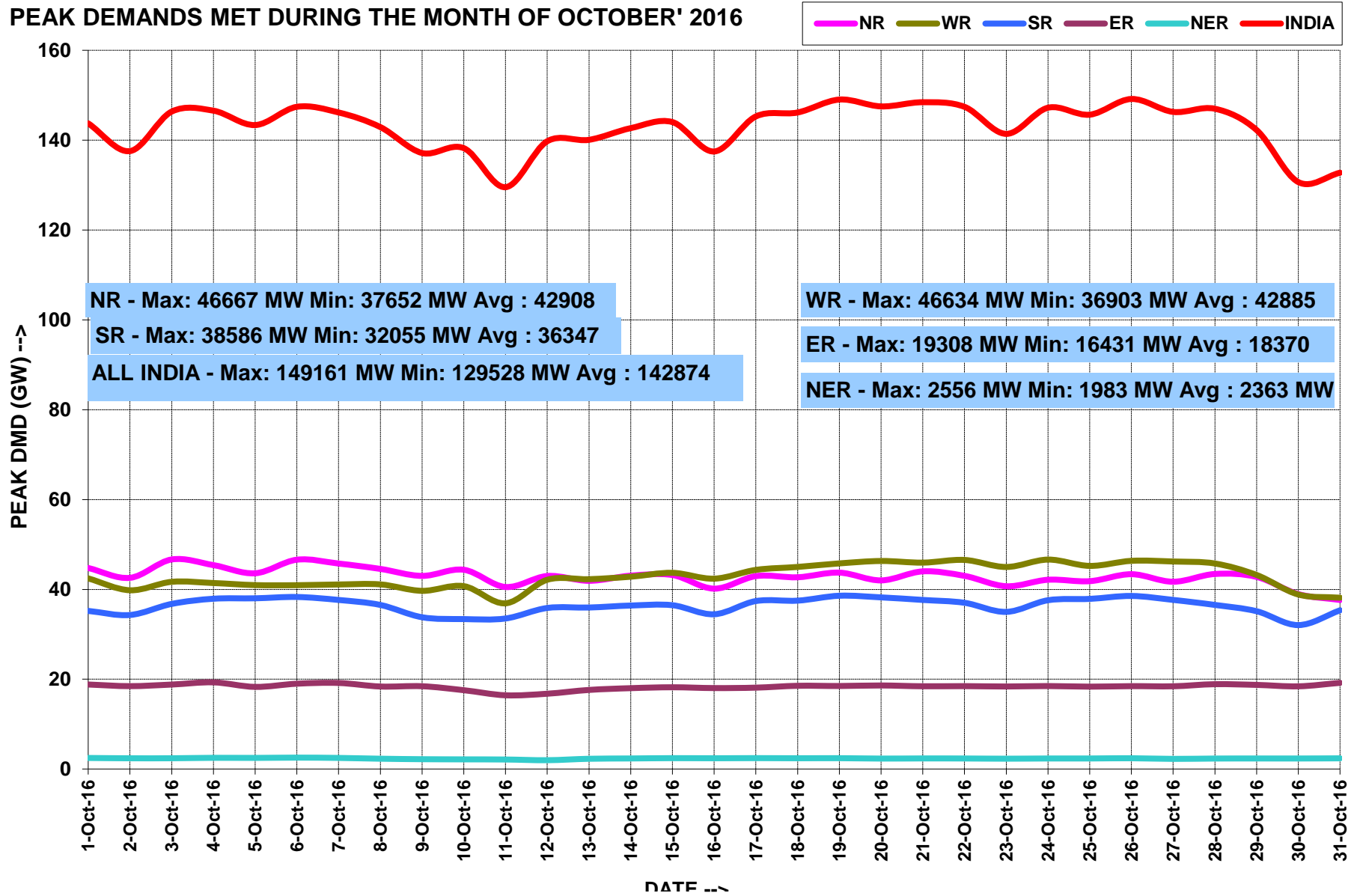
माह:-अक्तूबर 2016 MONTH:- October 2016

सभी आंकड़े मेगावाट मे All figures in MW

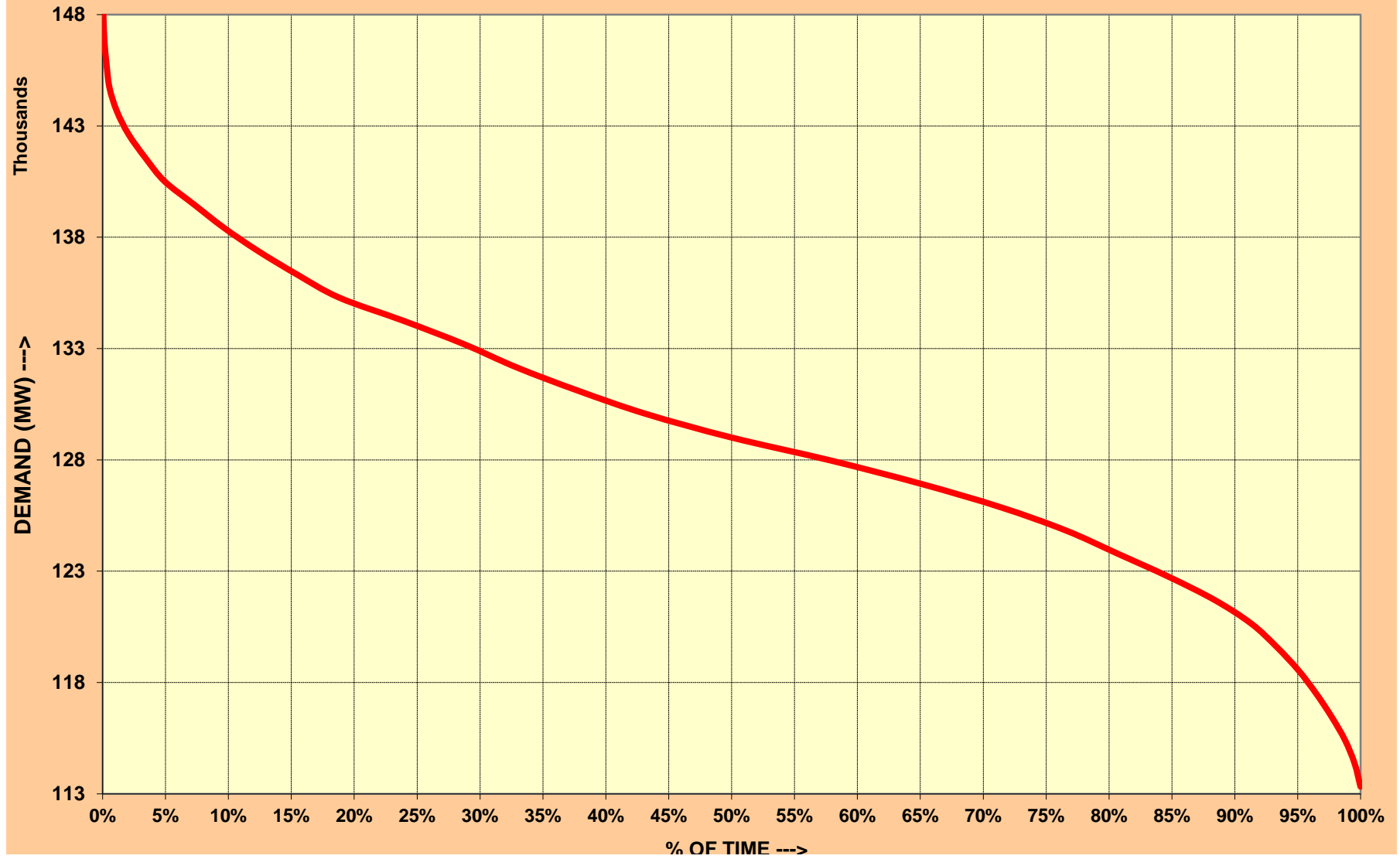
दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Oct-16	44763	42447	35210	18827	2479	143726
02-Oct-16	42576	39807	34306	18466	2408	137563
03-Oct-16	46667	41685	36771	18820	2414	146357
04-Oct-16	45404	41416	37920	19308	2511	146559
05-Oct-16	43592	40953	38017	18301	2492	143355
06-Oct-16	46609	40934	38311	19011	2556	147422
07-Oct-16	45753	41093	37650	19173	2488	146157
08-Oct-16	44560	41112	36538	18383	2312	142905
09-Oct-16	43005	39679	33800	18446	2204	137134
10-Oct-16	44369	40724	33393	17562	2166	138214
11-Oct-16	40535	36903	33524	16431	2135	129528
12-Oct-16	42982	42146	35864	16778	1983	139753
13-Oct-16	41912	42271	35966	17622	2298	140069
14-Oct-16	43058	42823	36406	18015	2369	142671
15-Oct-16	43198	43688	36478	18215	2438	144017
16-Oct-16	40169	42391	34465	18036	2415	137475
17-Oct-16	42955	44342	37405	18131	2445	145278
18-Oct-16	42701	44998	37496	18543	2415	146153
19-Oct-16	43731	45787	38586	18496	2432	149032
20-Oct-16	42004	46324	38223	18615	2344	147510
21-Oct-16	44013	45958	37652	18437	2377	148438
22-Oct-16	43008	46554	37018	18467	2364	147411
23-Oct-16	40703	44990	34996	18387	2318	141395
24-Oct-16	42145	46634	37587	18486	2365	147217
25-Oct-16	41831	45232	37888	18353	2365	145669
26-Oct-16	43384	46356	38538	18466	2417	149161
27-Oct-16	41705	46208	37659	18436	2275	146283
28-Oct-16	43432	45765	36541	18900	2352	146990
29-Oct-16	42782	43210	35143	18743	2367	142245
30-Oct-16	38953	38863	32055	18426	2362	130659
31-Oct-16	37652	38149	35350	19202	2398	132751
उच्चतम MAXIMUM	46667	46634	38586	19308	2556	149161
निम्नतम MINIMUM	37652	36903	32055	16431	1983	129528
औसत AVERAGE	42908	42885	36347	18370	2363	142874
अब तक का उच्चतम All Time Max.	51816	47617	39363	19308	2556	156058
दिनांक Date	14.09.16	20.10.15	23.08.16	04.10.16	06.10.16	09.09.16

नोट : सभी आंकड़े 1900 बजे की मांगपूर्ति पर आधारित हैं । Note: The above figures corresponds to value at 1900 Hrs

PEAK DEMANDS MET DURING THE MONTH OF OCTOBER' 2016



ALL INDIA LOAD DURATION CURVE FOR OCTOBER' 2016



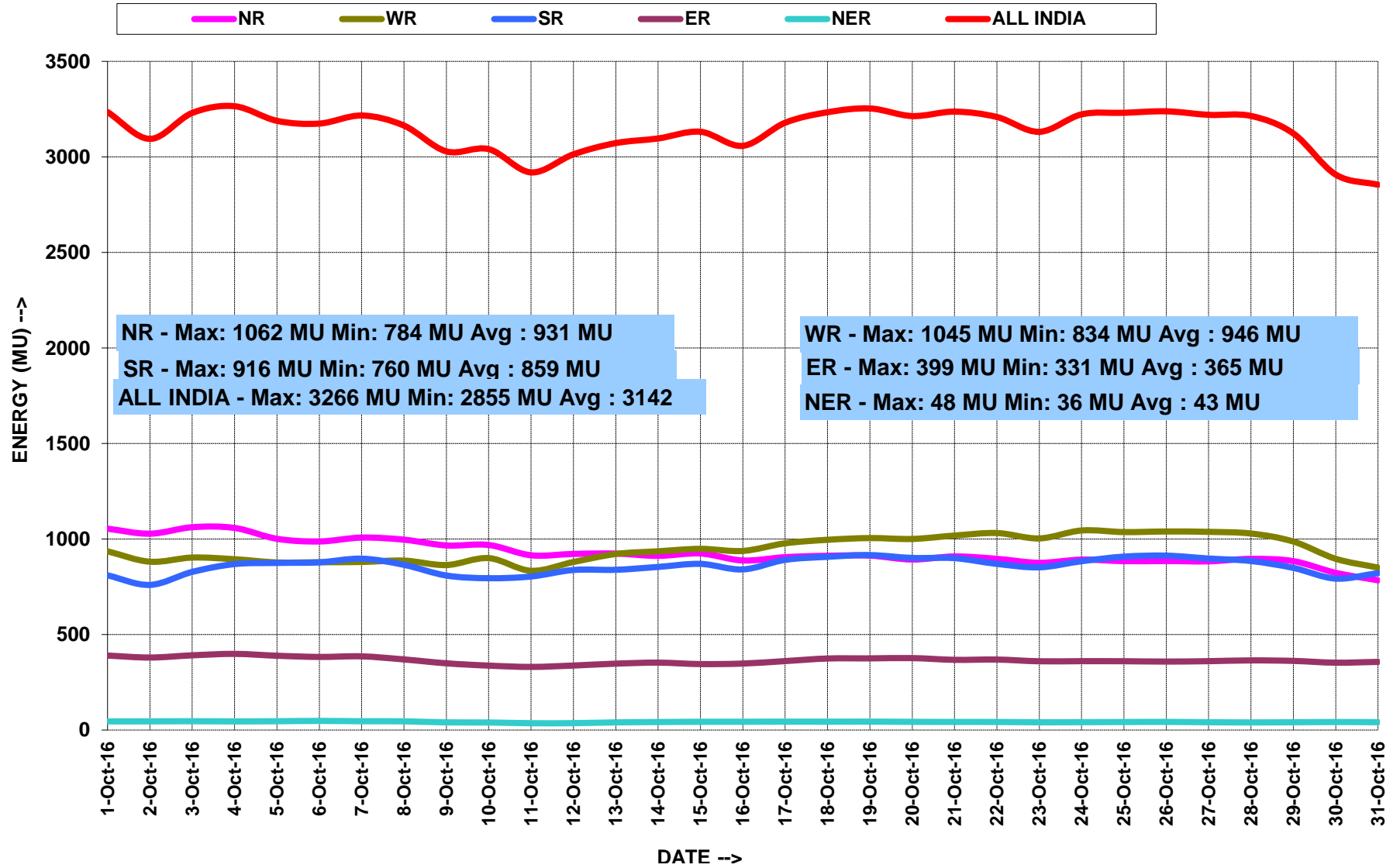
4. राष्ट्रीय स्तर पर विद्युत ऊर्जा आपूर्ति ENERGY MET AT NATIONAL LEVEL

माह:-अक्टूबर 2016 MONTH:- October 2016

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Oct-16	1054	936	810	390	46	3235
02-Oct-16	1028	881	760	380	46	3095
03-Oct-16	1062	903	828	391	46	3231
04-Oct-16	1058	894	869	399	45	3266
05-Oct-16	1001	878	875	389	46	3189
06-Oct-16	987	879	878	383	48	3175
07-Oct-16	1008	880	897	386	46	3217
08-Oct-16	997	887	865	370	46	3164
09-Oct-16	967	864	809	350	40	3029
10-Oct-16	969	900	795	337	40	3041
11-Oct-16	915	834	804	331	36	2919
12-Oct-16	922	880	838	338	36	3014
13-Oct-16	924	922	839	348	40	3073
14-Oct-16	912	936	854	353	42	3097
15-Oct-16	925	949	870	346	43	3132
16-Oct-16	888	938	841	348	44	3058
17-Oct-16	905	978	891	361	44	3179
18-Oct-16	912	996	907	375	44	3234
19-Oct-16	913	1005	916	375	44	3254
20-Oct-16	893	1001	901	377	43	3214
21-Oct-16	909	1018	900	368	43	3237
22-Oct-16	896	1031	870	369	42	3209
23-Oct-16	876	1003	852	360	41	3132
24-Oct-16	892	1045	884	361	41	3223
25-Oct-16	884	1037	908	360	42	3231
26-Oct-16	885	1040	913	359	43	3239
27-Oct-16	883	1038	898	361	41	3221
28-Oct-16	896	1029	885	365	40	3215
29-Oct-16	884	987	849	362	41	3123
30-Oct-16	823	897	793	353	42	2908
31-Oct-16	784	850	822	357	41	2855
कुल TOTAL	28853	29314	26621	11300	1323	97411
उच्चतम MAXIMUM	1062	1045	916	399	48	3266
निम्नतम MINIMUM	784	834	760	331	36	2855
औसत AVERAGE	931	946	859	365	43	3142
अब तक का उच्चतम All Time Max.	1208	1131	945	409	50	3540
दिनांक Date	30.06.16	20.10.15	28.04.16	20.04.16	24.08.16	10.09.16

ENERGY MET DURING THE MONTH OF OCTOBER' 2016



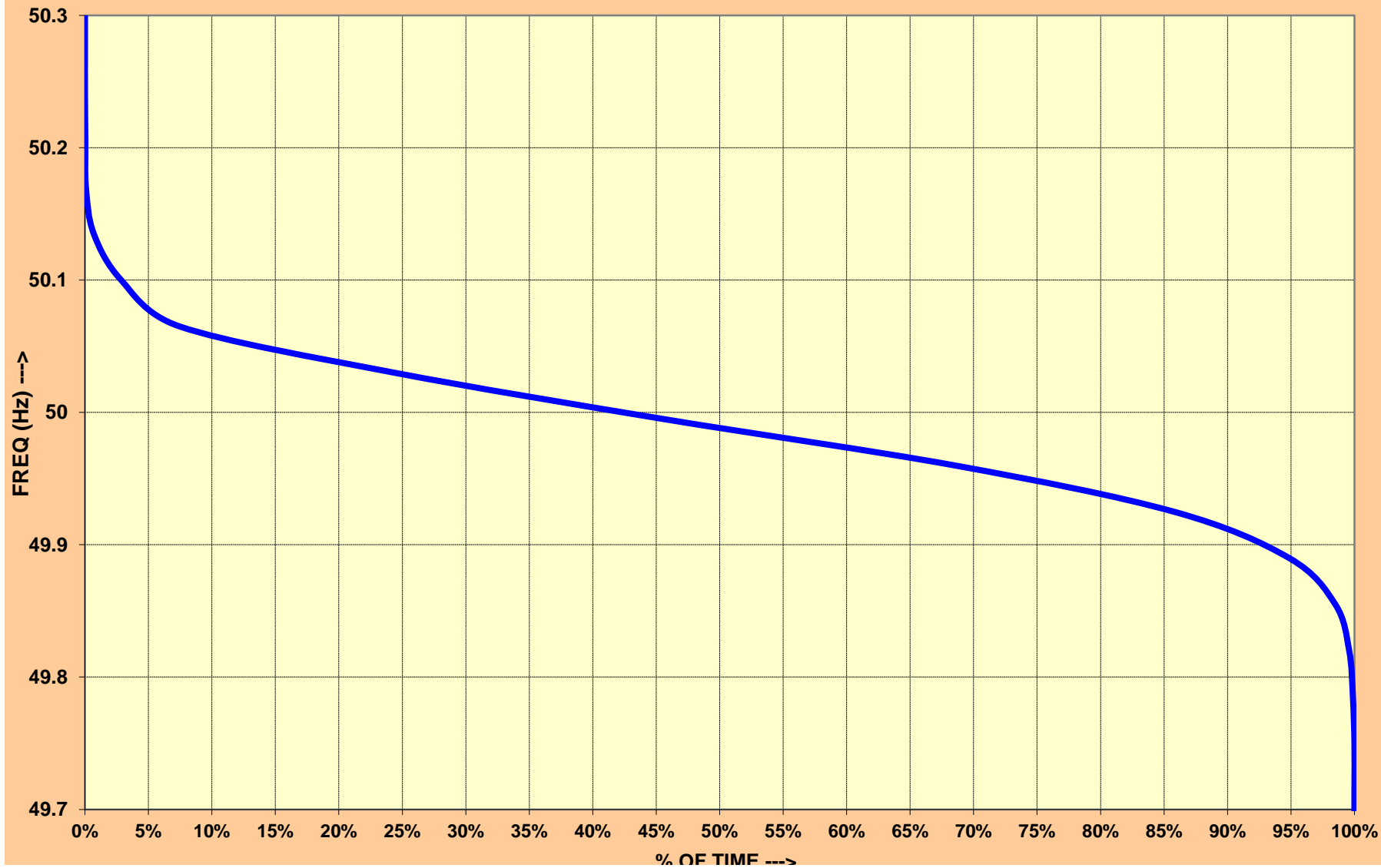
5.वर्ष 2016-17 के लिए आवृत्ति रूपरेखा FREQUENCY PROFILE FOR YEAR 2016-17

राष्ट्रीय गिड NATIONAL GRID									
फ्रिक्वेंसी रूपरेखा (Hz)			49.0-49.9	<49.9	49.9-50.05	>50.05	उच्चतम फ्रिक्वेंसी	निम्नतम फ्रिक्वेंसी	औसत फ्रिक्वेंसी
% समय	Oct-16	All India Grid	5.52	5.52	74.71	19.76	50.25	49.76	50.00
	Sep-16		6.17	6.17	75.06	18.76	50.24	49.67	50.00
	Aug-16		5.93	5.93	73.06	21.00	50.35	49.65	50.00
	Jul-16		3.94	3.94	72.34	23.72	50.35	49.69	50.01
	Jun-16		7.66	7.66	74.07	18.26	50.37	49.65	49.99
	May-16		6.69	6.69	69.80	23.52	50.44	49.56	50.00
	Apr-16		12.87	12.87	69.99	17.14	50.32	49.64	49.98

5.2 अक्टूबर 2016 के लिए आवृत्ति रूपरेखा FREQUENCY PROFILE FOR OCTOBER 2016

फ़्रिक्वेंसी रूपरेखा (Hz)		<49.0	49.0-49.9	<49.9	49.9-50.05	>50.05	उच्चतम फ़्रिक्वेंसी	निम्नतम फ़्रिक्वेंसी	औसत फ़्रिक्वेंसी
% समय	01-Oct-16	0.00	4.84	4.84	78.77	16.39	50.17	49.79	49.99
	02-Oct-16	0.00	2.56	2.56	71.26	26.18	50.25	49.80	50.02
	03-Oct-16	0.00	5.85	5.85	72.58	21.57	50.17	49.78	49.99
	04-Oct-16	0.00	2.96	2.96	73.68	23.36	50.16	49.81	50.01
	05-Oct-16	0.00	1.99	1.99	74.36	23.65	50.22	49.84	50.01
	06-Oct-16	0.00	3.95	3.95	79.17	16.89	50.19	49.86	50.00
	07-Oct-16	0.00	6.02	6.02	80.88	13.10	50.16	49.83	49.99
	08-Oct-16	0.00	1.18	1.18	76.39	22.43	50.25	49.84	50.02
	09-Oct-16	0.00	0.53	0.53	70.68	28.78	50.19	49.85	50.02
	10-Oct-16	0.00	2.35	2.35	65.78	31.88	50.22	49.82	50.03
	11-Oct-16	0.00	0.95	0.95	71.06	27.99	50.22	49.85	50.02
	12-Oct-16	0.00	4.19	4.19	79.04	16.77	50.23	49.82	50.00
	13-Oct-16	0.00	7.21	7.21	78.07	14.72	50.18	49.81	49.99
	14-Oct-16	0.00	8.16	8.16	73.56	18.28	50.19	49.77	49.99
	15-Oct-16	0.00	2.65	2.65	79.51	17.84	50.17	49.84	50.00
	16-Oct-16	0.00	1.34	1.34	75.98	22.67	50.19	49.81	50.01
	17-Oct-16	0.00	7.22	7.22	75.34	17.44	50.20	49.78	49.99
	18-Oct-16	0.00	5.37	5.37	78.92	15.71	50.18	49.83	49.99
	19-Oct-16	0.00	7.11	7.11	80.53	12.36	50.19	49.79	49.99
	20-Oct-16	0.00	13.21	13.21	74.25	12.55	50.25	49.76	49.98
	21-Oct-16	0.00	10.88	10.88	73.65	15.47	50.21	49.80	49.98
	22-Oct-16	0.00	10.88	10.88	73.65	15.47	50.21	49.80	49.98
	23-Oct-16	0.00	1.52	1.52	68.39	30.09	50.24	49.83	50.01
	24-Oct-16	0.00	2.00	2.00	68.89	29.11	50.18	49.86	50.01
	25-Oct-16	0.00	10.74	10.74	74.10	15.16	50.16	49.79	49.98
	26-Oct-16	0.00	14.70	14.70	74.32	10.98	50.22	49.78	49.97
	27-Oct-16	0.00	6.77	6.77	76.69	16.54	50.21	49.77	49.99
	28-Oct-16	0.00	14.25	14.25	76.72	9.03	50.18	49.77	49.97
	29-Oct-16	0.00	3.40	3.40	78.29	18.31	50.17	49.83	50.00
	30-Oct-16	0.00	2.57	2.57	73.04	24.39	50.20	49.83	50.01
	31-Oct-16	0.00	3.87	3.87	68.54	27.59	50.19	49.81	50.01

ALL INDIA FREQUENCY DURATION CURVE FOR OCTOBER' 2016



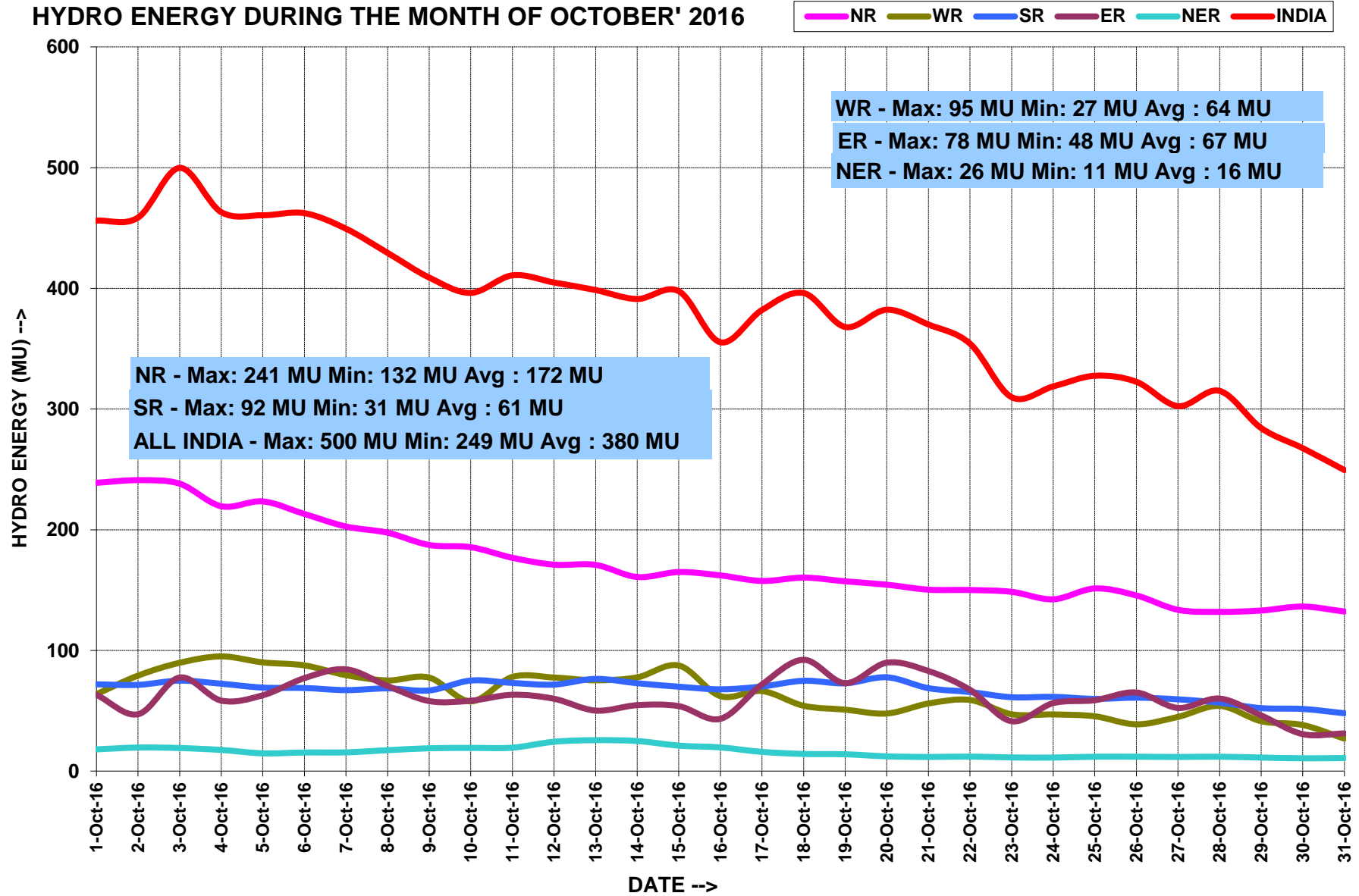
6.राष्ट्रीय स्तर पर जल विद्युत उत्पादन
HYDRO GENERATION AT NATIONAL LEVEL

माह:-अक्टूबर 2016 MONTH:- October 2016

सभी आकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Oct-16	239	64	63	72	18	456
02-Oct-16	241	79	47	72	20	459
03-Oct-16	238	90	78	75	19	500
04-Oct-16	220	95	59	72	18	463
05-Oct-16	224	90	63	69	15	461
06-Oct-16	213	88	77	69	16	462
07-Oct-16	203	80	84	67	16	449
08-Oct-16	198	75	71	69	17	429
09-Oct-16	187	78	58	67	19	409
10-Oct-16	186	58	58	75	19	396
11-Oct-16	177	78	63	73	20	411
12-Oct-16	171	78	60	72	24	405
13-Oct-16	171	75	50	76	26	399
14-Oct-16	161	78	55	73	25	391
15-Oct-16	165	88	54	70	21	398
16-Oct-16	162	62	43	68	20	355
17-Oct-16	158	66	72	70	16	382
18-Oct-16	160	54	92	75	14	396
19-Oct-16	157	51	73	73	14	368
20-Oct-16	155	48	90	78	12	382
21-Oct-16	150	56	83	69	12	370
22-Oct-16	150	59	67	66	12	354
23-Oct-16	149	47	41	61	11	310
24-Oct-16	142	47	56	62	11	319
25-Oct-16	151	46	59	60	12	328
26-Oct-16	146	39	65	61	12	323
27-Oct-16	134	45	52	60	12	302
28-Oct-16	132	54	60	57	12	315
29-Oct-16	133	41	46	52	11	284
30-Oct-16	136	38	31	52	11	268
31-Oct-16	132	27	31	48	11	249
कुल TOTAL	5340	1973	1904	2081	496	11794
उच्चतम MAXIMUM	241	95	92	78	26	500
निम्नतम MINIMUM	132	27	31	48	11	249
औसत AVERAGE	172	64	61	67	16	380
अब तक का उच्चतम All Time Max.	389	167	202	94	29	712
दिनांक Date	18.08.15	18.12.14	09.08.13	09.09.14	27.08.15	27.08.13

HYDRO ENERGY DURING THE MONTH OF OCTOBER' 2016



7. राष्ट्रीय स्तर पर पवन ऊर्जा उत्पादन
WIND GENERATION AT NATIONAL LEVEL

माह:-अक्टूबर 2016

MONTH:- October 2016

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Oct-16	5	29	101	-----	-----	135
02-Oct-16	6	28	70	-----	-----	104
03-Oct-16	7	27	59	-----	-----	93
04-Oct-16	5	35	87	-----	-----	127
05-Oct-16	6	42	79	-----	-----	126
06-Oct-16	4	31	85	-----	-----	119
07-Oct-16	9	18	84	-----	-----	111
08-Oct-16	13	22	102	-----	-----	136
09-Oct-16	20	30	102	-----	-----	151
10-Oct-16	8	31	104	-----	-----	142
11-Oct-16	10	22	88	-----	-----	119
12-Oct-16	17	20	47	-----	-----	85
13-Oct-16	19	13	19	-----	-----	51
14-Oct-16	14	10	16	-----	-----	39
15-Oct-16	9	8	15	-----	-----	32
16-Oct-16	5	10	12	-----	-----	27
17-Oct-16	4	13	14	-----	-----	31
18-Oct-16	14	20	13	-----	-----	47
19-Oct-16	17	22	23	-----	-----	62
20-Oct-16	15	19	18	-----	-----	51
21-Oct-16	14	18	16	-----	-----	47
22-Oct-16	15	18	29	-----	-----	62
23-Oct-16	15	15	41	-----	-----	71
24-Oct-16	24	20	31	-----	-----	75
25-Oct-16	14	13	17	-----	-----	43
26-Oct-16	8	16	12	-----	-----	36
27-Oct-16	3	20	15	-----	-----	39
28-Oct-16	4	18	33	-----	-----	55
29-Oct-16	13	11	40	-----	-----	64
30-Oct-16	5	14	15	-----	-----	34
31-Oct-16	6	25	20	-----	-----	50
कुल TOTAL	322	636	1403	-----	-----	2362
उच्चतम MAXIMUM	24	42	104	-----	-----	151
निम्नतम MINIMUM	3	8	12	-----	-----	27
औसत AVERAGE	10	21	45	-----	-----	76
अब तक का उच्चतम All Time Max.	41	140	155	310
दिनांक Date	06.07.16	15.06.16	11.07.16	15.06.16

8. ACTUAL POWER SUPPLY POSITION - Oct 2016

REGION	STATE	Requirement/Availability in MU/DAY			Requirement/Availability in MU				Peak Demand/Peak Met in MW			
		Requirement	Energy met	Surplus(+)/ Deficit(-)	Requirement	Energy met	Surplus(+)/ Deficit(-)	% Shortage	Requirement	Peak Demand Met	Surplus(+)/ Deficit(-)	% Shortage
NR	Chandigarh	4.0	4.0	0.0	125.2	125.2	0.0	0.0	280	280	0	0.0
	Delhi	83.5	83.5	0.0	2589.6	2588.4	-1.2	0.0	5320	5320	0	0.0
	Haryana	134.1	134.1	0.0	4156.8	4156.8	0.0	0.0	8181	8181	0	0.0
	H.P.	25.9	25.9	-0.1	803.4	801.6	-1.7	-0.2	1342	1342	0	0.0
	J&K	46.5	36.6	-9.9	1440.4	1134.1	-306.3	-21.3	2480	1984	-496	-20.0
	Punjab	135.5	135.5	0.0	4201.9	4201.9	0.0	0.0	8462	8462	0	0.0
	Rajasthan	189.7	188.5	-1.2	5881.5	5845.0	-36.5	-0.6	9046	9016	-30	-0.3
	U.P.	292.3	290.0	-2.3	9060.1	8989.7	-70.4	-0.8	15398	15398	0	0.0
	Uttarakhand	35.4	35.4	0.0	1096.1	1096.1	0.0	0.0	1972	1972	0	0.0
NFF/Railway	2.2	2.2	0.0	67.0	67.0	0.0	0.0	101	101	0	0.0	
TOTAL	949.1	935.7	-13.4	29422.0	29005.9	-416.2	-1.4	48963	48514	-449	-0.9	
WR	Gujarat	275.8	275.8	0.0	8549.6	8549.6	0.0	0.0	14523	14533	10	0.1
	Madhya Pradesh	171.0	170.9	-0.1	5299.7	5297.8	-1.9	0.0	9000	9006	6	0.1
	Chhattisgarh	71.1	71.0	-0.1	2203.5	2201.9	-1.6	-0.1	3441	3436	-5	-0.1
	Maharashtra	391.8	391.8	0.0	12147.1	12147.1	0.0	0.0	20988	20951	-37	-0.2
	Goa	8.7	8.7	0.0	268.6	268.6	0.0	0.0	488	487	0	-0.1
	D&D	6.7	6.7	0.0	208.6	208.6	0.0	0.0	328	328	0	0.0
	DNH	16.9	16.9	0.0	524.5	524.5	0.0	0.0	780	780	0	0.0
	ESIL	8.0	8.0	0.0	246.8	246.8	0.0	0.0	779	779	0	0.0
TOTAL	949.9	949.8	-0.1	29448.4	29444.9	-3.5	0.0	47695	47662	-33	-0.1	
SR	Andhra Pradesh	155.5	155.5	0.0	4820.8	4820.2	-0.7	0.0	7404	7404	0	0.0
	Telangana	147.0	147.0	0.0	4557.8	4557.1	-0.7	0.0	7789	7789	0	0.0
	KPTCL	193.1	193.0	0.0	5984.6	5983.7	-0.9	0.0	9574	9574	0	0.0
	KSEB	64.5	64.5	0.0	2000.4	1999.5	-0.9	0.0	3607	3604	-3	-0.1
	TNEB	292.3	292.2	0.0	9060.4	9059.1	-1.3	0.0	14688	14688	0	0.0
	PONDICHERRY	6.6	6.6	0.0	205.8	205.8	0.0	0.0	338	338	0	0.0
TOTAL	859.0	858.9	-0.1	26629.8	26625.4	-4.4	0.0	41647	41610	-37	-0.1	
ER	Bihar	72.2	67.8	-4.4	2238.0	2101.0	-137.0	-6.1	3700	3771	71	1.9
	JSEB	25.2	22.6	-2.5	780.0	701.0	-79.0	-10.1	1200	1200	0	0.0
	DVC	55.3	62.1	6.8	1715.0	1926.0	211.0	12.3	2810	2776	-34	-1.2
	Odisha	80.4	72.7	-7.6	2492.0	2255.0	-237.0	-9.5	4250	4012	-238	-5.6
	West Bengal	140.7	116.7	-24.0	4362.0	3619.0	-743.0	-17.0	8019	8750	731	9.1
	Sikkim	1.1	1.0	-0.1	35.0	32.0	-3.0	-8.6	85	86	1	1.2
TOTAL	374.9	343.0	-31.9	11622.0	10634.0	-988.0	-8.5	19479	19634	155	0.8	
NER	Arunachal Pradesh	2.0	2.0	0.0	63.5	63.5	0.0	0.0	128	126	-2	-1.6
	Assam	26.9	25.3	-1.6	835.0	785.8	-49.1	-5.9	1677	1615	-62	-3.7
	Manipur	2.1	2.0	0.0	64.2	63.1	-1.1	-1.8	145	145	0	0.0
	MeSEB	4.8	4.8	0.0	149.0	149.0	0.0	0.0	301	301	0	0.0
	Mizoram	1.3	1.3	0.0	41.8	41.6	-0.2	-0.4	95	95	0	0.0
	Nagaland	2.2	2.2	0.0	69.3	69.2	-0.1	-0.1	130	130	0	0.0
	Tripura	4.3	4.0	-0.2	131.9	125.5	-6.4	-4.8	284	284	0	0.0
TOTAL	43.7	41.9	-1.8	1355	1298	-56.9	-4.2	2760	2696	-64	-2.3	
ALL INDIA		3176.7	3129.3	-47.4	98477.0	97007.9	-1469.0	-1.5	160545	160116	-429	-0.3

9. ENERGY COMPARISON OF OCTOBER 2016 vs OCTOBER 2015

REGION	STATE	Energy Requirement (MU)					Energy Met (MU)				
		Oct-15	Oct-16	Difference	% Change	Average MU/day for Oct-16	Oct-15	Oct-16	Difference	% Change	Average for MU/day for Oct 16
NR	Chandigarh	123	125	2	2	4	123	125	2	2	4
	Delhi	2473	2590	117	5	84	2472	2588	117	5	83
	Haryana	4220	4157	-63	-1	134	4220	4157	-63	-1	134
	H.P.	746	803	57	8	26	743	802	58	8	26
	J&K	1357	1440	84	6	46	1156	1134	-22	-2	37
	Punjab	3938	4202	264	7	136	3938	4202	264	7	136
	Rajasthan	6302	5881	-420	-7	190	6295	5845	-450	-7	189
	U.P.	9287	9060	-227	-2	292	8105	8990	885	11	290
	Uttarakhand	1065	1096	31	3	35	1065	1096	31	3	35
	NFF/Railway	72	67	-5	-7	2	72	67	-5	-7	2
TOTAL	29583	29422	-161	-1	949	28190	29006	816	3	936	
WR	Gujarat	9613	8550	-1064	-11	276	9607	8550	-1057	-11	276
	Madhya Pradesh	6557	5300	-1257	-19	171	6554	5298	-1257	-19	171
	Chhattisgarh	2649	2203	-445	-17	71	2615	2202	-413	-16	71
	Maharashtra	13513	12147	-1366	-10	392	13358	12147	-1211	-9	392
	Goa	273	269	-4	-2	9	273	269	-4	-2	9
	D&D	202	209	7	3	7	202	209	7	3	7
	DNH	492	524	32	6	17	492	524	32	7	17
	ESIL	115	247	132	115	8	115	247	132	116	8
TOTAL	33414	29448	-3965	-12	950	33215	29445	-3770	-11	950	
SR	Andhra Pradesh	4341	4821	480	11	156	4338	4820	483	11	155
	Telangana	4531	4558	27	1	147	4528	4557	30	1	147
	KPTCL	5428	5985	557	10	193	4696	5984	1287	27	193
	KSEB	1904	2000	96	5	65	1898	2000	102	5	65
	TNEB	8330	9060	730	9	292	8324	9059	735	9	292
	PONDY	199	206	7	3	7	199	206	7	4	7
	TOTAL	24733	26630	1897	8	859	23982	26625	2643	11	859
ER	Bihar	2228	2238	10	0	72	2060	2101	41	2	68
	JSEB	725	780	55	8	25	722	701	-21	-3	23
	DVC	1785	1715	-70	-4	55	1780	1926	146	8	62
	Odisha	2418	2492	74	3	80	2418	2255	-163	-7	73
	West Bengal	4553	4362	-191	-4	141	4544	3619	-925	-20	117
	Sikkim	25	35	10	39	1	25	32	7	27	1
TOTAL	11734	11622	-112	-1	375	11549	10634	-915	-8	343	
NER	Arunachal Pradesh	61	64	3	5	2	60	64	4	6	2
	Assam	811	835	24	3	27	729	786	57	8	25
	Manipur	70	64	-6	-9	2	70	63	-7	-10	2
	MeSEB	160	149	-11	-7	5	159	149	-10	-6	5
	Mizoram	38	42	4	11	1	37	42	4	12	1
	Nagaland	66	69	3	5	2	65	69	4	6	2
	Tripura	124	132	8	6	4	107	125	19	18	4
TOTAL	1329	1355	26	2	44	1227	1298	71	6	42	
ALL INDIA	100793	98477	-2316	-2	3177	98164	97008	-1156	-1	3129	

10. DEMAND COMPARISON OF OCTOBER 2016 vs OCTOBER 2015

REGION	STATE	Peak Requirement (MW)				Peak Met (MW)			
		Oct-15	Oct-16	Difference	% Change	Oct-15	Oct-16	Difference	% Change
NR	Chandigarh	237	280	43	18.1	237	280	43	18.1
	Delhi	4481	5320	839	18.7	4481	5320	839	18.7
	Haryana	7962	8181	219	2.8	7962	8181	219	2.8
	H.P.	1338	1342	4	0.3	1338	1342	4	0.3
	J&K	2362	2480	118	5.0	2004	1984	-20	-1.0
	Punjab	8062	8462	400	5.0	8062	8462	400	5.0
	Rajasthan	9453	9046	-407	-4.3	9453	9016	-437	-4.6
	U.P.	16037	15398	-639	-4.0	13134	15398	2264	17.2
	Uttarakhand	1865	1972	107	5.7	1865	1972	107	5.7
	NFF/Railway	102	101	-1	-1.0	102	101	-1	-1.0
WR	Gujarat	14553	14523	-30	0	14523	14533	10	0.1
	Madhya Pradesh	10115	9000	-1115	-11	10108	9006	-1102	-10.9
	Chhattisgarh	4068	3441	-627	-15	3913	3436	-477	-12.2
	Maharashtra	21443	20988	-455	-2	21064	20951	-113	-0.5
	Goa	448	488	40	9	448	487	39	8.8
	D&D	312	328	16	5.1	312	328	16	5.1
	DNH	729	780	51	7.0	729	780	51	7.0
	ESIL	387	779.26	392	101.4	387	779.26	392	101.4
SR	Andhra Pradesh	6938	7404	466	6.7	6913	7404	491	7.1
	Telangana	6849	7789	940	13.7	6849	7789	940	13.7
	KPTCL	9045	9574	529	5.8	7460	9574	2114	28.3
	KSEB	3479	3607	128	3.7	3479	3604	125	3.6
	TNEB	13307	14688	1380	10.4	13307	14688	1380	10.4
	PONDY	332	338	6	1.8	332	338	6	1.8
ER	Bihar	3554	3700	146	4.1	3459	3771	312	9.0
	JSEB	1147	1200	53	4.6	1147	1200	53	4.6
	DVC	2638	2810	172	6.5	2638	2776	138	5.2
	Odisha	4257	4250	-7	-0.2	4257	4012	-245	-5.8
	West Bengal	7976	8019	43	0.5	7813	8750	937	12.0
	Sikkim	79	85	6	7.2	79	86	7	8.4
NER	Arunachal Pradesh	129	128	-1	-0.8	125	126	1	0.8
	Assam	1404	1677	273	19.5	1329	1615	286	21.5
	Manipur	147	145	-2	-1.4	147	145	-2	-1.4
	MeSEB	324	301	-23	-7.1	322	301	-21	-6.6
	Mizoram	81	95	14	17.5	81	95	14	17.5
	Nagaland	122	130	8	6.6	119	130	11	9.5
	Tripura	270	284	14	5.2	269	284	15	5.5

11. SCHEDULE AND DRAWAL OF CONSTITUENTS - October 2016

REGION	STATE	SCHEDULE (MU)	ACTUAL DRAWAL (MU)	Over drawal(+)/ Under Drawal(-) (MU)	% OD/UD	SCHEDULE (MU/DAY)	ACTUAL DRAWAL (MU/DAY)	Over drawal(+)/ Under Drawal(-) (MU/DAY)
NR	Chandigarh	120.26	141.81	21.55	17.92	3.88	4.57	0.70
	Delhi	2045.49	2051.57	6.08	0.30	65.98	66.18	0.20
	Haryana	2828.95	2849.36	20.41	0.72	91.26	91.91	0.66
	H.P.	393.54	418.63	25.09	6.38	12.69	13.50	0.81
	J&K	844.18	863.65	19.47	2.31	27.23	27.86	0.63
	Punjab	1966.97	1989.66	22.69	1.15	63.45	64.18	0.73
	Rajasthan	1820.18	1913.62	93.44	5.13	58.72	61.73	3.01
	U.P.	3544.41	3513.58	-30.84	-0.87	114.34	113.34	-0.99
	Uttarakhand	584.15	589.17	5.02	0.86	18.84	19.01	0.16
	NFF/Railway	56.20	66.99	10.79	19.19	1.81	2.16	0.35
WR	Gujarat	2149.64	2061.59	-88.05	-4.10	69.34	66.50	-2.84
	Madhya Pradesh	2784.43	2726.36	-58.07	-2.09	89.82	87.95	-1.87
	Maharashtra	3572.57	3577.29	4.72	0.13	115.24	115.40	0.15
	Chhattisgarh	410.53	353.37	-57.16	-13.92	13.24	11.40	-1.84
	Goa	243.74	252.42	8.68	3.56	7.86	8.14	0.28
	D&D	199.95	204.76	4.81	2.40	6.45	6.61	0.16
	D&NH	533.58	524.45	-9.13	-1.71	17.21	16.92	-0.29
	ESIL	239.02	246.84	7.82	3.27	7.71	7.96	0.25
SR	Andhra Pradesh	513.74	600.03	86.29	16.80	16.57	19.36	2.78
	Telangana	2313.45	2351.17	37.72	1.63	74.63	75.84	1.22
	KPTCL	2323.15	2481.01	157.86	6.80	74.94	80.03	5.09
	KSEB	1550.78	1616.72	65.94	4.25	50.03	52.15	2.13
	TNEB	4058.14	4082.72	24.58	0.61	130.91	131.70	0.79
	PONDICHERRY	215.35	205.77	-9.58	-4.45	6.95	6.64	-0.31
ER	Bihar	2110.16	2074.03	-36.13	-1.71	68.07	66.90	-1.17
	JSEB	488.28	512.14	23.86	4.89	15.75	16.52	0.77
	DVC	-886.38	-877.95	8.43	-0.95	-28.59	-28.32	0.27
	GRIDCO	565.00	553.46	-11.54	-2.04	18.23	17.85	-0.37
	WBSEB	1133.75	1145.41	11.66	1.03	36.57	36.95	0.38
	Sikkim	40.72	32.03	-8.68	-21.32	1.31	1.03	-0.28
NER	Arunachal Pradesh	67.64	63.51	-4.12	-6.09	2.18	2.05	-0.13
	Assam	594.44	630.37	35.93	6.04	19.18	20.33	1.16
	Manipur	61.77	63.07	1.30	2.10	1.99	2.03	0.04
	MeSEB	39.76	61.14	21.38	53.78	1.28	1.97	0.69
	Mizoram	39.32	41.63	2.31	5.88	1.27	1.34	0.07
	Nagaland	54.69	56.38	1.69	3.10	1.76	1.82	0.05
	Tripura	113.06	125.88	12.82	11.33	3.65	4.06	0.41

12. INTER REGIONAL EXCHANGES 2016-17

	April'16	May'16	June'16	July'16	Aug'16	Sep'16	Oct'16	Fin. Year 2016-17 (till Oct 2016)
Name of Line								
Import of NR from WR (WR-NR)								
WR - NR 765 kV Gwalior - Agra D/C	1910.35	1673.93	1757.18	1552.71	1581.52	1715.13	1670.79	11861.62
WR-NR 765 kV Gwalior - Phagi D/C	564.39	335.59	543.16	683.11	661.63	712.93	890.73	4391.54
WR - NR HVDC Vindhyachal	127.02	46.28	68.61	16.50	12.08	60.50	44.16	375.15
WR - NR 400 kV Zerda Kankroli	0.00	0.00	0.00	6.94	41.01	17.62	47.45	113.02
WR - NR 400 kV Zerda Bhinmal	0.53	0.00	0.00	14.67	48.89	37.07	62.52	163.68
WR - NR 220 kV Badod - Kota/ Modak	5.71	18.99	8.96	66.48	85.18	50.51	40.57	276.41
WR - NR 220 kV Auraiya - Malanpur/Mehgaon	3.00	1.33	9.69	1.27	4.04	0.00	0.00	19.33
WR - NR 400 kV Vindhyachal-Rihand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WR - NR HVDC Mundra - Mohindergarh	1712.21	1621.73	1598.96	1489.68	1402.69	1536.12	1457.45	10818.83
Total WR - NR	4323.20	3697.86	3986.55	3831.36	3837.04	4129.89	4213.67	28019.57
Import of NR from ER (ER-NR)								
ER - NR 765 kV Sasaram - Fatehpur	0.23	2.45	0.00	41.96	37.84	13.38	33.07	128.93
ER - NR 765 kV Gaya - Varanasi 2*5/C	155.61	69.65	92.50	300.77	346.88	369.90	423.94	1759.25
ER - WR 765 kV Gaya - Balia	94.45	61.38	82.88	86.22	116.28	101.40	178.13	720.74
ER-NR 400 kV Patna - Balia 2xD/C	232.02	347.01	425.62	522.22	350.10	298.05	423.85	2598.88
ER - NR 400 kV Muzaffarpur - Gorakhpur D/C	52.88	106.93	226.36	318.70	264.26	305.21	328.15	1602.49
ER - NR 400 kV Biharshariff - Balia D/C	94.07	53.79	90.69	113.13	132.89	99.09	128.49	712.16
ER - NR 400 kV Barh - G'pur D/C	210.89	277.55	310.57	338.52	292.75	226.71	289.01	1946.01
ER - NR 400 kV Biharshariff - Varanasi D/C	9.30	6.55	2.75	45.93	73.45	39.81	95.99	273.77
ER - NR HVDC Sasaram (Bypass)	128.99	190.08	146.20	87.40	68.26	139.16	60.81	820.91
ER - NR 220 kV Pusaui - Sahupuri	106.82	116.07	134.41	140.71	118.33	46.06	67.05	729.45
ER - NR 132 kV Sahupuri - Karamnasa	14.40	7.14	5.61	0.00	0.00	0.00	0.00	27.15
ER - NR 132 kV Rihand - Son Nagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total ER-NR	1099.66	1238.60	1517.58	1995.57	1801.05	1638.78	2028.49	11319.74
Import of NR from NER (NER-NR)								
NER-NR HVDC Biswanath Chariali - Agra	317.02	284.77	119.29	341.91	437.06	504.86	383.40	2388.30
Total NER - NR	317.02	284.77	119.29	341.91	437.06	504.86	383.40	2388.30
Export of NR to WR (NR-WR)								
NR - WR 765 kV Gwalior - Agra D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - WR 765 kV Gwalior - Phagi D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - WR HVDC Vindhyachal	12.39	85.56	66.01	157.74	233.59	100.55	140.66	796.49
NR - WR 400 kV Zerda Kankroli	137.71	140.87	159.62	58.91	3.86	27.51	7.78	536.26
NR - WR 400 kV Zerda Bhinmal	91.55	100.42	119.36	43.86	2.26	21.67	3.79	382.92
NR - WR 220 kV Badod - Kota/ Modak	12.38	9.08	11.04	3.30	0.00	0.00	3.88	39.68
NR - WR 220 kV Auraiya - Malanpur/Mehgaon	17.40	16.03	3.76	19.45	11.32	23.82	28.68	120.46
NR-WR 400 kV Rihand-Vindhyachal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - WR HVDC Mundra - Mohindergarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total NR - WR	271.43	351.95	359.79	283.25	251.02	173.56	184.79	1875.79
Export of NR to ER (NR-ER)								
NR - ER 765 kV Sasaram - Fatehpur	96.68	101.63	98.39	42.19	62.60	85.72	14.06	501.26
NR - ER 765 kV Gaya - Varanasi 2*5/C	2.36	9.16	18.94	0.00	0.00	0.00	0.00	30.45
NR - ER 765 kV Gaya - Balia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER 400 kV Patna - Balia 2xD/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER 400 kV Muzaffarpur - Gorakhpur D/C	12.38	4.33	0.00	0.00	0.00	0.00	0.00	16.70
NR - ER 400 kV Biharshariff - Balia D/C	0.00	1.25	0.41	0.00	0.00	0.00	0.00	1.66
ER - NR 400 kV Barh - G'pur D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER 400 kV Biharshariff - Varanasi D/C	157.78	64.28	26.62	0.00	6.07	3.07	0.99	258.80
NR - ER HVDC Sasaram (Bypass)	3.72	13.23	4.62	79.53	56.55	4.86	49.29	211.81
NR - ER 220 kV Pusaui - Sahupuri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER 132 kV Sahupuri - Karamnasa	0.00	1.26	21.99	25.35	15.28	21.18	944.56	1029.62
NR - ER 132 kV Rihand - Son Nagar	16.28	17.82	15.35	13.86	15.69	15.63	20.59	115.21
Total NR - ER	289.20	212.96	186.31	160.93	156.19	130.46	1029.48	2165.53
Export of NR to NER (NER-NR)								
NR-NER HVDC Biswanath Chariali - Agra	0.00	0.00	1.25	0.00	0.00	0.00	11.83	13.09
Total NR - NER	0.00	0.00	1.25	0.00	0.00	0.00	11.83	13.09

Export of WR to ER (WR-ER)								
WR - ER 765 kV Ranchi - Dharamjaygarh 2xS/C	58.51	18.86	2.14	94.41	285.38	244.39	162.04	865.72
WR - ER 765 kV Dharamjaygarh - Jharsuguda D/C	0.00	0.00	0.00	0.86	4.01	0.46	1.09	6.42
WR - ER 400 kV Sipat - Ranchi D/C	163.93	99.07	74.53	33.78	156.36	159.93	122.57	810.16
WR - ER 400 kV Raigarh - Sterlite	14.64	19.53	6.38	33.03	18.19	69.43	33.68	194.89
WR - ER 400 kV Raigarh-Ind Bharat	54.26	13.84	28.20	28.57	53.55	70.16	46.45	295.03
WR - ER 400 kV Raigarh-Rourkela	55.15	20.19	24.15	37.03	74.80	87.61	54.60	353.53
WR - ER 400 kV Raigarh - Jharsuguda	77.26	19.59	44.54	44.96	73.04	104.51	64.06	427.96
WR - ER 220 kV Korba - Budhipadar D/C	77.56	74.65	5.19	7.28	10.37	42.85	46.47	264.37
WR - ER 220 kV Raigarh - Budhipadar	5.19	11.58	0.00	0.10	0.00	0.03	0.16	17.07
Total WR - ER	506.50	277.32	185.13	280.02	675.69	779.36	531.11	3235.13
Import of WR from ER (ER - WR)								
ER - WR 765 kV Ranchi - Dharamjaygarh 2xS/C	7.12	28.02	51.27	36.78	1.23	2.00	8.07	134.50
ER - WR 765 kV Dharamjaygarh - Jharsuguda D/C	476.40	392.09	364.14	344.16	220.45	368.97	408.30	2574.52
ER - WR 400 kV Sipat - Ranchi D/C	0.00	0.00	0.06	1.37	0.12	0.12	0.02	1.70
ER - WR 400 kV Raigarh - Sterlite	71.10	4.96	55.60	1.39	31.02	0.67	18.61	183.36
ER - WR 400 kV Raigarh-Ind Bharat	1.90	5.62	0.26	12.37	0.28	0.04	0.43	20.91
ER - WR 400 kV Raigarh-Rourkela	0.12	3.58	0.45	2.62	0.24	0.26	1.23	8.49
ER - WR 400 kV Raigarh - Jharsuguda	2.83	8.89	0.41	1.16	0.47	0.06	0.63	14.44
ER - WR 220 kV Korba - Budhipadar D/C	0.00	0.00	5.02	20.33	12.72	0.43	1.09	39.59
ER - WR 220 kV Raigarh - Budhipadar	9.20	7.63	62.93	70.86	77.57	47.53	51.17	326.89
Total ER - WR	568.67	450.79	540.15	491.05	344.10	420.08	489.57	3304.40
Export of ER to NER (ER - NER)								
ER - NER 400 kV Binaguri - Bongaigaon 2xD/C	351.64	206.60	56.22	90.77	350.95	393.71	297.70	1747.58
ER - NER 220 kV Birpara - Salakati D/C	37.77	28.43	29.34	53.94	87.32	87.09	77.30	401.20
Total ER - NER	389.41	235.03	85.56	144.71	438.27	480.80	375.00	2148.79
Import of ER from NER (NER - ER)								
NER - ER 400 kV Binaguri - Bongaigaon 2xD/C	0.00	7.07	82.30	108.30	5.60	3.67	29.23	236.17
NER - ER 220 kV Birpara - Salakati D/C	0.00	0.26	0.00	0.11	0.01	0.00	0.02	0.39
Total NER - ER	0.00	7.33	82.30	108.41	5.60	3.67	29.25	236.56
Export of ER to SR (ER - SR)								
ER - SR HVDC Gazuwaka	302.43	355.83	358.74	384.11	408.09	348.69	426.62	2584.51
ER - SR HVDC Talchar - Kolar	1309.89	1296.20	1101.36	1159.40	1206.35	992.13	1170.26	8235.59
Total ER - SR	1612.32	1652.03	1460.10	1543.51	1614.44	1340.83	1596.88	10820.10
Import of ER from SR (SR - ER)								
SR - ER HVDC Gazuwaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SR - ER HVDC Talchar - Kolar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total SR - ER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Export of WR to SR (WR-SR)								
WR - SR HVDC Bhadravati	713.62	640.84	515.94	622.35	640.38	538.00	656.54	4327.66
WR - SR 765 kV Sholapur - Raichur	1345.88	1165.09	1006.32	1205.46	1227.59	1096.06	1210.70	8257.10
WR - SR 400KV Kolhapur-Kudgi D/C	41.69	50.95	23.80	58.51	106.98	119.77	166.32	568.01
Total WR - SR	2101.18	1856.88	1546.05	1886.32	1974.95	1753.84	2033.55	13152.78
Import of WR from SR (SR - WR)								
SR - WR HVDC Bhadravati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SR - WR 765 kV Raichur - Sholapur	0.00	4.47	4.47	0.03	0.03	0.07	0.00	9.06
SR - WR 400KV Kolhapur-Kudgi D/C	14.56	11.09	10.61	12.89	5.84	3.22	0.71	58.92
Total SR - WR	14.56	15.56	15.08	12.92	5.87	3.29	0.71	67.98
TOTAL ALL INDIA	11176	9996	9965	10738	11104	11359	12908	77246

12.1 Import of NR from WR, ER & NER during October 2016																									
Date	Import of NR from WR (WR-NR)										Import of NR from ER (ER-NR)												Import of NR from NER (NER-NR)		
	WR - NR 765 kV Gwalior - Agra D/C	WR-NR 765 kV Gwalior-Phagi D/C	WR - NR HVDC V'chal	WR - NR 400 kV Zerde-Kankroli	WR - NR 400 kV Zerde-Bhinmal	WR - NR 220 kV Badod - Kota / Modak	WR - NR 220 kV Auraiya - Malanpur / Mehgaon	WR-NR 400 KV Rihand Vindhyachal	WR - NR HVDC Mundra - M'garh	Total WR - NR	ER - NR 765 kV Sasaram - Fatehpur	ER - NR 765 kV Gaya - Varanasi 2½/C	ER - WR 765 kV Gaya Ballia	ER-NR 400 kV Patna - Ballia 2x/D/C	ER - NR 400 kV Muzaffarpur G'pur D/C	ER - NR 400 kV B'Shariff - Ballia D/C	ER - NR 400 kV Barh - G'pur D/C	ER - NR 400 kV B'Shariff - Varanasi D/C	ER - NR HVDC Sasaram (Byepass)	ER - NR 220 kV Pusauli - Sahupuri	ER - NR 132 kV Sahupuri - K'nasa	ER - NR 132 kV Rihand - Son Nagar	Total ER - NR	NER-NR HVDC Biswanath Chariali - Agra	Total NER-NR
1-Oct-16	58.42	26.75	8.01	2.29	2.87	1.87	0.00	0.00	50.80	151.00	2.33	17.17	4.87	14.02	10.96	5.75	8.82	4.28	0.00	0.00	0.00	0.00	68.19	15.83	15.83
2-Oct-16	38.70	19.34	11.06	0.00	0.53	0.82	0.00	0.00	60.35	130.80	1.57	14.33	4.55	14.78	10.36	6.13	8.57	3.27	0.00	0.00	0.00	0.00	63.55	19.19	19.19
3-Oct-16	54.66	21.08	2.47	1.27	1.51	1.69	0.00	0.00	60.46	143.13	1.85	16.03	4.39	14.38	10.10	4.86	9.73	3.81	0.00	0.00	0.00	0.00	65.15	23.20	23.20
4-Oct-16	58.89	23.05	2.22	1.94	1.98	1.83	0.00	0.00	54.62	144.52	1.26	16.07	4.74	11.84	9.54	5.02	9.41	3.34	0.30	0.00	0.00	0.00	61.51	18.69	18.69
5-Oct-16	59.22	24.54	1.18	3.09	3.05	1.80	0.00	0.00	51.74	144.62	0.00	15.33	4.61	9.97	11.80	5.36	8.19	3.65	3.65	0.00	0.00	0.00	62.55	6.57	6.57
6-Oct-16	60.48	25.05	0.62	4.00	4.64	1.69	0.00	0.00	50.17	146.65	0.00	16.32	4.89	11.43	11.54	6.07	8.34	4.04	3.65	0.00	0.00	0.00	66.28	11.19	11.19
7-Oct-16	60.48	28.73	0.33	2.41	2.60	0.89	0.00	0.00	55.56	150.99	0.00	16.01	4.76	11.77	10.18	4.75	8.95	3.50	3.69	0.00	0.00	0.00	63.60	11.14	11.14
8-Oct-16	54.74	27.90	0.13	1.75	1.74	1.14	0.00	0.00	48.49	135.88	1.02	16.11	4.41	16.05	11.53	5.14	10.05	3.83	1.21	0.00	0.00	0.00	69.34	11.22	11.22
9-Oct-16	55.50	28.80	0.00	1.75	1.59	2.56	0.00	0.00	48.39	138.59	1.64	16.33	8.38	16.02	13.78	5.55	9.90	4.45	4.20	0.00	0.00	0.00	80.25	11.18	11.18
10-Oct-16	58.58	31.52	0.00	3.78	4.26	3.95	0.00	0.00	48.39	150.47	2.03	16.92	8.04	15.81	15.90	5.72	10.43	5.02	3.61	0.00	0.00	0.00	83.47	11.11	11.11
11-Oct-16	48.37	26.64	0.00	3.06	3.32	3.45	0.00	0.00	40.00	124.84	1.65	15.17	6.79	15.33	14.78	5.09	9.38	4.82	1.95	0.00	0.00	0.00	74.96	11.11	11.11
12-Oct-16	53.35	25.41	0.40	3.58	3.41	4.03	0.00	0.00	32.76	122.93	3.45	16.25	6.38	15.61	16.40	5.62	9.26	5.77	2.28	0.00	0.00	0.00	81.02	13.92	13.92
13-Oct-16	56.46	28.76	0.33	3.07	2.75	3.03	0.00	0.00	35.17	129.57	2.67	16.93	6.33	15.90	13.54	4.42	9.66	5.28	2.50	0.00	0.00	0.00	77.23	18.90	18.90
14-Oct-16	55.51	35.15	2.10	2.32	2.44	1.95	0.00	0.00	37.20	136.66	2.72	14.70	5.66	15.66	11.96	4.72	9.83	5.06	1.44	0.00	0.00	0.00	71.75	21.91	21.91
15-Oct-16	55.65	32.36	0.00	1.95	1.97	0.74	0.00	0.00	42.75	135.42	2.07	14.08	6.25	15.58	10.88	4.62	9.68	4.36	0.30	1.72	0.00	0.00	69.54	23.11	23.11
16-Oct-16	48.75	28.39	0.00	2.76	3.24	1.00	0.00	0.00	37.96	122.10	0.00	12.74	6.28	12.92	8.94	3.49	9.49	2.86	2.67	3.57	0.00	0.00	62.96	23.24	23.24
17-Oct-16	54.14	30.21	0.00	3.70	4.49	1.21	0.00	0.00	35.70	129.45	0.38	13.06	6.22	12.92	7.93	2.69	10.41	2.67	2.07	3.68	0.00	0.00	62.02	23.21	23.21
18-Oct-16	52.46	30.12	0.00	0.54	0.93	0.51	0.00	0.00	50.82	135.38	0.45	13.45	5.88	14.32	8.48	2.82	8.95	2.98	2.22	3.84	0.00	0.00	63.39	11.17	11.17
19-Oct-16	50.87	32.46	3.64	0.00	0.00	0.00	0.00	0.00	48.50	135.47	0.24	13.72	5.16	15.53	9.58	2.30	10.63	3.33	2.57	3.58	0.00	0.00	66.64	11.75	11.75
20-Oct-16	56.65	34.04	0.00	0.00	0.21	2.59	0.00	0.00	46.27	139.77	0.85	12.43	5.57	14.47	9.16	2.75	10.58	2.29	1.80	3.68	0.00	0.00	63.58	11.68	11.68
21-Oct-16	51.45	30.72	0.00	0.00	0.00	0.00	0.00	0.00	48.38	130.55	1.64	10.43	5.24	13.66	8.39	3.39	9.70	1.85	0.00	3.54	0.00	0.00	57.83	11.72	11.72
22-Oct-16	57.11	26.28	0.00	0.00	0.00	0.37	0.00	0.00	48.38	132.14	1.70	8.73	4.57	10.35	9.82	3.26	7.56	1.16	0.00	4.04	0.00	0.00	51.19	8.15	8.15
23-Oct-16	57.11	26.28	0.00	0.00	0.00	0.37	0.00	0.00	48.38	132.14	1.70	8.73	4.57	10.35	9.82	3.26	7.56	1.16	0.00	4.04	0.00	0.00	51.19	8.15	8.15
24-Oct-16	48.91	29.62	0.00	0.00	0.00	0.00	0.00	0.00	48.38	126.91	1.86	10.11	4.75	12.78	11.68	3.57	8.34	1.84	0.94	3.68	0.00	0.00	59.55	0.00	0.00
25-Oct-16	55.51	32.22	0.00	1.15	2.08	0.58	0.00	0.00	38.89	130.43	0.00	11.33	5.95	13.74	8.40	3.32	9.26	1.73	0.00	4.31	0.00	0.00	58.04	5.51	5.51
26-Oct-16	46.97	31.46	0.00	0.00	2.08	0.29	0.00	0.00	54.33	135.13	0.00	12.29	5.63	14.08	7.61	2.97	9.56	1.73	0.00	4.50	0.00	0.00	58.37	6.40	6.40
27-Oct-16	54.93	33.07	5.18	0.38	2.00	1.22	0.00	0.00	48.38	145.16	0.00	13.66	6.61	12.81	10.77	3.74	8.69	2.64	2.05	4.45	0.00	0.00	65.43	0.00	0.00
28-Oct-16	56.41	33.01	5.18	0.66	2.39	0.00	0.00	0.00	55.62	153.27	0.00	14.28	6.82	16.23	13.86	4.50	10.01	2.95	1.77	4.88	0.00	0.00	75.28	0.83	0.83
29-Oct-16	55.85	32.43	1.24	0.00	1.09	0.00	0.00	0.00	55.62	146.22	0.00	14.15	7.77	12.47	11.98	4.39	9.26	2.31	1.64	4.81	0.00	0.00	68.77	1.34	1.34
30-Oct-16	47.88	28.03	0.07	0.36	2.00	0.00	0.00	0.00	49.99	128.33	0.00	9.23	6.46	11.35	5.90	2.27	9.37	0.04	7.15	4.54	0.00	0.00	56.31	15.41	15.41
31-Oct-16	46.80	27.32	0.00	1.64	3.38	0.99	0.00	0.00	25.03	105.16	0.00	7.87	5.61	11.74	2.59	0.97	9.44	0.00	7.18	4.19	0.00	0.00	49.57	16.59	16.59
Total	1670.79	890.73	44.16	47.45	62.52	40.57	0.00	0.00	1457.45	4213.67	33.07	423.94	178.13	423.85	328.15	128.49	289.01	95.99	60.81	67.05	0.00	0.00	2028.49	383.40	383.40

12.2 Export of NR to WR, ER & NER during October 2016																									
Date	Export of NR to WR (NR- WR)										Export of NR to ER (NR- ER)												Export of NR to NER (NR- NER)		
	WR - NR 765 KV Gwalior - Agra D/C	WR-NR 765 KV Gwalior- Phagi D/C	WR- NR HVDC V'chal	WR - NR 400 KV Zerda- Kankroll	WR - NR 400 KV Zerda- Bhinmal	WR - NR 220 KV Badod - Kota / Modak	WR - NR 220 KV Auraiya - Malanpur / Mehaon	WR-NR 400 KV Rihand- Vindhyachal	WR - NR HVDC Mundra - M'garh	Total NR - WR	ER - NR 765 KV Sasaram - Fatehpur	ER - NR 765 KV Gaya - Varanasi 2'S/C	ER - NR 765 KV Gaya Ballia	ER-NR 400 KV Patna - Balla 2x0/C	ER - NR 400 KV Muzaffarpur - G'pur D/C	ER - NR 400 KV B'shariff Balla D/C	ER - NR 400 KV Barh - G'pur D/C	ER - NR 400 KV B'shariff Varanasi D/C	ER - NR HVDC Sataram (Bypass)	ER - NR 220 KV Pusaui - Sahupuri	ER - NR 132 KV Sahupuri K'nasa	ER - NR 132 KV Rihand - Son Nagar	Total NR - ER	NER-NR HVDC Bhanwanth Chariali - Agra	Total NR-NER
1-Oct-16	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.59	0.62	2.92	0.00	0.00
2-Oct-16	0.00	0.00	0.00	0.05	0.00	0.00	1.29	0.00	0.00	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	0.59	0.73	3.50	0.00	0.00
3-Oct-16	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.60	0.70	3.18	0.00	0.00
4-Oct-16	0.00	0.00	5.39	0.00	0.00	0.00	0.40	0.00	0.00	5.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.00	0.64	0.71	3.21	0.00	0.00
5-Oct-16	0.00	0.00	1.36	0.00	0.00	0.00	0.03	0.00	0.00	1.39	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.63	1.66	0.00	0.00
6-Oct-16	0.00	0.00	8.43	0.00	0.00	0.00	0.36	0.00	0.00	8.79	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.56	1.85	0.00	0.00
7-Oct-16	0.00	0.00	8.28	0.00	0.00	0.00	0.75	0.00	0.00	9.04	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.50	1.33	0.00	0.00
8-Oct-16	0.00	0.00	2.23	0.00	0.00	0.00	1.14	0.00	0.00	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.33	0.92	0.00	0.00
9-Oct-16	0.00	0.00	6.83	0.00	0.00	0.00	1.16	0.00	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.42	0.69	0.00	0.00
10-Oct-16	0.00	0.00	4.27	0.00	0.00	0.00	0.94	0.00	0.00	5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.61	0.00	0.00
11-Oct-16	0.00	0.00	8.23	0.00	0.00	0.00	1.51	0.00	0.00	9.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.43	1.05	0.00	0.00
12-Oct-16	0.00	0.00	6.47	0.00	0.00	0.00	1.44	0.00	0.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.21	0.77	0.00	0.00
13-Oct-16	0.00	0.00	4.50	0.00	0.00	0.00	1.41	0.00	0.00	5.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.44	1.10	0.00	0.00
14-Oct-16	0.00	0.00	5.29	0.00	0.00	0.00	1.42	0.00	0.00	6.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.65	0.56	3.02	0.00	0.00
15-Oct-16	0.00	0.00	5.87	0.00	0.00	0.00	0.75	0.00	0.00	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.79	1.43	0.00	0.00
16-Oct-16	0.00	0.00	6.02	0.00	0.00	0.00	0.96	0.00	0.00	6.97	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.76	1.71	0.00	0.00
17-Oct-16	0.00	0.00	4.01	0.00	0.00	0.00	1.04	0.00	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.78	0.83	2.94	0.00	0.00
18-Oct-16	0.00	0.00	1.24	0.00	0.00	0.00	0.81	0.00	0.00	2.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.76	0.87	2.70	0.00	0.00
19-Oct-16	0.00	0.00	0.00	0.86	0.48	0.40	0.98	0.00	0.00	2.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.77	0.73	2.80	0.00	0.00
20-Oct-16	0.00	0.00	5.98	0.53	0.00	0.00	0.51	0.00	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.47	0.00	0.00	0.44	7.91	0.00	0.00
21-Oct-16	0.00	0.00	5.73	1.49	0.66	0.33	0.73	0.00	0.00	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.77	0.00	0.62	0.40	6.78	0.00	0.00
22-Oct-16	0.00	0.00	6.00	1.26	0.48	0.00	1.09	0.00	0.00	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	925.92	0.83	930.55	0.00	0.00
23-Oct-16	0.00	0.00	6.00	1.26	0.48	0.00	1.09	0.00	0.00	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	0.93	0.83	5.55	0.00	0.00
24-Oct-16	0.00	0.00	6.01	2.12	1.68	0.01	1.17	0.00	0.00	10.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.96	0.87	4.38	0.51	0.51
25-Oct-16	0.00	0.00	6.04	0.00	0.00	0.00	0.76	0.00	0.00	6.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.60	0.93	3.11	0.00	0.00
26-Oct-16	0.00	0.00	1.88	0.03	0.00	0.00	1.01	0.00	0.00	2.91	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.63	0.87	2.83	0.00	0.00
27-Oct-16	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.90	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.90	2.47	3.08	3.08
28-Oct-16	0.00	0.00	1.58	0.00	0.00	0.25	0.69	0.00	0.00	2.51	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.95	2.30	5.25	5.25
29-Oct-16	0.00	0.00	0.00	0.18	0.00	0.78	0.82	0.00	0.00	1.79	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.90	2.92	2.99	2.99
30-Oct-16	0.00	0.00	10.92	0.00	0.00	1.12	1.15	0.00	0.00	13.19	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.66	0.00	0.61	0.94	11.01	0.00	0.00
31-Oct-16	0.00	0.00	12.14	0.00	0.00	0.99	1.12	0.00	0.00	14.25	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.99	5.96	0.00	0.53	0.91	12.27	0.00	0.00
Total	0.00	0.00	140.66	7.78	3.79	3.88	28.68	0.00	0.00	184.79	14.06	0.00	0.00	0.00	0.00	0.00	0.99	49.29	0.00	944.56	20.59	1029.48	11.83	11.83	

Date	12.3 Import - Export of ER with WR & NER during October 2016																													
	Export of WR to ER (WR-ER)										Import of WR from ER (ER - WR)										Export of ER to NER (ER-NER)					Import of ER from NER (NER-ER)				
	WR - ER 765 kV Dharamjaygarh - Ranchi 2x5/C	WR - ER 765 kV Dharamjaygarh - Jharsuguda D/C	WR - ER 400 kV Sipat - Ranchi D/C	WR - ER 400 kV Raigarh Sterlite	WR - ER 400 kV Raigarh - IND Bharat	WR - ER 400 kV Raigarh - Rourkela	WR - ER 400 kV Raigarh - Jharsuguda	WR - ER 220 kV Korba - Budhipadar D/C	WR - ER 220 kV Raigarh - Budhipadar	Total WR - ER	WR - ER 765 kV Dharamjaygarh - Ranchi 2x5/C	ER - WR 765 kV Dharamjaygarh - Jharsuguda D/C	ER - WR 400 kV Sipat - Ranchi D/C	ER - WR 400 kV Raigarh - Sterlite	ER - WR 400 kV Raigarh - IND Bharat	ER - WR 400 kV Raigarh - Rourkela	ER - WR 400 kV Raigarh - Jharsuguda	ER - WR 220 kV Korba - Budhipadar D/C	ER - WR 220 kV Raigarh - Budhipadar	Total ER - WR	ER - NER 132 kV Geylegphus - Salakati	ER - NER 132 kV Motangara	ER - NER 400 kV Binaguri - Bongaigaon 2x0/C	ER - NER 220 kV Birpara - Salakati D/C	Total ER - NER	ER - NER 132 kV Geylegphus - Salakati	ER - NER 132 kV Motangara	NER - ER 400 kV Binaguri - Bongaigaon 2x0/C	NER - ER 220 kV Birpara - Salakati D/C	Total NER - ER
1-Oct-16	10.93	0.00	6.80	3.56	3.46	4.15	4.92	1.48	0.04	35.32	0.00	17.85	0.00	0.00	0.00	0.00	0.00	0.00	0.52	18.37	0.75	1.03	13.84	2.73	18.34	0.00	0.00	0.00	0.00	0.00
2-Oct-16	7.27	0.00	5.02	2.35	2.28	2.60	3.26	2.06	0.00	24.84	0.00	19.88	0.00	0.00	0.00	0.00	0.00	0.00	1.03	20.91	0.87	0.88	16.68	3.17	21.59	0.00	0.00	0.00	0.00	0.00
3-Oct-16	9.72	0.00	5.60	1.86	1.42	2.09	2.01	2.14	0.00	24.84	0.00	19.03	0.00	0.00	0.00	0.00	0.00	0.00	1.60	20.63	1.18	0.93	20.10	3.63	25.84	0.00	0.01	0.00	0.00	0.01
4-Oct-16	11.49	0.00	6.60	2.37	2.01	2.77	1.48	1.75	0.00	28.48	0.00	16.04	0.00	0.00	0.00	0.00	0.00	0.00	1.70	17.74	1.21	0.84	18.14	3.85	24.04	0.00	0.00	0.00	0.00	0.00
5-Oct-16	9.64	0.00	5.67	1.06	1.58	2.48	2.20	1.96	0.00	24.59	0.00	16.37	0.00	0.00	0.00	0.00	0.00	0.00	1.82	18.18	0.98	1.10	7.00	2.77	11.86	0.00	0.00	0.00	0.00	0.00
6-Oct-16	10.41	0.00	6.33	2.16	1.70	2.48	2.41	2.14	0.00	27.63	0.00	13.96	0.00	0.00	0.00	0.00	0.00	0.00	1.81	15.78	0.93	1.13	11.22	2.96	16.25	0.00	0.00	0.00	0.00	0.00
7-Oct-16	7.63	0.00	5.00	1.30	0.93	1.31	1.31	2.07	0.00	19.56	0.00	18.19	0.00	0.01	0.04	0.04	0.06	0.00	1.38	19.73	0.94	1.18	10.97	2.72	15.81	0.00	0.00	0.00	0.00	0.00
8-Oct-16	6.30	0.00	4.30	1.05	0.87	1.08	1.23	1.11	0.00	15.95	0.00	19.91	0.00	0.00	0.00	0.01	0.00	0.00	1.79	21.72	0.97	1.09	8.77	2.57	13.39	0.00	0.00	0.00	0.00	0.00
9-Oct-16	5.94	0.00	4.37	1.07	0.85	1.14	1.20	1.93	0.00	16.51	0.00	16.41	0.00	0.00	0.00	0.00	0.00	0.00	0.96	17.37	1.50	1.22	3.25	1.80	7.78	0.00	0.00	0.49	0.00	0.49
10-Oct-16	4.60	0.00	3.58	0.70	0.55	0.67	0.78	1.71	0.00	12.60	0.00	18.00	0.00	0.07	0.07	0.19	0.10	0.00	1.09	19.52	0.96	1.00	2.33	2.12	6.41	0.00	0.00	1.31	0.00	1.31
11-Oct-16	2.92	0.00	2.81	0.78	1.10	0.74	1.56	0.12	0.00	10.03	0.50	18.40	0.00	0.01	0.00	0.04	0.00	0.26	2.93	22.15	0.95	0.87	1.16	1.62	4.61	0.00	0.00	3.24	0.00	3.24
12-Oct-16	1.46	0.00	2.37	0.65	1.04	0.63	1.49	0.03	0.00	7.66	0.63	17.17	0.00	0.02	0.00	0.05	0.00	0.37	3.12	21.37	0.73	0.85	1.60	1.31	4.49	0.00	0.00	4.04	0.00	4.04
13-Oct-16	1.85	0.00	2.62	0.52	0.91	0.54	1.31	0.05	0.00	7.82	0.80	18.78	0.00	0.06	0.01	0.12	0.01	0.27	2.78	22.83	0.90	0.94	5.08	2.00	8.92	0.00	0.00	2.42	0.01	2.43
14-Oct-16	2.02	0.00	2.44	0.33	0.26	0.43	0.36	0.48	0.00	6.34	1.00	22.05	0.00	0.56	0.31	0.70	0.44	0.09	2.43	27.58	0.94	1.07	7.99	2.43	12.43	0.00	0.00	0.67	0.00	0.67
15-Oct-16	3.79	0.00	3.19	0.73	0.91	0.93	1.28	0.84	0.00	11.67	0.88	16.44	0.00	0.03	0.00	0.04	0.00	0.00	2.00	19.40	1.00	1.14	14.39	3.08	19.60	0.00	0.00	0.00	0.00	0.00
16-Oct-16	5.98	0.00	4.11	1.31	1.28	1.64	1.82	0.81	0.00	16.95	0.01	11.24	0.00	0.00	0.00	0.00	0.00	0.00	2.17	13.42	1.00	1.13	15.59	3.24	20.95	0.00	0.00	0.00	0.00	0.00
17-Oct-16	6.71	0.00	4.34	1.32	1.21	1.66	1.71	0.56	0.00	17.51	0.00	12.15	0.00	0.00	0.00	0.00	0.00	0.06	2.86	15.07	1.13	1.05	19.00	3.57	24.74	0.00	0.00	0.00	0.00	0.00
18-Oct-16	5.08	0.00	3.92	1.48	1.39	1.85	1.96	0.64	0.00	16.32	0.00	10.55	0.00	0.00	0.00	0.00	0.00	0.05	2.66	13.26	1.18	0.85	14.10	3.10	19.23	0.00	0.00	0.00	0.00	0.00
19-Oct-16	2.94	0.00	2.80	1.32	1.44	1.67	2.04	0.95	0.00	13.15	0.39	9.34	0.00	0.00	0.00	0.00	0.00	0.00	2.50	12.23	1.03	0.97	10.37	2.67	15.04	0.00	0.00	0.00	0.00	0.00
20-Oct-16	4.03	0.00	4.33	2.29	2.25	2.88	3.22	1.86	0.00	20.88	0.02	5.39	0.00	0.00	0.00	0.00	0.00	0.00	1.82	7.24	0.92	1.15	11.01	2.74	15.82	0.00	0.00	0.00	0.00	0.00
21-Oct-16	3.68	0.01	4.34	2.16	2.22	2.69	3.16	1.63	0.00	19.90	0.00	5.56	0.00	0.00	0.00	0.00	0.00	0.00	2.05	7.61	1.17	1.15	10.22	2.49	15.02	0.00	0.00	0.00	0.00	0.00
22-Oct-16	3.06	0.11	3.42	1.60	1.74	2.02	2.46	1.35	0.00	15.76	0.30	5.87	0.00	0.00	0.00	0.00	0.00	0.00	2.06	8.24	0.94	1.24	9.47	2.52	14.18	0.00	0.00	0.00	0.00	0.00
23-Oct-16	2.40	0.07	2.94	1.36	1.48	1.70	2.10	1.53	0.00	13.57	0.57	4.66	0.00	0.00	0.00	0.00	0.00	0.00	1.93	7.16	0.91	1.08	5.78	2.35	10.12	0.00	0.00	0.00	0.00	0.00
24-Oct-16	1.51	0.00	2.20	0.02	1.79	1.66	2.50	1.90	0.02	11.60	1.21	7.91	0.01	1.12	0.00	0.00	0.00	0.00	1.10	11.34	0.79	1.01	1.86	1.51	5.17	0.00	0.00	3.04	0.00	3.04
25-Oct-16	3.57	0.00	3.11	0.00	1.47	1.68	2.05	2.46	0.00	14.34	0.06	8.55	0.00	1.49	0.00	0.00	0.00	0.00	0.67	10.76	0.72	0.98	7.91	2.60	12.21	0.04	0.00	0.01	0.00	0.05
26-Oct-16	2.66	0.00	2.46	0.00	1.38	1.42	1.91	1.87	0.00	11.71	0.89	10.49	0.00	1.73	0.00	0.02	0.00	0.00	0.99	14.12	0.83	1.03	10.02	2.85	14.73	0.00	0.00	0.00	0.00	0.00
27-Oct-16	3.55	0.00	2.81	0.00	1.53	1.49	2.11	1.87	0.00	13.36	0.41	14.06	0.00	3.24	0.00	0.01	0.00	0.00	0.95	18.67	0.73	0.87	2.87	1.46	5.93	0.00	0.00	2.51	0.00	2.51
28-Oct-16	3.12	0.00	2.69	0.00	1.44	1.24	1.97	1.84	0.01	12.30	0.21	14.03	0.00	3.91	0.00	0.00	0.00	0.00	0.96	19.12	0.66	0.73	0.08	0.56	2.02	0.00	0.00	7.00	0.01	7.01
29-Oct-16	4.72	0.00	3.09	0.00	1.90	1.89	2.62	1.63	0.00	15.85	0.12	14.07	0.00	3.66	0.00	0.00	0.00	0.00	0.87	18.72	0.69	0.73	4.03	1.15	6.60	0.00	0.00	4.50	0.00	4.50
30-Oct-16	6.55	0.20	4.58	0.31	2.04	2.56	2.84	2.58	0.03	21.68	0.00	3.77	0.00	1.33	0.00	0.00	0.00	0.00	0.37	5.47	0.80	0.84	13.82	2.60	18.06	0.00	0.00	0.00	0.00	0.00
31-Oct-16	6.48	0.70	4.72	0.03	2.00	2.52	2.79	3.10	0.06	22.39	0.07	2.19	0.00	1.35	0.00	0.00	0.00	0.00	0.26	3.87	0.78	0.92	19.05	3.15	23.91	0.00	0.00	0.00	0.00	0.00
Total	162.04	1.09	122.57	33.68	46.45	54.60	64.06	46.47	0.16	531.11	8.07	408.30	0.02	18.61	0.43	1.23	0.63	1.09	51.17	489.57	29.09	30.99	297.70	77.30	435.07	0.04	0.02	29.23	0.02	29.31

Date	12.4 Import and Export of SR with ER & WR during October 2016													
	Export of ER to SR (ER - SR)			Import of ER from SR (SR - ER)			Export of WR to SR (WR-SR)				Import of WR from SR (SR - WR)			
	ER - SR HVDC Gazuwaka	ER - SR HVDC Talchar -Kolar	Total ER - SR	SR - ER HVDC Gazuwaka	SR - ER HVDC Talchar -	Total SR - ER	WR - SR HVDC Bhadrawati	WR - SR 765 kV Sholapur - Raichur	WR-SR 400KV Kolhapur-Kudgi D/C	Total WR - SR	SR - WR HVDC Bhadrawati	SR - WR 765 kV Raichur - Sholapur	SR-WR 400KV Kolhapur-Kudgi D/C	Total SR - WR
1-Oct-16	12.40	34.11	46.52	0.00	0.00	0.00	19.89	34.23	3.34	57.45	0.00	0.00	0.01	0.01
2-Oct-16	9.80	30.80	40.60	0.00	0.00	0.00	21.00	37.30	5.35	63.64	0.00	0.00	0.01	0.01
3-Oct-16	9.00	31.18	40.18	0.00	0.00	0.00	19.78	40.72	5.65	66.15	0.00	0.00	0.00	0.00
4-Oct-16	11.19	30.32	41.51	0.00	0.00	0.00	23.35	29.63	5.84	58.82	0.00	0.00	0.00	0.00
5-Oct-16	10.04	35.30	45.34	0.00	0.00	0.00	19.89	32.89	5.16	57.93	0.00	0.00	0.00	0.00
6-Oct-16	12.14	33.58	45.73	0.00	0.00	0.00	19.39	35.73	5.77	60.88	0.00	0.00	0.04	0.04
7-Oct-16	13.70	28.68	42.38	0.00	0.00	0.00	15.81	39.83	6.30	61.94	0.00	0.00	0.00	0.00
8-Oct-16	13.68	27.19	40.87	0.00	0.00	0.00	18.31	35.45	6.17	59.93	0.00	0.00	0.00	0.00
9-Oct-16	13.68	29.83	43.51	0.00	0.00	0.00	18.70	32.28	4.37	55.35	0.00	0.00	0.04	0.04
10-Oct-16	13.67	21.47	35.14	0.00	0.00	0.00	16.33	29.29	3.47	49.09	0.00	0.00	0.00	0.00
11-Oct-16	7.54	34.13	41.67	0.00	0.00	0.00	16.82	32.95	3.49	53.26	0.00	0.00	0.05	0.05
12-Oct-16	10.92	40.29	51.22	0.00	0.00	0.00	19.79	43.22	4.70	67.71	0.00	0.00	0.00	0.00
13-Oct-16	12.17	40.71	52.88	0.00	0.00	0.00	22.58	37.87	4.57	65.02	0.00	0.00	0.00	0.00
14-Oct-16	14.13	33.78	47.91	0.00	0.00	0.00	19.50	42.61	5.36	67.47	0.00	0.00	0.00	0.00
15-Oct-16	13.69	38.74	52.43	0.00	0.00	0.00	19.35	45.24	5.38	69.97	0.00	0.00	0.00	0.00
16-Oct-16	16.09	43.83	59.93	0.00	0.00	0.00	22.83	43.50	4.85	71.18	0.00	0.00	0.00	0.00
17-Oct-16	11.63	42.90	54.53	0.00	0.00	0.00	22.69	40.28	4.27	67.24	0.00	0.00	0.04	0.04
18-Oct-16	12.90	39.33	52.23	0.00	0.00	0.00	23.68	24.04	1.94	49.66	0.00	0.00	0.44	0.44
19-Oct-16	16.07	44.81	60.87	0.00	0.00	0.00	23.69	34.00	2.80	60.49	0.00	0.00	0.03	0.03
20-Oct-16	16.07	41.63	57.69	0.00	0.00	0.00	23.75	39.27	3.07	66.08	0.00	0.00	0.05	0.05
21-Oct-16	16.06	34.11	50.17	0.00	0.00	0.00	23.40	46.27	5.32	74.99	0.00	0.00	0.00	0.00
22-Oct-16	16.07	33.01	49.08	0.00	0.00	0.00	23.81	43.74	4.92	72.46	0.00	0.00	0.00	0.00
23-Oct-16	16.07	40.90	56.97	0.00	0.00	0.00	23.81	41.05	5.83	70.68	0.00	0.00	0.00	0.00
24-Oct-16	16.09	49.69	65.78	0.00	0.00	0.00	22.31	41.76	4.24	68.30	0.00	0.00	0.00	0.00
25-Oct-16	16.08	49.46	65.54	0.00	0.00	0.00	23.77	42.18	6.09	72.04	0.00	0.00	0.00	0.00
26-Oct-16	16.07	48.86	64.94	0.00	0.00	0.00	22.60	47.51	7.42	77.53	0.00	0.00	0.00	0.00
27-Oct-16	16.08	48.90	64.98	0.00	0.00	0.00	22.58	48.33	8.72	79.63	0.00	0.00	0.00	0.00
28-Oct-16	16.09	40.40	56.50	0.00	0.00	0.00	22.84	43.01	7.38	73.23	0.00	0.00	0.00	0.00
29-Oct-16	16.09	41.93	58.02	0.00	0.00	0.00	20.46	39.87	8.18	68.51	0.00	0.00	0.00	0.00
30-Oct-16	16.09	38.45	54.54	0.00	0.00	0.00	22.77	42.31	8.48	73.56	0.00	0.00	0.00	0.00
31-Oct-16	15.32	41.93	57.25	0.00	0.00	0.00	21.10	44.35	7.90	73.36	0.00	0.00	0.00	0.00
Total	426.62	1170.26	1596.88	0.00	0.00	0.00	656.54	1210.70	166.32	2033.55	0.00	0.00	0.71	0.71

13. भूटान , नेपाल, बांग्लादेश एवं म्यान्मार के साथ अंतरराष्ट्रीय विद्युत विनिमय
INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL BANGLADESH AND MYANMAR

अप्रैल 2016 से मार्च 2017 April 2016 to March 2017

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

माह MONTH	भूटान BHUTAN	नेपाल NEPAL	बांग्लादेश BANGLADESH	म्यान्मार MYANMAR
	Energy Exchange (In MU)	Energy Exchange (In MU)	Energy Exchange (In MU)	Energy Exchange (In MU)
अप्रैल 2016 APR'16	150.05	-196.98	-361.40	-0.09
मई 2016 MAY'16	255.38	-171.18	-373.86	-0.23
जून 2016 JUN'16	549.81	-158.47	-375.91	-0.27
जुलाई 2016 JUL'16	1020.49	-151.41	-367.92	-0.29
अगस्त 2016 AUG'16	1032.45	-161.34	-386.58	-0.29
सितंबर 2016 SEP'16	1005.75	-129.20	-379.94	-0.36
अक्टूबर 2016 OCT'16	929.97	-84.48	-397.32	-0.36
कुल Total	4943.89	-1053.06	-2642.95	-1.89

14. एसटीओए (द्विपक्षीय एवं सामूहिक) एवं डी एस एम बिलिंग का ब्योरा – माह अक्टूबर 2016
STOA (BILATERAL AND COLLECTIVE) & DSM BILLING DETAILS- OCT 2016

द्विपक्षीय एसटीओए BILATERAL SHORT TERM OPEN ACCESS

अक्टूबर 2016 Oct 16			April-Oct'16	
क्षे.भा.प्रे.के. का नाम Name of RLDC	लेन – देनों की संख्या No. of Transactions	अनुमोदित ऊर्जा (मि.यु.) Energy Units Approved(MU)	लेन – देनों की संख्या No. of Transactions	अनुमोदित ऊर्जा (मि.यु.) Energy Approved (MU)
ऊ. क्षे. NR	506	1180	4629	16185
प.क्षे. WR	1604	1483	5819	8349
द.क्षे. SR	327	902	1828	6729
पू.क्षे. ER	139	732	1443	6607
पूर्वोत्तर क्षे. NER	17	74	202	580
कुल TOTAL	2593	4371	13921	38450

एसटीओए SHORT TERM OPEN ACCESS

माह MONTH	सामूहिक एसटीओए Collective STOA		द्विपक्षीय एसटीओए Bilateral STOA	
	क्रैताओं / विक्रेताओं की सं. NO. of Buyers/Sellers	अनुमोदित ऊर्जा (मि.यु.) Approved Energy (MU)	क्रैताओं / विक्रेताओं की सं. NO. of Buyers/Sellers	अनुमोदित ऊर्जा (मि.यु.) Approved Energy (MU)
अप्रैल 2016 Apr'16	2923	3501	1675	4573
मई 2016 May'16	2822	2936	1460	5339
जून 2016 Jun'16	3003	3146	1568	5231
जुलाई 2016 Jul'16	3142	3594	2074	5868
अगस्त 2016 Aug'16	2960	3463	2078	6765
सितंबर 2016 Sep'16	2944	3652	2466	6301
अक्टूबर 2016 Oct'16	2908	3640	2593	4371
कुल TOTAL	20702	23932	13914	38447

मासिक डी एस एम बिलिंग का ब्योरा 2016-17
 MONTHLY DSM BILLING DETAILS 2016-17

अनंतिम आकड़े
 Provisional data
 subject to change

करोड़ रु. में (RS. IN CRORES)

क्षेत्र REGION	उत्तरी क्षेत्र NORTH	पश्चिमी क्षेत्र WEST	दक्षिणी क्षेत्र SOUTH	पूर्वी क्षेत्र EAST	पूर्वोत्तर क्षेत्र NORTH EAST
26.09.16 to 02.10.16	74.07	45.16	27.78	56.19	38.41
03.10.16 to 09.10.16	71.83	44.14	35.07	44.29	21.19
10.10.16 to 16.10.16	33.01	21.23	22.61	25.61	24.76
17.10.16 to 23.10.16	39.30	38.69	23.20	34.94	27.91
24.10.16 to 30.10.16	29.19	29.46	19.99	13.76	8.12

15. पावर मार्केट की सूचना (स्रोत : आई.ई.एक्स. एवं पी.एक्स.आई.एल.)
POWER MARKET INFORMATION (Source IEX & PXIL)
पावर एक्सचेंज के माध्यम से विनिमय - माह अक्टूबर 2016
EXCHANGES THROUGH POWER EXCHANGES - October 2016

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेंज के माध्यम से (मि.यु. मे) Through Power Exchange in MU	
			विक्रय Sale	क्रय Purchase
1	पंजाब Punjab	उत्तरी क्षेत्र NR	24.57	18.28
2	हरियाणा Haryana		115.67	241.44
3	राजस्थान Rajasthan		20.91	455.07
4	दिल्ली Delhi		59.91	85.92
5	उत्तर प्रदेश Uttar Pradesh		40.98	250.99
6	उत्तराखंड Uttarakhand		2.41	219.51
7	हिमाचल प्रदेश Himachal Pradesh		161.29	33.68
8	जम्मू और कश्मीर J & K		8.98	63.75
9	केंद्र शासित चंडीगढ़ UT Chandigarh		1.24	8.62
10	ए डी हाइड्रो AD Hydro		27.80	0.00
11	करचम वांगतू KW		134.00	0.00
12	श्री सीमेंट Shree Cement		13.86	0.00
13	नाथपा झाकरी Nathpa Jhakri		11.03	0.00
14	बैरासूल Baira Siul HEP(BS0)		0.00	0.00
15	चमेरा -1 Chamera-I HEP(CM1)		0.00	0.00
16	चमेरा -2 Chamera-II HEP(CM2)		0.00	0.00
17	धौलीगंगा Dhauliganga HEP(DG0)		0.00	0.00
18	दुलहस्ती Dulahasti HEP(DU0)		0.00	0.00
19	सलाल Salal HEP(SL0)		0.00	0.00
20	सेवा -2 Sewa-II NHPC(SW2)		0.00	0.00
21	टनकपुर Tanakpur HEP(TP0)		0.00	0.00
22	उरी Uri HEP(UR0)		0.00	0.00
23	लांको बुधिल LANCO Budhil		1.89	0.00
24	चमेरा-3 chamera 3		0.00	0.00
25	अदानी एचवीडीसी ADANI HVDC(NORGU0)		0.00	0.00
26	मलाना MALANA		2.61	0.00
27	उरी-II Uri-II HEP(UR2)		0.00	0.00
28	पार्वती-III Parvati-II		0.00	0.00
29	सिंगरौली Singrauli		0.24	0.00
30	दादरी-I Dadri stage-I		0.28	0.00
31	दादरी-II Dadri stage-II		1.85	0.00
32	ऊंचाहार-I Unchahar-I TPS		0.11	0.00
33	ऊंचाहार-II Unchahar-II TPS		0.25	0.00
34	ऊंचाहार-III Unchahar-III TPS		0.08	0.00
35	रिहंद-I Rihand STPS-I		0.28	0.00
36	रिहंद-II Rihand STPS-II		0.59	0.00
37	रिहंद-III Rihand STPS-III		0.09	0.00

15. पावर मार्केट की सूचना (स्रोत : आई.ई.एक्स. एवं पी.एक्स.आई.एल.)
POWER MARKET INFORMATION (Source IEX & PXIL)

पावर एक्सचेंज के माध्यम से विनिमय - माह अक्टूबर 2016
EXCHANGES THROUGH POWER EXCHANGES - October 2016

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेंज के माध्यम से (मि.यु.मे) Through Power Exchange in MU	
			विक्रय Sale	क्रय Purchase
38	मध्य प्रदेश MP	पश्चिमी क्षेत्र WR	471.56	38.24
39	महाराष्ट्र Maharashtra		103.05	30.83
40	गुजरात Gujarat		37.19	462.08
41	छत्तीसगढ़ Chattisgarh		35.15	0.44
42	गोवा Goa		8.40	12.61
43	दमन और दीव Daman and Diu		0.00	42.38
44	दादरा और नगर हवेली Dadra & Nagar Haveli		0.00	243.37
45	जिंदल JD		186.26	0.00
46	लांको अमरकंटक LANCO AMK		0.00	0.00
47	आयन कोल ACB India Limited		24.00	0.00
48	जिंदल स्टील एंड पावर Jindal Steel and Power Ltd		29.96	0.00
49	बालको -2 Balco-II		6.05	0.00
50	स्टरलाइट Sterlite(w3rse0)		0.00	0.00
51	एमको EMCO		14.29	0.00
52	वन्दना विद्युत VANDANA VIDYUT		0.00	0.00
53	एस्सार पावर ESSAR POWER		0.45	0.00
54	एस्सार स्टील ESSAR STEEL		0.00	58.33
55	के एस के महानदी KSK Mahanadi		0.00	0.00
56	जिंदल स्टेज -II Jindal Stg-II		1.40	0.00
57	कोरबा (प.) Korba(W) Comp. Ltd.		19.25	0.00
58	डी बी पावर D B Power		115.77	0.00
59	धारीवाल Dhariwal		25.65	0.00
60	जे पी निगी Jaypee Nigire		91.30	0.00
61	जी एम आर छत्तीसगढ़ GMR Chhattisgarh		0.00	0.00
62	डी जीईएन मेगा पावर DGEN Mega Power		0.00	0.00
63	एम बी मेगा पावर MB Power		6.72	0.00
64	एपीएल मुद्रा स्टेज-I APL Mundra Stg-I		26.90	0.00
65	एपीएल मुद्रा स्टेज-II APL Mundra Stg-II		90.72	0.00
66	एपीएल मुद्रा स्टेज-III APL Mundra Stg-III		157.06	0.00
67	टोरेंट सुगेन Torrent Sugan		0.00	0.00
68	मारुति कोल Maruti Coal		65.26	0.00
69	स्पेक्ट्रम Spectrum		12.94	0.00
70	झाबुआ पावर Jhabua Power		0.00	0.00
71	विंध्याचल-I Vindhyachal Stg-I		0.00	0.00
72	विंध्याचल-II Vindhyachal Stg-II		0.00	0.00
73	विंध्याचल-III Vindhyachal Stg-III		0.00	0.00
74	विंध्याचल-IV Vindhyachal Stg-IV		0.00	0.00
75	विंध्याचल-V Vindhyachal Stg-V		0.00	0.00
76	मौदा-I Mouda STPS Stg-I		0.00	0.00
77	सीपत-I Sipat Stg-I		2.28	0.00
78	सीपत-II Sipat Stg-II		2.45	0.00
79	सासन Sasan UMPP		0.00	0.00
80	एनएसपीसीएल NSPCL		13.27	0.00
81	कोरबा-III Korba-III		36.45	0.00
82	टीआरएन इनर्जी TRN Energy		133.03	0.00
83	गंधार Gandhar		13.13	0.00
84	कोरबा I & II Korba Stage I & II		1.34	0.00

15. पावर मार्केट की सूचना (स्रोत : आई.ई.एक्स. एवं पी.एक्स.आई.एल.)

POWER MARKET INFORMATION (Source IEX & PXIL)

पावर एक्सचेंज के माध्यम से विनिमय - माह अक्टूबर 2016

EXCHANGES THROUGH POWER EXCHANGES - October 2016

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेंज के माध्यम से (मि.यु. मे) Through Power Exchange in MU	
			विक्रय Sale	क्रय Purchase
85	आंध्र प्रदेश Andhra Pradesh	दक्षिणी क्षेत्र SR	11.88	218.72
86	कर्नाटक Karnataka		101.64	299.21
87	केरल Kerala		3.83	102.00
88	तमिलनाडु Tamilnadu		17.32	18.64
89	पाण्डिचेरी Pondicherry		0.00	4.88
90	गोवा Goa		0.00	0.00
91	लांको कोंडापल्ली LANCO_KONDPLY		0.00	0.00
92	सिमापुरी SIMHAPURI		102.89	0.00
93	मीनाक्षी MINAXI		30.86	0.00
94	तेलंगाना TELANGANA		46.04	255.79
95	थर्मल पावर टेक Thermal Power Tech		21.13	0.00
96	कोस्टल इनरजेन Coastal Energen		2.29	0.00
97	आइ एल & एफ एस IL&FS		22.79	0.00
98	सिम्हाद्री-II Simhadri Stg-II		0.58	0.00
99	एनएलसी-I विस्तार NLC TPS-I (Exp)		6.22	0.00
100	एनएलसी-II स्टेज-I NLC TPS-II Stg-I	4.61	0.00	
101	एनएलसी-II स्टेज-II NLC TPS-II Stg-II	4.12	0.00	
102	लांको कोंडापल्ली स्टेज-III LANCO_KONDPLY STG III	0.21	0.00	
103	रामागुण्डम-I Ramagundam Stg-I	0.00	0.00	
104	तालचर-II Talcher Stg-II	0.00	0.00	
105	रामागुण्डम-III Ramagundam Stg-III	0.00	0.00	
106	पश्चिम बंगाल West Bengal	पूर्वी क्षेत्र ER	20.20	232.36
107	उड़ीशा Odisha		107.30	34.48
108	बिहार Bihar		0.00	147.77
109	झारखंड Jharkhand		0.00	0.00
110	सिक्किम Sikkim		43.41	0.00
111	दामोदर घाटी परियोजना DVC		29.23	6.28
112	स्टरलाइट STERLITE		0.00	0.00
113	मैथन पावर लिमिटेड Maithon P. Ltd		0.00	0.00
114	आधुनिक पा. लिमिटेड Adhunik P.Ltd		11.80	0.00
115	चूजाचेन Chuzachen HEP		57.00	0.00
116	रंगित Rangit HEP		0.00	0.00
117	तीस्ता Teesta HEP		0.00	0.00
118	जीएमआर कमलंगा GMR Kamalanga	4.79	0.00	
119	जिंदल आई पी टी एल JIPL	352.23	0.00	
120	जोरथांग Jorethang	60.58	0.00	
121	फरक्का-III Farakka-III	3.50	0.00	
122	अरुणाचल प्रदेश Arunachal Pradesh	पूर्वोत्तर क्षेत्र NER	1.97	0.00
123	असम Assam		74.83	41.17
124	मणिपुर Manipur		30.36	0.00
125	मेघालय Meghalaya		0.00	9.21
126	मिज़ोरम Mizoram		15.44	0.00
127	नागालैंड Nagaland		4.23	1.85
128	त्रिपुरा Tripura		29.03	2.17
129	अगरतला जीटीपीपी Agartala GTPP_AGO		10.48	0.00
130	कोपिली KOPILI_KP1		10.58	0.00
131	असम जीबीपीपी Assam GBPP_KTO		15.00	0.00
132	लोकटक LOKTAK		0.00	0.00
133	रंगानदी Ranganadi		12.03	0.00
134	दोयांग Doyang		2.78	0.00
135	पलाताना Palatana		2.73	0.00
136	कोपिली-II Kopili-II		0.75	0.00
137	खंडोंग Khandong	1.25	0.00	
कुल Total			3640.06	3640.06

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-October 2016****RE Source & Unit wise break up (01.10.2016-31.10.2016)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	73.8	18	0	0
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	1	1	3	3
5	Small Hydro	0	0	0	0
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	0	0	29	2
9	Bio-fuel cogeneration	0	0	0	0
	Total	74.8	19	32	5

RECs Issued (01.10.2016-31.10.2016)

Sr.No.	Non Solar	Solar	Total
1	239114	153041	392155

Redemption of REC (01.10.2016-31.10.2016)

Sr.No.	Non Solar	Solar	Total
1	256697	35612	292309

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-October 2016****RE Source & Unit wise break up (Apr-Oct 16)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	540.28	91	359.73	38
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	91.93	40	92.72	39
5	Small Hydro	36	5	33	8
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	109.5	9	71	6
9	Bio-fuel cogeneration	121.42	16	116.55	15
	Total	899	161	673	106

RECs Issued (Apr-Oct 16)

Sr.No.	Non Solar	Solar	Total
1	2177114	638014	2815128

Redemption of REC (Apr-Oct 16)

Sr.No.	Non Solar	Solar	Total
1	1894683	252404	2147087

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-October 2016****RE Source & Unit wise break up Since Inception to Oct 16**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	2488.21	623	2282.6	587
2	Urban or Municipal Waste	8	1	0	0
3	Solar Thermal	3	1	0	0
4	Solar PV	723.91	356	711.41	344
5	Small Hydro	297.69	37	237.19	30
6	Others	1.67	1	1.67	1
7	Geothermal	0	0	0	0
8	Biomass	715.42	76	711.42	77
9	Bio-fuel cogeneration	1075.2	124	999.5	116
	Total	5313.1	1219	4943.79	1155

RECs Issued since Inception to Oct 16

Sr.No.	Non Solar	Solar	Total
1	29533303	4857248	34390551

Redemption of REC since Inception to Oct 16

Sr.No.	Non Solar	Solar	Total
1	15969866	1160676	17130542

REC Closing balance as on 31.10.2016

Sr.No.	Non Solar	Solar	Total
1	13563437	3696572	17260009

17. Major Grid events for October 2016

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)220kV Ballabgarh-BTPS-I 2)220kV Ballabgarh-BTPS-II 3)220kV Ballabgarh-Dadri 4)220kV Ballabgarh-Samayapur-I 5)220kV Ballabgarh-Samayapur-II 6)220kV Ballabgarh-Samayapur-III 7)220V Samayapur-FGPP-I 8)220V Samayapur-FGPP-II 9) 400/220kV ICT-4 at Ballabgarh 10)BTPS init #4 & 5 11) Pragati generation	POWERGRID/ Delhi/BBMB/Haryana	01-10-2016	15:12	01-10-2016	15:46	00:34	At 14:38hrs 400/220kV ICT-4 at Ballabgarh tripped due to blast in Y-ph CB. At 15:12 hrs 400/220kV ICT-2 was made off by PGCIL as a precautionary measure. This led to tripping of 220kV Ballabgarh-Samayapur Ckt-I, II & III, 220kV Ballabgarh-BTPS-I & II, 220kV Ballabgarh-Dadri and 220kV Samayapur-FGPP-I & II.	505	800	GD-I
1	WR	Tripping of 1. 220kV Bina(MP)-Shivpuri 2. 220kV Bina(PG)-Shivpuri 3.220kV Shivpuri-Sabalgarh-1 & 2 4 132kV Sabalgarh-Khandar-1 & 2 5. 220/132kV ICT-1 & 2 220kV Bina (MP)- Shivpuri and Bina (PG)-Shivpuri tripped at 16:21 hrs due to B-E Fault and rest of the elements are hand tripped to control line loading	MPPTCL	01-10-2016	16:21	01-10-2016	16:42	00:21	220kV Bina (MP)- Shivpuri and Bina (PG)-Shivpuri tripped at 16:21 hrs due to B-E Fault resulting in overloading of 132 kV System which were tripped for equipment safety.		160	GD-I
1	NER	132 kV Dimapur (PG) - Kohima line	POWERGRID & DoP Nagaland	01-10-2016	23:24	01-10-2016	23:33	00:09	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur(PG)-Kohima line (132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement). At 23:44 Hrs on 01.10.16, 132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	21	14	GD-I
2	NER	132 kV Dimapur (PG) - Kohima line	POWERGRID & DoP Nagaland	01-10-2016	23:44	01-10-2016	23:56	00:12	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur(PG)-Kohima line (132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement). At 23:44 Hrs on 01.10.16, 132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	8	15	GD-I
2	NR	1)400kV Mainpuri(PG)-Paricha(UPPTCL) ckt-2, 2)220kV Mainpuri(UP)-Sirsaganj(UP) ckt-1 3)220kV Etah (UP)-Mainpuri (PG) 4)220kV Mainpuri(UP)-Mainpuri (PG) ckt-1	POWERGRID/ UP	02-10-2016	12:30	02-10-2016	13:51	01:21	B-N fault occurred. Multiple feeders from Mainpuri(PG) tripped.			GI-II

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				
3	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I line	POWERGRID	02-10-2016	12:38	02-10-2016	13:03	00:25	Part of Meghalaya system (Khliehriat, Mustem, NEIGRIHMS, NEHU, Umiam, Mawlai, Mawphlang, Nongstoin, Nangalbibra, Rongkhon, Umiam-Stg-I HEP & Stg-II HEP stations) was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I line(132 kV Khliehriat - Lumnsnong line,132 kV Agia - Mendipathar line and 132 kV Umiam Stg I - Umiam Stg III 1&2 lines kept open for system requirement, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) II line was not restored after tripping at 12:28 Hrs on 02.10.16). At 12:38 Hrs on 02.10.16, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I line tripped. Due to tripping of this element, part of Meghalaya system was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	70	GD-I
4	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I&II lines,132 kV NEHU - NEIGRIHMS line & 132 kV NEHU - Mustem line and Leshka Units 1 & 2	POWERGRID, MePTCL & MePGCL	02-10-2016	16:17	02-10-2016	16:21	00:04	Khliehriat area (NEIGRIHMS, Mustem, Leshka and Khliehriat substations) of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV NEHU - NEIGRIHMS line & 132 kV Mustem-NEHU line. (132 kV Khliehriat - Lumnsnong line kept open for system requirement). At 16:17 Hrs on 02.10.16, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV NEHU - NEIGRIHMS line & 132 kV Mustem-NEHU line tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	70	91	GD-I
3	NR	1)220kV Ganguwal-Jamalpur D/C 2)220kV Jamalpur-Sangrur D/C 3)220kV Jamalpur-Dhandari D/C 4)220kV Bhakra-Jamalpur D/C 5)220kV Jamalpur-Jalandhar D/C 6)220/132kV 100MVA ICT-1, 2 & 3 7)220/66kV 100MVA ICT-1, 2 & 3	Punjab/BBMB	02-10-2016	23:05	03-10-2016	00:00	00:55	R-phase CT of Bus coupler at 220kV Jamalpur blasted. It led to bus fault. Numerical bus bar protection didn't operate at 220kV Jamalpur station. It resulted into tripping of all 220kV feeders from remote end in Z-2 or Z-3.		400	GD-I
5	NER	132 kV Dimapur - Doyang I&II,132 kV Doyang - Mokokchung(NA) and Doyang Units 1,2 & 3	POWERGRID & DoP Nagaland and NEEPCO	03-10-2016	21:26	03-10-2016	21:30	00:04	Doyang Power Station was connected with rest of NER Grid through 132 kV Doyang- Dimapur I & II lines & 132 kV Doyang-Mokokchung(NA) line. At 21:26 Hrs on 03.10.16, 132 kV Doyang- Dimapur I & II lines & 132 kV Doyang-Mokokchung(NA) line tripped. Due to evacuation problem, Doyang Power Station was blacked out.	70	0	GD-I
2	WR	Tripping of 1. 220 kV Bus 1 Bhilad 2. 220 kV Bhilad-Vapi PG 2 3. 220 kV Bhilad-Atul 4. 220/66 kV 100 mVA ICT 1 5. 220 kV Bus Coupler Due to Bus fault on 220 kV Bus 1 at 220/66 kV Bhilad S/s	GETCO	04-10-2016	10:30	04-10-2016	11:38	01:08	220 KV Bus-1, Bhilad S/S was tripped at 10. 30 Hrs due to bus bar protection operation. 220 kV Vapi(PG)-2 and Atul lines and 220/ 66 KV , 100 MVA Transformer1 tripped along with 220 kV Bus-1.			GI-I

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				
4	NR	1)400 kV Anpara-Mau line 2)400kV Anpara-Sarnath 3)400kV Sarnath-Azamgarh 4)400kV Mau-Azamgarh 5)400kV Mau-Balia I 6)400kV Mau-Balia II	UP	04-10-2016	11:20	04-10-2016	12:12	00:52	During opening of 400 kV Anpara-Mau line, R-ph CB at Mau blasted.This fault could not be cleared at Mau end hence resulted into tripping of all 400kV lines emanating from Mau from remote end. 400kV Anpara-Sarnath and 400kV Sarnath-Azamgarh also tripped.		350	GD-I
6	NER	132 kV Balipara - Khupi	NEEPCO	05-10-2016	14:30	05-10-2016	15:14	00:44	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 14:30 Hrs on 05.10.16, 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	20	GD-I
1	SR	Complete outage of Sharavathy hydro power station of KPCL .	KPCL	05-10-2016	15:35	05-10-2016	17:54	02:19	Bus fault had occurred during restoration after tesing bus coupler breaker-2 at Sharavathy. Bus bar protection has not been commissioned after previous fire incident at Sharavathy power station. Absence of bus bar protection led to tripping of feeders on Zone-2 ans reverse zone protection.	140		GD-I
2	SR	Tripping of 400kV Bus-B, at Srisailam left bank power station, 400kV Srisailam-Kurnool & 400kV Shankarapalli-Srisailam at Srisailam left bank power station.	AP	05-10-2016	16:46	05-10-2016	19:26	02:40	400kV Bus-B at Srisailam left bank station got tripped due to LBB operation of Unit-5 breaker during synchronization of Unit-5. 400kV Srisailam-Kurnool & 400kV Shankarapalli-Srisailam and one SUT got tripped during the incident			GI-II
7	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I&II lines,132 kV NEHU - NEIGRIHMS line & 132 kV NEHU - Mustem line and Leshka Units 1 & 2	POWERGRID, MePTCL & MePGCL	05-10-2016	17:37	05-10-2016	17:40	00:03	Khliehriat area(Khliehriat,NEIGRIHMS,Leshka & Mustem stations) of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV Mustem-NEHU line & 132 kV NEIGRIHMS - NEHU line (132 kV Khliehriat-Lumnsnong line kept open for system requirement). At 17:37 Hrs on 05.10.16, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV Mustem-NEHU line & 132 kV NEIGRIHMS - NEHU line tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	90	36	GD-I
1	ER	Meramundali (OPTCL)	OPTCL	05-10-2016	18:10	05-10-2016	18:18	00:08	220 kV Meramundali – Bhanjanagar – I was under shutdown. While closing Bus – I breaker of 220 kV Meramundali – Bhanjanagar – I after maintenance, Bus – I PT fuse failure occurred. Distance protection relays of all 220 kV feeders connected to Bus – I operated due to absence of voltage in all three phases resulting total power failure at Meramundali.		85	GD-I
2	SR	Complete outage of 230kV Taramani substation of TANTRANSCO.	TANTRANSCO	05-10-2016	23:09	05-10-2016	23:26	00:17	Connected 230kV lines tripped due to faults due to jumper snapping leading to loss of supply to 230kV Taramani.		200	GD-I
1	SR	Tripping of HVDC Talcher-Kolar HVDC pole-1	POWERGRID	05-10-2016	23:50	06-10-2016	05:47	00:14	HVDC Talcher-Kolar Pole-1 tripped at Talcher end at 23:50 hrs due to thyristor failure at Talcher end. Emergency switch off (ESOF) was received at Kolar. Pole-2 went into metallic return mode after tripping of Pole-1			GI-II

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	NER	132 kV Imphal (PG) - Imphal (MA) I & II lines	POWERGRID & MSPCL	06-10-2016	09:28	06-10-2016	09:47	00:19	Capital area & Karong area of Manipur were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line & 132 kV Karong-Kohima line kept open for system requirement). At 09:28 Hrs on 06.10.16, 132 kV Imphal-Imphal I & II lines tripped. Due to tripping of these elements, Capital area & Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	41	GD-I
3	WR	Tripping of 1. Satpura Unit 10 2. Satpura Unit 11 3. 220 kV Bus 1 and Bus 2 at Astha 4. 220 kV Astha-Sajapur D/C 5. 220 kV Astha-Bhopla D/C 6. 220 kV Astha-Dewas D/C 7. 220/132 kV 100 MVA ICT at Astha Due to Bus fault on 220 kV Bus of Astha due to Human error.	MPPGCL	06-10-2016	18:18	06-10-2016	20:16	01:58	220 kV Bus Fault occurred at 220 kV Astha Bus of 400/220/132 kV Astha substation due to Human error of opening of Live ICT Isolator of 220/132 kV ICT in place dead ICT under maintenance. As during this, Bus bar protection was made off so all elements tripped on backup protection system. Unit 10,11 of Satpura connected at 400 kV Satpura Extension also tripped due to improper setting. The 132 kV System of Astha survived during the event.	394		GI-II
5	NR	1)400kV Deepalpur-Kabulpur ckt-1 2)315MVA 400/220kV ICT #2 at Deepalpur(HVPNL) 3)400kV Deepalpur-Kabulpur ckt-2 4)315MVA 400/220kV ICT #1 at Deepalpur(HVPNL)	Haryana	07-10-2016	12:53	07-10-2016	14:27	01:34	400kV Deepalpur-Kabulpur ckt-1, 315MVA 400/220kV ICT #2 at Deepalpur(HVPNL) tripped. Again at 13:20hrs, 400kV Deepalpur-Kabulpur ckt-2, 315MVA 400/220kV ICT #1 tripped.		450	GD-I
9	NER	132 kV Balipara - Khupi line	NEEPCO	07-10-2016	15:17	07-10-2016	15:43	00:26	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 15:17 Hrs on 07.10.16, 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	21	GD-I
3	SR	Tripping of HVDC pole-1 at Bhadrawati	POWERGRID	07-10-2016	17:56	08-10-2016	00:20	06:24	Pole-1 tripped on "VBE1S.VALVE POWER SUPPLY UNIT - LOW" & " VBE1S.VBE OPERATING STATE - TRIP".			GI-II
2	ER	Purnea (BSPTCL & POWERGRID)	BSPTCL & POWERGRID	08-10-2016	03:33	08-10-2016	03:40	00:07	At 03:33 Hrs, 132 KV Purnea (PG) - Kishangunj & 132 KV Forbisgunj-Kataiya II & III tripped on R-Y-N fault resulting overloading of 132 kV Purnea (PG) – Forbisgunj and 132 KV Forbisgunj-Kataiya I. To control the overloading, 132 KV Forbisgunj-Kataiya I was manually opened. After opening of this line, load at Nepal was catered through 132 kV Madhepura-Supaul D/C which got overloaded. To control the overloading at 132 kV Madhepura-Supaul D/C, two lines were manually switched off and load at Nepal got interrupted.		140	GD-I

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	NER	132 kV BTPS - Dhaligaon I&II lines	AEGCL	08-10-2016	18:52	08-10-2016	20:02	01:10	Dhaligaon area of Assam was connected with rest of NER Grid through 132 kV Dhaligaon-BTPS I & II lines (132 kV Rangia-Bornagar line & 132 kV Rangia-Nalbari line kept open for system requirement). At 18:52Hrs on 08.10.16, 132 kV Dhaligaon-BTPS I & II lines tripped. Due to tripping of these elements, Dhaligaon area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	110	GD-I
3	ER	Purnea (BSPTCL & POWERGRID)	BSPTCL & POWERGRID	09-10-2016	00:05	09-10-2016	00:25	00:20	At 00:05 Hrs, 132 KV Purnea (PG) – Kishangunj, 132 kV Purnea (PG) – Forbisgunj & 132 KV Forbisgunj-Kataiya III tripped on due to voltage unbalance. Subsequently 132 KV Forbisgunj-Kataiya I & II, 132 KV Kataiya-Duhabi were opened from Kataiya end to avoid overloading of 132 kV Madhepura-Supaul-Kataiya section and load at Nepal got interrupted.		90	GD-I
11	NER	132 kV Silchar - Hailakandi line	POWERGRID & AEGCL	09-10-2016	05:43	09-10-2016	06:06	00:23	Dullavcherra & Hailakandi areas of Assam and Dharmanagar area of Tripura were connected with rest of NER Grid through 132 kV Silchar- Dullavcherra line (132 kV P K Bari - Dharmanagar line kept open for system requirement). At 05:43 Hrs on 09.10.16, 132 kV Silchar-Dullavcherra line tripped. Due to tripping of this element, Dullavcherra & Hailakandi areas of Assam and Dharmanagar area of Tripura were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	GD-I
4	ER	Patratu (JUSNL)	JUSNL	09-10-2016	18:25	09-10-2016	18:29	00:04	At 18:25 hrs, 220 kV PTPS – Hatia – I & II, 132 kV Hatia II – Hatia I – II, 132 kV Hatia II – Lohardanga – I & II, 132 kV Hatia I – PTPS 9C, 132 kV Hatia I – Kanke – PTPS 8C, 132 kV Hatia II – Namkum tripped due to R-B – N fault		350	GD-I
6	NR	1) 400kV Orai-Paricha 2)400kV Mainpuri(PG)-Orai(UPPTCL) ckt-1	POWERGRID/ UP	10-10-2016	00:58	10-10-2016	23:52	22:54	R-phase CT of 400kV Orai-Paricha got damaged and line tripped. 400kV Mainpuri(PG)-Orai(UPPTCL) ckt-1 tripped along with this.			GI-II
12	NER	132 kV Ranganadi - Ziro line	POWERGRID	10-10-2016	04:47	10-10-2016	05:18	00:31	Ziro area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Ranganadi-Ziro line. At 04:47 Hr on 10-Oct-16, 132 kV Ranganadi-Ziro line tripped. Due to tripping of this element, Ziro area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	12	GD-I
13	NER	132 kV Dimapur (PG) - Kohima line	POWERGRID & DoP Nagaland	10-10-2016	15:17	10-10-2016	15:34	00:17	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur-Kohima line (132 kV Karong-Kohima line & 66 kV Tuensang-Likimro line kept open for system requirement). At 15:17 Hr on 10-Oct-16, 132 kV Dimapur-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	16	30	GD-I

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				
4	SR	Tripping of HVDC Talcher-Kolar pole-1	POWERGRID	10-10-2016	16:35	10-10-2016	17:29	00:54	Pole-1 of HVDC Talcher-Kolar tripped due to receipt of "Pole block command from Talcher end due to tripping Pole-1 DC filter at Talchar end. Pole 2 went into metallic return mode after tripping of pole-1			GI-II
7	NR	1)400kV Agra(UP)-Fatehabad 765 (UP) ckt-1 2)400kV Fatehabad 765(UP)-Muradnagar New(UP) 3)765kV Fatehabad 765(UP)-Lalitpur ckt-1 4)315MVA Lalitpur 765/220kV ICTs 5)Lalitpur unit #1	LPGL/UP	11-10-2016	20:23	11-10-2016	21:10	00:47	400kV Agra(UP)-Fatehabad 765 (UP) ckt-1 tripped on B phase to earth fault due to which 400kV Fatehabad 765(UP)-Muradnagar New(UP) tripped. 765kV Fatehabad 765(UP)-Lalitpur TPS(LPGCL) ckt-1 along with both 315MVA Lalitpur 765/220kV ICTs also tripped. Due to loss of evacuation path, Lalitpur unit#1 tripped.	630	600	GD-I
8	NR	1)220kV Bairasuil(NHPC)-Pong(BBMB) 2)220kV Bairasuil(NHPC)-Jassure(HPSEB)	NHPC/BBMB/ HP	12-10-2016	01:30	12-10-2016	02:36	01:06	220kV Bairasuil(NHPC)-Pong(BBMB) and 220kV Bairasuil(NHPC)-Jassure(HPSEB)tripped on distance protection operation.			GI-II
9	NR	1)400kV Makhu-Nakodar ckt-1 2)400kV Nakodar-Rajpura(TH) ckt-1	Punjab	12-10-2016	04:00	12-10-2016	06:46	02:46	400kV Makhu-Nakodar ckt-1 and 400kV Nakodar-Rajpura(TH) ckt-1 tripped on overvoltage.			GI-II
	SR	Tripping of 230kV Bus-1 (400/230kV ICT 5 LV, Manali-1, Mosur, NCTPS, Thiruverkadu) at 230kV Alamathy Substation of TANTRANSCO	TANTRANSCO	12-10-2016	11:26	12-10-2016	11:40	00:14	230kV Alamathy- OPG line -1 tripped due to snapping of B phase jumper. At the same time the feeders connected in 230kV BUS – A got Tripped due to actuation of 230kV Bus Bar Protection (Zone - 1).			GI-I
5	SR	Tripping of Running units at Rayalaseema TPS-1, 3 and 5	AP	13-10-2016	16:56	13-10-2016	19:54	02:58	Unit-1,2 and 3 got tripped due operation of LBB protection of bypass breaker as main breaker of Unit-3 was under lockout.	500		GI-II
3	SR	Complete outage of 230kV Palladam, 230kV O.K.Mandapam, 230kV Thudiyalur and 230kV Coimbatore.	TANTRANSCO	13-10-2016	19:58	13-10-2016	23:09	03:11	Due to multiple feeder trippings, there was supply failure at 230kV Palladam, 230kV OKMandapam, 230kV Thudiyalur and 230kV Coimbatore. LBB operation at the 230kV Myvadi Substation during fault in 230kV Mywadi-Anaikadavu feeder lead to complete outage at 230kV Mywadi substation.		500	GD-I
4	WR	Tripping of 1. 400/220 kV Varsana ICT 1 2. 220 kV Bus 1 at Varsana 3. All 220 kV Bus 1 Connected element at Varsana Due to 220 kV Bus 1 Fault	GETCO	14-10-2016	18:18	14-10-2016	19:05	00:47	At 18:28 hrs 220 kV Bus 1 fault occurred at 400/220 kV Varsana S/s during shifting of 220 kV Varsana-Tappara-2 line on TBC at Varasana. This led to tripping of all 220 kV Bus 1 connected circuit along with one ICT at Varsana S/s.			GI-I
14	NER	132 kV Balipara - Khupi line	NEEPCO	15-10-2016	10:27	15-10-2016	12:26	01:59	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 10:27 Hr on 15-Oct-16, 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	21	GD-I
5	WR	Tripping of 1. 400 kV ISP-Satpura 2. 400/220 kV 500 VA ICT 3. 400 kV Satpura-Seoni 4. 400 kV Satpura-Astha-I 5. 400 kV 63 MVAR Reactor 6. Unit 11 (250 MW) due to Bus Bar Protection on Main Bus-1 at Satpura	MPPGCL	16-10-2016	11:27	16-10-2016	12:25	00:58	400 kV Satpura-ISP circuit tripped on 3 Phase fault. At the same time, Bus bar protection of 400 kV Main Bus 1 of Satpura Substation also operated resulting in tripping of allconnected feeder along with Bus coupler. Unit 11 which was connected with 400 kV Bus 1 also tripped with Bus bar operation.	168		GI-II

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				
6	WR	Tripping of 1. 220Kv Chhegaon- Khandwa-1 & 2 2. 220Kv Chhegaon- Singhaji-1 & 2 3. 220KV Chhegaon- Nimrani-2 4. 220KV Chhegaon- Neapanagar due to 220 kV bus 2 Bus CVT blasted at 400/220/132 kV Chhegaon S/s	MPPTCL	17-10-2016	01:14	17-10-2016	02:41	01:27	R phase Bus PT of 220 kV Bus 2 burst at 400/220/132 kV Chhegaon substation causing bus bar operation and tripping of all connected elements on the 220 kV Bus 2 along with bus coupler.			GI-I
10	NR	1)220 kV Ludiana-Jagrao 2)400/220kV Ludhiana 315 MVA ICT 1 3)400/220kV Ludhiana 315 MVA ICT 2	Punjab	19-10-2016	11:29	19-10-2016	11:45	00:16	220 kV Ludiana-Jagrao line tripped due to fault in line near wave trap at Ludhiana S/S. 400/220kV Ludhiana 315 MVA ICT 1 and 2 tripped along with this.		100	GD-I
7	WR	Tripping of 1. 220 kV Bus 2 at Sikka TPS 2. ST 3 & 4 at Sikka TPS 3. 100 MVA ICT 3 & 4 4. Unit 3 and 4 Due to operation of 220 kV Bus 2 Bus Bar protection during testing of Distance protection of future lines.	GSECL	19-10-2016	14:31	19-10-2016	20:15	05:44	AT 14:31 Hrs, the Distance protection scheme of future 220 kV Lines were under testing leading to LBB operation for GT 4 due to wrong wiring which gave command to 220 kV Bus Bar protection 2 and tripping of feeders.			GI-I
11	NR	1)765kV Fatehabad 765(UP)-Lalitpur TPS(LPGCL) ckt-1 2)all 220kV lines from Lalitpur 3)Generation at Lalitpur	UP	19-10-2016	15:39	19-10-2016	16:49	01:10	765kV Fatehabad 765(UP)-Lalitpur TPS(LPGCL) ckt-1 tripped. Due to which all 220kV lines from Lalitpur along with Lalitpur generation tripped.	1230	150	GD-I
15	NER	132 kV Balipara - Khupi	NEEPCO	20-10-2016	11:33	20-10-2016	11:50	00:17	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 11:33 Hr on 20-Oct-16, 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	21	GD-I
12	NR	1)765kV Fatehabad 765(UP)-Lalitpur TPS(LPGCL) ckt-1 2)all 220kV lines from Lalitpur 3)Generation at Lalitpur	UP	20-10-2016	13:11	20-10-2016	19:23	06:12	765kV Fatehabad 765(UP)-Lalitpur TPS(LPGCL) ckt-1 tripped. Due to which all 220kV lines from Lalitpur along with Lalitpur generation tripped.	1000	150	GD-I
5	ER	Begusarai, Biharshariff	BSPTCL	21-10-2016	12:12	21-10-2016	12:35	00:23	At 12:12 hrs, 220 KV Biharshariff - Begusarai D/C tripped on B-N fault causing power failure at Begusarai and Darbhanga. As per PMU data, fault was cleared within 100 ms.		223	GD-I
6	ER	Ramchandrapur	JUSNL	22-10-2016	19:16	22-10-2016	20:13	00:57	At 19:16 hrs, bursting of 220 kV side R phase CT of 400/220 KV, 315 MVA ICT-II at Ramchandrapur resulted tripping of both 400/220 KV ICTs at Ramchandrapur from both end. At same time, 220 KV STPS – Chandil S/C tripped from Chandil end in O/C & E/F along with B/C at Ramchandrapur end. 220 kV Ramchandrapur – Chandil was manually switched off. 220 KV Chandil-Ranchi S/C was under shutdown. So, total power failure occurred at Ramchandrapur, Chandil and their surrounding area.		250	GD-I

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				
13	NR	1)220kV Dausa-Bassi 1 2)220kV Dausa-Bassi 2 3)220kV Dausa-Alwar 4)220kV Dausa-Mandawar 5)220kV Dausa-Sikrai 6)220kV Dausa-Lalsot 7)220kV Dausa-Sawai Madhopur	Rajasthan	23-10-2016	11:55	23-10-2016	12:17	00:22	B-phase CTs of 220kV Bus-Coupler Burnt and created bus fault on Bus-2. All feeders connected to bus tripped from Dausa end. 220kV Dausa-Bassi 1 & II tripped on intertripping signal.			GI-II
8	WR	Tripping of 1. 220kV Jabalpur(Sukha)-Panagar-I 2. 220kV Jabalpur(Sukha)-Narsinghpur-I 3. 220kV Jabalpur(Sukha)-Jabalpur-I 4. 400/220kV ICT-I at Jabalpur(Sukha) LBB operated on Bus-I at 220kV Jabalpur(Sukha)	MPPTCL	23-10-2016	21:55	24-10-2016	00:18	02:23	LBB operated on Bus-I at 220kV Jabalpur(Sukha) of Jabalpur ICT-I which tripped on Y-phase supervision relay operated at 220kV side. With this all 220 kV elements from Sukha tripped from 220 kV Bus 1 along with bus coupler.			GI-I
16	NER	132 kV Imphal (PG) - Imphal (MA) I&II	POWERGRID, POWERGRID/ MSPCL	24-10-2016	08:11	24-10-2016	08:29	00:18	Capital area & Karong Area of Manipur was connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines & 132 kV Karong - Kohima line (132 kV Kakching-Kongba line kept open for system requirement). At 08:11 Hr on 24.10.16, 132 kV Imphal-Imphal I & II lines & 132 kV Karong - Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	31	GD-I
6	SR	Multiple tripping at NLC TS-2 power station (400kV Bus-2, 400kV NLC TS2 -Salem-2, 400kV NLC TS2 -NLC1Exp, 400kV NLC TS2 -NLC2Exp, 400/230kV ICT#1, NLC-II unit#4 and #5)	NLC	27-10-2016	10:30	27-10-2016	11:16	00:46	Shutdown of 400kV NLC TS2 (Neyveli TS2)- Pugalur line was being availed for installing PMU at Pugalur end. Line was hand tripped at Pugalur end and direct trip was sent to NLC TS2 end. However, there was delayed opening of Y-pole breaker due to sluggish operation at NLC TS2 end which resulted in operation of LBB protection of 400kV Pugalur feeder and in-turn led to tripping of breakers connected to Bus-2 at NLC TS2 end. NLC TS2 has Double Main Transfer Bus (DMT) scheme, hence all the elements connected to bus-2 i.e. 400kV NLC TS2 -Salem-2, 400kV NLC TS2 -NLC1Exp, 400kV NLC TS2 -NLC2Exp, 400/230kV ICT#1, NLC-II unit#4 and #5	390		GI-II
14	NR	1)400kV Ballabgarh-Bamnoli ckt-2	Delhi	29-10-2016	12:06	29-10-2016	12:48	00:42	Emergency S/D of 400kV Ballabgarh-Bamnoli ckt-1 availed and while opening the line ckt-2 got tripped. Load loss occurred.		550	GD-I
15	NR	1)unit #7 at Harduaganj TPS (UP) 2)unit #9 at Harduaganj TPS (UP) 3)220/132kV ICT at Harduaganj TPS (UP)	UP	30-10-2016	03:22	30-10-2016	05:26	02:04	unit #7 & #9 tripped along with 220/132kV ICT due to accident made with Monkey.	350		GD-I

18. NEW ELEMENTS COMMISSIONED IN OCTOBER-2016								
COMMISSIONING OF NEW GENERATING UNITS								
REGION	SL. NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY (MW)	DATE	TIME	
COMMISSIONING OF NEW ICT's								
REGION	SL. NO.	CONSTITUENT	VOLTAGE LEVEL	SUB-STATION	ICT NO	CAPACITY	DATE	TIME
NR	1	POWERGRID	400/220	Samba	III	315	27.10.16	15:14
	2	UPPTCL	400/220	Mandola (replacing 315 MVA ICT)	II	500	14.10.16	17:53
	3		400/220	Muradnagar (replacing damaged ICT)	I	240	28.10.16	17:38
WR	4	NTPC	400/132	Solapur (NTPC)		200	21.10.16	
SR	5	APTRANSCO	400/220	Jammalamadugu	I	315	06.10.16	
NER	6	OTPC	400/132	Palatana	II	125	08.10.16	15:54
COMMISSIONING OF NEW TRANSMISSION LINES								
REGION	SL. NO.	CONSTITUENT	LINE NAME	CKT NO	kV	DATE	TIME (Hrs)	
NR	1	POWERGRID	Varanasi-Sarnath	1	400	19.10.16	19:35	
	2		Varanasi-Sarnath	2	400	20.10.16	12:43	
	3	UPPTCL	Agra(Fatehabad)-Lalitpur	1	765	03.10.16	20:08	
	4		LILO of Agra(UP)-Agra(PG) at Agra(Fatehabad)		400	19.10.16		
	5		LILO of Mainpuri-Paricha 1 at Orai	1	400	10.10.16		
	6	RRVPL	LILO of Jaipur-Chaksu 1 at Goner (bypassing Goner)	1	220	20.10.16	22:40	
WR	7	KSK	KSK-Champa	3	400	04.10.16		
	8		KSK-Champa	4	400	04.10.16		
	9	RKM	RKM-Kotra	1	400	28.10.16		
	10		RKM-Kotra	2	400	28.10.16		
	11	POWERGRID	Raipur-Raigarh (removal of LILO at RKM)	3	400	09.10.16		
12	Raipur-Raigarh (removal of LILO at KSK)		4	400	14.10.16			
SR	13	POWERGRID	Nagapattinam-Dharpuri	1	400	21.10.16	21:57	
	14		Nagapattinam-Dharpuri	2	400	21.10.16	21:05	
	15		Coastal Energen - Tuticorin Pooling Station	2	400	27.10.16	16:57	
	16		Coastal Energen - Tuticorin Pooling Station	1	400	29.10.16	21:32	

विद्युत विभव रूपरेखा माह – अक्टूबर 2016

VOLTAGE PROFILE - OCTOBER 2016

क्र.स. Sl. No.	क्षेत्र REGION	उपकेंद्र SUBSTATION	VOLTAGE < V(lower)* (V=380,728 kV)	V(lower) < VOLTAGE < V(upper)*	VOLTAGE > V(upper)* (V=420,800 kV)	Voltage Deviation Index (%age of time voltage is outside range)	उच्चतम (कि.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	784	758	774
2		गया GAYA	0%	100%	0%	0%	790	745	772
3		झारसुगुडा JHARSUGUDA	0%	100%	0%	0%	797	766	784
4		रांची RANCHI	0%	100%	0%	0%	794	758	779
5		सासाराम SASARAM	0%	100%	0%	0%	786	724	760
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	796	745	773
2		अनपरा सी ANPARA-C	0%	100%	0%	0%	779	750	766
3		बलिया BALLIA	0%	100%	0%	0%	790	745	773
4		भिवानी BHIWANI	0%	93%	7%	7%	810	751	786
5		बरेली BAREILLY	0%	100%	0%	0%	760	745	760
6		फतेहपुर FATEHPUR	0%	100%	0%	0%	782	736	762
7		झाटिकरा JHATIKARA	0%	99%	1%	1%	805	753	781
8		लखनऊ LUCKNOW	0%	100%	0%	0%	801	749	776
9		मेरठ MEERUT	0%	97%	3%	3%	808	753	782
10		मोगा MOGA	0%	96%	4%	4%	806	755	783
11		फागी PHAGI	0%	100%	0%	0%	800	746	779
12		उन्नाव UNNAO	0%	100%	0%	0%	778	730	755
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	789	736	765
2		औरंगाबाद AURANGABAD	0%	99%	1%	1%	808	742	781
3		भोपाल (बीडीटीसीएन) BHOPAL (BDTCL)	0%	100%	0%	0%	792	745	770
4		बिलासपुर BILASPUR	0%	100%	0%	0%	778	751	765
5		बीना BINA	0%	100%	0%	0%	799	754	777
6		चांपा CHAMPA	0%	94%	6%	6%	807	778	794
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	787	752	774
8		धुले (बीडीटीसीएन) DHULE (BDTCL)	0%	99%	1%	1%	805	743	778
9		ग्वालियर GWALIOR	0%	100%	0%	0%	801	747	777
10		इंदौर INDORE	0%	100%	0%	0%	794	748	773
11		जबलपुर JABALPUR	0%	100%	0%	0%	798	754	779
12		कोरडी KORADI	0%	100%	0%	0%	771	734	753
13		पुणे PUNE	0%	100%	0%	0%	800	727	769
14		रायगढ़ पुलिंग RAIGARH POOLING	0%	99%	1%	1%	804	769	789
15		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	802	762	782
16		सासन SASAN	0%	100%	0%	0%	789	758	771
17		सतना SATNA	0%	100%	0%	0%	798	753	776
18		सिवनी SEONI	0%	100%	0%	0%	799	750	779
19		सीपत SIPAT	0%	100%	0%	0%	775	751	764
20		सोलापुर SOLAPUR	0%	92%	8%	8%	811	750	787
21		तामनार TAMNAR	0%	100%	0%	0%	803	777	790
22		तिरोडा TIRORA	0%	100%	0%	0%	765	740	753
23		वडोदरा VADODARA	0%	99%	1%	1%	806	755	782
24		विंध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	788	761	774
25		वर्धा WARDHA	0%	99%	1%	1%	806	752	784
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	99%	1%	1%	810	759	785
2		नेल्लूर पुलिंग NELLORE PS	0%	100%	0%	0%	805	764	784
3		रायचूर RAICHUR	0%	98%	2%	2%	808	757	785
4		तिरुवलम THIRUVALEM	0%	64%	36%	36%	820	771	796
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	412	400	407
2		बालिपारा BALIPARA (400 kV)	0%	97%	3%	3%	426	387	411
3		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	415	378	402
4		मीसा MISA (400 kV)	0%	92%	8%	8%	426	391	413
5		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	418	395	409

*Percentage is calculated w.r.t. Time of one month.

21. List of Tripping of Elements monitored by NLDC for the month of October 2016

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
HVDC - IR										
1	Pusauli	HVDC	ER/NR	MO	01-10-2016 00:00	Taken out manually	04-10-2016 19:14	91:14:00	0	
2	Pusauli	HVDC	ER/NR	SO	14-10-2016 09:09	For SCADA upgradation works.	14-10-2016 21:35	12:26:00	0	
3	Pusauli	HVDC	ER/NR	SO	14-10-2016 21:35	For SCADA upgradation works.	15-10-2016 21:14	23:39:00	0	
4	Pusauli	HVDC	ER/NR	SO	16-10-2016 09:30	For SCADA upgradation works.	16-10-2016 19:17	9:47:00	0	
5	Pusauli	HVDC	ER/NR	SO	17-10-2016 09:10	For SCADA upgradation works.	17-10-2016 19:35	10:25:00	0	
6	Pusauli	HVDC	ER/NR	SO	18-10-2016 09:19	For SCADA upgradation works.	18-10-2016 18:47	9:28:00	0	
7	Pusauli	HVDC	ER/NR	SO	19-10-2016 09:08	For SCADA upgradation works.	19-10-2016 18:47	9:39:00	0	
8	Pusauli	HVDC	ER/NR	SO	20-10-2016 09:25	For SCADA upgradation works.	24-10-2016 17:40	104:15:00	0	
9	Vindhyachal Pole-I	HVDC	WR/NR	SO	01-10-2016 00:00	DC Overcurrent relay operated	01-10-2016 11:23	11:23:00	0	
10	Vindhyachal Pole-I	HVDC	WR/NR	SE	07-10-2016 10:27	AC harmonic filter Breaker stuck	07-10-2016 11:05	0:38:00	0	
11	Vindhyachal Pole-I	HVDC	WR/NR	SE	12-10-2016 11:05	FINE WATER HIGH CONDUCTIVITY.	12-10-2016 14:03	2:58:00	0	
12	Mundra-Mahendragarh-Pole-I	HVDC	WR/NR	TS	15-10-2016 00:14	VALVE COOLING PROBLEM AT MOHINDRAGARH	15-10-2016 01:22	1:08:00	1	
13	Vindhyachal Pole-II	HVDC	WR/NR	TS	14-10-2016 21:58	AC conductor ground fault protection operated on North side	29-10-2016 18:27	356:29:00	1	
14	Talcher-Kolar Pole-I	HVDC	ER/SR	TS	05-10-2016 23:50	THYRISTOR FAILURE	06-10-2016 05:47	5:57:00	1	
15	Talcher-Kolar Pole-I	HVDC	ER/SR	TS	10-10-2016 16:35	BLOCKED ON DC FILTER TRIPPEING AT TALCHER	10-10-2016 17:29	0:54:00	2	
16	Bhadrawati Pole-I	HVDC	WR/SR	TP	07-10-2016 17:56	MALOPERATION	08-10-2016 00:17	6:21:00	1	
17	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	13-10-2016 01:53	Tripped due to valve cooling problem at Agra end	13-10-2016 02:45	0:52:00	1	
18	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	TS	13-10-2016 01:53	Tripped due to valve cooling problem at Agra end	13-10-2016 02:46	0:53:00	1	
19	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	SE	13-10-2016 15:49	Hand tripped due to valve cooling auxiliary supply problem at Agra end	13-10-2016 22:18	6:29:00	1	
20	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	TS	14-10-2016 07:27	Tripped due to filter tripped at BNC end	14-10-2016 09:45	2:18:00	2	
21	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	TS	15-10-2016 11:08	Valve cooling problem	15-10-2016 12:31	1:23:00	3	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
22	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	SC	18-10-2016 09:51	For taking up pole-3 equipment erection/ integration work at Agra end	28-10-2016 11:12	241:21:00	1	
23	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	MO	24-10-2016 06:58	To facilitate shutdown of Binaguri Bongaigaon	24-10-2016 07:27	0:29:00	3	
24	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	TS	24-10-2016 09:58	Due to high neutral current in the converter transformer neutral bushings	24-10-2016 13:40	3:42:00	4	
25	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	TS	24-10-2016 13:41	Due to high neutral current in the converter transformer neutral bushings	24-10-2016 14:02	0:21:00	5	
26	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	MO	24-10-2016 23:52	To reverse power flow	25-10-2016 00:20	0:28:00	5	
27	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	TS	26-10-2016 21:36	AC filter bus protection operated at BNC	27-10-2016 07:19	9:43:00	6	
28	Biswanath Chariali-Agra Pole-II	HVDC	NER/NR	MO	28-10-2016 12:06	Opened manually due to High Voltage	29-10-2016 18:16	30:10:00	6	
29	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	MO	28-10-2016 15:47	To transfer Ground return mode to Metallic return mode	28-10-2016 16:43	0:56:00	1	
30	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	29-10-2016 05:34	Heavy sparking in Y-Ph PLCC capacitor	29-10-2016 09:37	4:03:00	2	
31	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	MO	29-10-2016 17:01	To reduce voltage BNC (420Kv)/ deblocked in bipole mode with 500MW	29-10-2016 17:29	0:28:00	2	
HVDC - Internal										
32	Rihand-Dadri Pole-I	HVDC	NR	SC	06-10-2016 08:28	Diverson of Line--- Due to Agra-Lucknow Industrial Expressway	06-10-2016 22:04	13:36:00	0	
33	Rihand-Dadri Pole-II	HVDC	NR	SC	06-10-2016 08:34	Diverson of Line--- Due to Agra-Lucknow Industrial Expressway	06-10-2016 22:17	13:43:00	0	
34	Rihand-Dadri Pole-I	HVDC	NR	SC	07-10-2016 08:00	Diverson of Line--- Due to Agra-Lucknow Industrial Expressway	07-10-2016 22:24	14:24:00	0	
35	Rihand-Dadri Pole-II	HVDC	NR	SC	07-10-2016 08:07	Diverson of Line--- Due to Agra-Lucknow Industrial Expressway	07-10-2016 20:10	12:03:00	0	
36	Rihand-Dadri Pole-I	HVDC	NR	TL	25-10-2016 11:04	Distance Protection Operated	25-10-2016 11:40	0:36:00	1	
765 kV - IR										
37	765 kV Gaya-Varanasi-I	Line	ER/NR	SE	07-10-2016 16:20	Oil Leakage in line reactor at Varanasi end	07-10-2016 18:57	2:37:00	0	
38	765 kV New Ranchi-Dharamjaygarh-II	Line	ER/WR	SC	15-10-2016 10:34	CT/PT Connection at PMU Panel	15-10-2016 11:46	1:12:00	0	
39	765 kV New Ranchi-Dharamjaygarh-II	Line	ER/WR	SO	20-10-2016 11:04	To resolve the PLCC link problem	20-10-2016 19:28	8:24:00	0	
40	765 kV New Ranchi-Dharamjaygarh-II	Line	ER/WR	SO	28-10-2016 08:08	RTV COATING of Reactor Bushing	28-10-2016 18:46	10:38:00	0	
41	765 kV New Ranchi-Dharamjaygarh	Line	ER/WR	SC	15-10-2016 15:41	CT/PT Connection at PMU Panel	15-10-2016 16:47	1:06:00	0	
42	765 kV New Ranchi-Dharamjaygarh	Line	ER/WR	TV	26-10-2016 20:08	Tripped on Over Voltage	26-10-2016 20:54	0:46:00	1	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
43	765 kV Jharsuguda-Dharmjaygarh-II	Line	ER/WR	SC	17-10-2016 11:20	CT/PT Connection at PMU Panel	17-10-2016 12:34	1:14:00	0	
44	765 kV Jharsuguda-Dharmjaygarh-I	Line	ER/WR	SC	17-10-2016 13:09	CT/PT Connection at PMU Panel	17-10-2016 14:59	1:50:00	0	
45	765 kV Gwalior-Phagi-II	Line	WR/NR	SO	23-10-2016 09:21	For spare reactor integration works and to attend the isolator alignment issue at Gwalior.	23-10-2016 19:34	10:13:00	0	
46	765 kV Gwalior-Agra-II	Line	WR/NR	SC	02-10-2016 08:42	Outage required for diamond formation through Agra-gwalior #2 with 765kV Agra-Meerut line	02-10-2016 19:04	10:22:00	0	
47	765 kV Gwalior-Agra-I	Line	WR/NR	SO	26-10-2016 10:12	For attending IPS tube to LA connectors & droppers	26-10-2016 17:24	7:12:00	0	
48	765 kV Solapur-Raichur-II	Line	WR/SR	SO	18-10-2016 09:56	AMP Works	18-10-2016 18:55	8:59:00	0	
765 kV Internal										
49	765kV Varanasi-Fatehpur-I	Line	NR	SC	05-10-2016 09:31	For Jumper connection of 80MVAR Spare Reactor unit at Varanasi PG	05-10-2016 20:07	10:36:00	0	
50	765kV Phagi-Bhiwani-II	Line	NR	SO	03-10-2016 09:30	Hot Spot	03-10-2016 19:50	10:20:00	0	
51	765kV Phagi-Bhiwani-II	Line	NR	SO	04-10-2016 08:11	Hot Spot	04-10-2016 19:17	11:06:00	0	
52	765kV Phagi-Bhiwani-II	Line	NR	SO	05-10-2016 08:15	Hot Spot	05-10-2016 20:20	12:05:00	0	
53	765kV Phagi-Bhiwani-II	Line	NR	SO	06-10-2016 10:30	Hot Spot	06-10-2016 20:14	9:44:00	0	
54	765kV Meerut-Bhiwani(PG)	Line	NR	MO	16-10-2016 22:06	Opened manually due to High Voltage	17-10-2016 09:09	11:03:00	0	
55	765kV Meerut-Bhiwani(PG)	Line	NR	MO	19-10-2016 04:15	Opened manually due to High Voltage	19-10-2016 12:18	8:03:00	0	
56	765kV Meerut-Bhiwani(PG)	Line	NR	MO	23-10-2016 21:05	Opened manually due to High Voltage	24-10-2016 09:38	12:33:00	0	
57	765kV Meerut-Bhiwani(PG)	Line	NR	MO	24-10-2016 21:47	Opened manually due to High Voltage	25-10-2016 08:45	10:58:00	0	
58	765kV Meerut-Bhiwani(PG)	Line	NR	MO	31-10-2016 01:24	Opened manually due to High Voltage	01-11-2016 00:00	22:36:00	0	
59	765kV Fatehpur-Agra-II	Line	NR	MO	17-10-2016 21:31	Opened manually due to High Voltage	18-10-2016 09:38	12:07:00	0	
60	765kV Fatehpur-Agra-II	Line	NR	MO	24-10-2016 21:50	Opened manually due to High Voltage	25-10-2016 09:40	11:50:00	0	
61	765kV Fatehpur-Agra-I	Line	NR	MO	02-10-2016 17:31	Opened manually due to High Voltage	03-10-2016 14:55	21:24:00	0	
62	765kV Fatehpur-Agra-I	Line	NR	MO	05-10-2016 03:18	Opened manually due to High Voltage	05-10-2016 10:36	7:18:00	0	
63	765kV Fatehpur-Agra-I	Line	NR	MO	05-10-2016 23:21	Opened manually due to High Voltage	06-10-2016 12:51	13:30:00	0	
64	765kV Fatehpur-Agra-I	Line	NR	MO	07-10-2016 01:09	Opened manually due to High Voltage	07-10-2016 10:08	8:59:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
65	765kV Fatehpur-Agra-I	Line	NR	MO	09-10-2016 16:40	Opened manually due to High Voltage	10-10-2016 10:19	17:39:00	0	
66	765kV Fatehpur-Agra-I	Line	NR	MO	11-10-2016 09:11	Opened manually due to High Voltage	12-10-2016 09:37	24:26:00	0	
67	765kV Fatehpur-Agra-I	Line	NR	MO	12-10-2016 17:40	Opened manually due to High Voltage	13-10-2016 09:58	16:18:00	0	
68	765kV Fatehpur-Agra-I	Line	NR	MO	13-10-2016 22:52	Opened manually due to High Voltage	14-10-2016 09:24	10:32:00	0	
69	765kV Fatehpur-Agra-I	Line	NR	MO	14-10-2016 21:55	Opened manually due to High Voltage	17-10-2016 09:25	59:30:00	0	
70	765kV Fatehpur-Agra-I	Line	NR	MO	22-10-2016 01:33	Opened manually due to High Voltage	23-10-2016 11:52	34:19:00	0	
71	765kV Fatehpur-Agra-I	Line	NR	MO	23-10-2016 21:07	Opened manually due to High Voltage	24-10-2016 10:04	12:57:00	0	
72	765kV Fatehpur-Agra-I	Line	NR	MO	25-10-2016 23:07	Opened manually due to High Voltage	26-10-2016 09:41	10:34:00	0	
73	765kV Fatehpur-Agra-I	Line	NR	MO	28-10-2016 02:11	Opened manually due to High Voltage	28-10-2016 10:11	8:00:00	0	
74	765kV Fatehpur-Agra-I	Line	NR	MO	29-10-2016 16:05	Opened manually due to High Voltage	01-11-2016 00:00	55:55:00	0	
75	765kV Fatehabad-Lalitpur-I	Line	NR	TP	11-10-2016 20:35	Tripped due to maloperation	12-10-2016 03:30	6:55:00	1	
76	765kV Fatehabad-Lalitpur-I	Line	NR	SO	13-10-2016 18:17	For attending CT polarity issue at Lalitpur end	13-10-2016 22:10	3:53:00	1	
77	765kV Fatehabad-Lalitpur-I	Line	NR	TV	19-10-2016 15:39	Tripped on Over Voltage	19-10-2016 22:18	6:39:00	2	
78	765kV Fatehabad-Lalitpur-I	Line	NR	TP	20-10-2016 13:11	Reason awaited	20-10-2016 19:23	6:12:00	3	
79	765kV Balia-Varanasi	Line	NR	SC	05-10-2016 10:33	For Jumper connection of 80MVAR Spare Reactor unit at Varanasi PG	05-10-2016 20:07	9:34:00	0	
80	765kV Agra-G'Noida	Line	NR	SC	02-10-2016 09:25	For Diamond formation of OPGW in the line by WRTS	02-10-2016 19:18	9:53:00	0	
81	765 kV Moga-Meerut	Line	NR	SE	03-10-2016 13:19	For removal of hanging wire in gantry at Moga.	03-10-2016 13:34	0:15:00	0	
82	765 kV Moga-Meerut	Line	NR	MO	05-10-2016 03:02	Opened manually due to High Voltage	05-10-2016 14:14	11:12:00	0	
83	765 kV Moga-Meerut	Line	NR	MO	06-10-2016 01:11	Opened manually due to High Voltage	06-10-2016 12:41	11:30:00	0	
84	765 kV Moga-Meerut	Line	NR	MO	07-10-2016 00:28	Opened manually due to High Voltage	07-10-2016 10:56	10:28:00	0	
85	765 kV Moga-Meerut	Line	NR	MO	30-10-2016 00:18	Opened manually due to High Voltage	01-11-2016 00:00	47:42:00	0	
86	765kV Angul-Jharsuguda-II	Line	ER	TL	02-10-2016 13:00	Distance Protection Operated	02-10-2016 13:27	0:27:00	1	
87	765kV Wardha-Aurangabad-IV	Line	WR	MO	01-10-2016 00:00	Opened manually due to High Voltage	02-10-2016 09:57	33:57:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
88	765kV Wardha-Aurangabad-IV	Line	WR	MO	06-10-2016 13:20	Opened manually due to High Voltage	08-10-2016 06:22	41:02:00	0	
89	765kV Wardha-Aurangabad-IV	Line	WR	MO	26-10-2016 00:25	Opened manually due to High Voltage	26-10-2016 07:40	7:15:00	0	
90	765kV Wardha-Aurangabad-III	Line	WR	MO	09-10-2016 00:51	Opened manually due to High Voltage	10-10-2016 07:53	31:02:00	0	
91	765kV Wardha-Aurangabad-III	Line	WR	SE	10-10-2016 11:23	Line isolator problem at Wardha end	10-10-2016 13:05	1:42:00	0	
92	765kV Wardha-Aurangabad-III	Line	WR	MO	10-10-2016 13:05	Opened manually due to High Voltage	11-10-2016 06:17	17:12:00	0	
93	765kV Wardha-Aurangabad-III	Line	WR	MO	11-10-2016 12:24	Opened manually due to High Voltage	16-10-2016 07:41	115:17:00	0	
94	765kV Wardha-Aurangabad-III	Line	WR	MO	21-10-2016 22:38	Opened manually due to High Voltage	22-10-2016 07:32	8:54:00	0	
95	765kV Wardha-Aurangabad-III	Line	WR	MO	24-10-2016 23:09	Opened manually due to High Voltage	25-10-2016 06:08	6:59:00	0	
96	765kV Wardha-Aurangabad-III	Line	WR	MO	27-10-2016 23:45	Opened manually due to High Voltage	28-10-2016 09:59	10:14:00	0	
97	765kV Wardha-Aurangabad-III	Line	WR	MO	30-10-2016 23:26	Opened manually due to High Voltage	01-11-2016 00:00	24:34:00	0	
98	765kV Wardha-Aurangabad-II	Line	WR	MO	01-10-2016 00:00	Opened manually due to High Voltage	01-10-2016 05:22	5:22:00	0	
99	765kV Wardha-Aurangabad-II	Line	WR	MO	01-10-2016 18:14	Opened manually due to High Voltage	06-10-2016 07:31	109:17:00	0	
100	765kV Wardha-Aurangabad-II	Line	WR	MO	10-10-2016 01:25	Opened manually due to High Voltage	10-10-2016 11:31	10:06:00	0	
101	765kV Wardha-Aurangabad-II	Line	WR	MO	10-10-2016 22:14	Opened manually due to High Voltage	12-10-2016 08:12	33:58:00	0	
102	765kV Wardha-Aurangabad-II	Line	WR	MO	23-10-2016 23:09	Opened manually due to High Voltage	24-10-2016 05:57	6:48:00	0	
103	765kV Wardha-Aurangabad-II	Line	WR	MO	29-10-2016 00:11	Opened manually due to High Voltage	29-10-2016 07:56	7:45:00	0	
104	765kV Wardha-Aurangabad-II	Line	WR	MO	31-10-2016 23:29	Opened manually due to High Voltage	01-11-2016 00:00	0:31:00	0	
105	765kV Wardha-Aurangabad-I	Line	WR	TV	02-10-2016 22:57	Tripped on Over Voltage	03-10-2016 08:06	9:09:00	1	
106	765kV Wardha-Aurangabad-I	Line	WR	TV	03-10-2016 13:30	Tripped on Over Voltage	03-10-2016 18:50	5:20:00	2	
107	765kV Wardha-Aurangabad-I	Line	WR	MO	03-10-2016 23:02	Opened manually due to High Voltage	07-10-2016 06:12	79:10:00	2	
108	765kV Wardha-Aurangabad-I	Line	WR	MO	07-10-2016 23:32	Opened manually due to High Voltage	09-10-2016 06:44	31:12:00	2	
109	765kV Wardha-Aurangabad-I	Line	WR	MO	16-10-2016 15:19	Opened manually due to High Voltage	17-10-2016 10:11	18:52:00	2	
110	765kV Wardha-Aurangabad-I	Line	WR	MO	17-10-2016 20:36	Opened manually due to High Voltage	18-10-2016 08:40	12:04:00	2	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
111	765kV Wardha-Aurangabad-I	Line	WR	MO	22-10-2016 23:08	Opened manually due to High Voltage	23-10-2016 05:26	6:18:00	2	
112	765kV Wardha-Aurangabad-I	Line	WR	MO	27-10-2016 00:10	Opened manually due to High Voltage	27-10-2016 07:51	7:41:00	2	
113	765kV Wardha-Aurangabad-I	Line	WR	MO	29-10-2016 21:36	Opened manually due to High Voltage	31-10-2016 05:59	32:23:00	2	
114	765kV Satna-Gwalior-II	Line	WR	SE	25-10-2016 09:46	Heavy oil leakage in tank top of the 765 KV Gwalior-Satna-2 R phase reactor at Gwalior end	25-10-2016 11:11	1:25:00	0	
115	765kV Satna-Gwalior-I	Line	WR	TL	05-10-2016 22:43	Distance Protection Operated	06-10-2016 21:05	22:22:00	1	
116	765kV Sasan-Satna-I	Line	WR	SC	17-10-2016 10:13	Outage required for diamond formation through 400kV Sasan Vindhychal pooling ckt-1 and	17-10-2016 19:44	9:31:00	0	
117	765kV Sasan - Vindhychal PS	Line	WR	SC	15-10-2016 09:57	For diamond formation through 400kV Sasan Vindhychal pooling ckt-1	15-10-2016 19:11	9:14:00	0	
118	765kV Sasan - Vindhychal PS	Line	WR	SC	16-10-2016 12:03	For diamond formation through 400kV Sasan Vindhychal pooling ckt-1	16-10-2016 19:15	7:12:00	0	
119	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-II	Line	WR	MO	15-10-2016 07:39	Opened manually due to High Voltage	01-11-2016 00:00	400:21:00	0	
120	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-I	Line	WR	SO	01-10-2016 00:00	LA problem at Durg end	12-10-2016 13:34	277:34:00	0	
121	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-I	Line	WR	MO	14-10-2016 10:41	Opened manually due to High Voltage	15-10-2016 06:28	19:47:00	0	
122	765kV Pune-Sholapur	Line	WR	MO	01-10-2016 00:00	Opened manually due to High Voltage	03-10-2016 09:28	57:28:00	0	
123	765kV Pune-Sholapur	Line	WR	MO	03-10-2016 20:27	Opened manually due to High Voltage	07-10-2016 11:06	86:39:00	0	
124	765kV Pune-Sholapur	Line	WR	MO	07-10-2016 13:14	Opened manually due to High Voltage	08-10-2016 09:43	20:29:00	0	
125	765kV Pune-Sholapur	Line	WR	MO	08-10-2016 15:30	Opened manually due to High Voltage	12-10-2016 09:07	89:37:00	0	
126	765kV Pune-Sholapur	Line	WR	MO	12-10-2016 23:21	Opened manually due to High Voltage	13-10-2016 09:59	10:38:00	0	
127	765kV Pune-Sholapur	Line	WR	MO	15-10-2016 02:35	Opened manually due to High Voltage	15-10-2016 07:03	4:28:00	0	
128	765kV Pune-Sholapur	Line	WR	MO	16-10-2016 00:18	Opened manually due to High Voltage	16-10-2016 06:19	6:01:00	0	
129	765kV Pune-Sholapur	Line	WR	MO	16-10-2016 23:58	Opened manually due to High Voltage	17-10-2016 06:56	6:58:00	0	
130	765kV Pune-Sholapur	Line	WR	MO	18-10-2016 00:03	Opened manually due to High Voltage	18-10-2016 06:47	6:44:00	0	
131	765kV Pune-Sholapur	Line	WR	MO	18-10-2016 22:53	Opened manually due to High Voltage	19-10-2016 06:58	8:05:00	0	
132	765kV Pune-Sholapur	Line	WR	MO	19-10-2016 23:51	Opened manually due to High Voltage	20-10-2016 07:09	7:18:00	0	
133	765kV Pune-Sholapur	Line	WR	MO	28-10-2016 23:51	Opened manually due to High Voltage	29-10-2016 07:42	7:51:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
134	765kV Pune-Sholapur	Line	WR	MO	29-10-2016 23:32	Opened manually due to High Voltage	30-10-2016 07:28	7:56:00	0	
135	765kV Pune-Sholapur	Line	WR	MO	30-10-2016 21:05	Opened manually due to High Voltage	31-10-2016 07:03	9:58:00	0	
136	765kV Pune-Sholapur	Line	WR	MO	31-10-2016 21:25	Opened manually due to High Voltage	01-11-2016 00:00	2:35:00	0	
137	765kV Jabalpur-Dharamjaigarh-IV	Line	WR	SC	14-10-2016 14:24	CT/PT Connection at PMU Panel	14-10-2016 15:49	1:25:00	0	
138	765kV Jabalpur-Dharamjaigarh-III	Line	WR	MO	01-10-2016 00:00	Opened manually due to High Voltage	03-10-2016 18:31	66:31:00	0	
139	765kV Jabalpur-Dharamjaigarh-III	Line	WR	SC	14-10-2016 11:28	CT/PT Connection at PMU Panel	14-10-2016 13:05	1:37:00	0	
140	765kV Jabalpur-Dharamjaigarh-II	Line	WR	MO	12-10-2016 15:03	Opened manually due to High Voltage	26-10-2016 11:40	332:37:00	0	
141	765kV Jabalpur-Dharamjaigarh-II	Line	WR	SC	12-10-2016 13:12	CT/PT Connection at PMU Panel	12-10-2016 15:03	1:51:00	0	
142	765kV Jabalpur-Dharamjaigarh-I	Line	WR	MO	03-10-2016 16:09	Opened manually due to High Voltage	12-10-2016 10:35	210:26:00	0	
143	765kV Jabalpur-Dharamjaigarh-I	Line	WR	SC	12-10-2016 10:35	CT/PT Connection at PMU Panel	12-10-2016 19:25	8:50:00	0	
144	765kV Jabalpur-Dharamjaigarh-I	Line	WR	SO	26-10-2016 10:07	RTV Coating on 765kV Bushing	26-10-2016 20:20	10:13:00	0	
145	765kV Jabalpur-Dharamjaigarh-I	Line	WR	MO	26-10-2016 20:24	Opened manually due to High Voltage	01-11-2016 00:00	123:36:00	0	
146	765kV Jabalpur-Bhopal	Line	WR	SO	19-10-2016 09:22	AMP Works	19-10-2016 19:16	9:54:00	0	
147	765kV Indore-Vadodara	Line	WR	SE	18-10-2016 11:29	Hot Spot	18-10-2016 15:12	3:43:00	0	
148	765kV Durg-Wardha-II	Line	WR	SC	13-10-2016 10:09	CT/PT Connection at PMU Panel	13-10-2016 11:26	1:17:00	0	
149	765kV Durg-Wardha-II	Line	WR	TP	17-10-2016 15:12	LR Back up Impedance 21R relay optd	17-10-2016 15:49	0:37:00	1	
150	765kV Durg-Wardha-I	Line	WR	SC	08-10-2016 07:43	To interface CT/PT inputs with PMU at PGCIL, Raipur SS	08-10-2016 17:10	9:27:00	0	
151	765kV Durg-Wardha-I	Line	WR	TP	21-10-2016 15:52	DT received at Wardha	21-10-2016 16:36	0:44:00	1	
152	765kV Durg-Wardha-I	Line	WR	TP	29-10-2016 07:22	DT received	29-10-2016 21:19	13:57:00	2	
153	765kV Dhule-Vadodara	Line	WR	MO	01-10-2016 03:42	Opened manually due to High Voltage	01-10-2016 06:45	3:03:00	0	
154	765kV Dhule-Vadodara	Line	WR	MO	02-10-2016 01:57	Opened manually due to High Voltage	02-10-2016 08:14	6:17:00	0	
155	765kV Dhule-Vadodara	Line	WR	MO	03-10-2016 21:55	Opened manually due to High Voltage	04-10-2016 09:28	11:33:00	0	
156	765kV Dhule-Vadodara	Line	WR	MO	04-10-2016 23:59	Opened manually due to High Voltage	05-10-2016 07:02	7:03:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
157	765kV Dhule-Vadodara	Line	WR	SE	05-10-2016 16:00	Oil leakage of L/R at Vadodara	05-10-2016 19:01	3:01:00	0	
158	765kV Dhule-Vadodara	Line	WR	MO	05-10-2016 23:40	Opened manually due to High Voltage	06-10-2016 06:33	6:53:00	0	
159	765kV Dhule-Vadodara	Line	WR	MO	08-10-2016 22:14	Opened manually due to High Voltage	10-10-2016 06:44	32:30:00	0	
160	765kV Dhule-Vadodara	Line	WR	MO	11-10-2016 01:01	Opened manually due to High Voltage	12-10-2016 08:54	31:53:00	0	
161	765kV Dhule-Vadodara	Line	WR	MO	12-10-2016 23:57	Opened manually due to High Voltage	13-10-2016 08:06	8:09:00	0	
162	765kV Dhule-Vadodara	Line	WR	MO	14-10-2016 00:32	Opened manually due to High Voltage	14-10-2016 06:55	6:23:00	0	
163	765kV Dhule-Vadodara	Line	WR	MO	30-10-2016 21:32	Opened manually due to High Voltage	31-10-2016 07:22	9:50:00	0	
164	765kV Dhule-Vadodara	Line	WR	MO	31-10-2016 22:06	Opened manually due to High Voltage	01-11-2016 00:00	1:54:00	0	
165	765kV Dharamjaigarh-Raipur-PS(DURG)	Line	WR	TP	03-10-2016 13:11	D/T RECEIVED AT D'GARH	03-10-2016 15:44	2:33:00	1	
166	765kV Dharamjaigarh-Raipur-PS(DURG)	Line	WR	SC	13-10-2016 15:01	CT/PT Connection at PMU Panel	13-10-2016 16:30	1:29:00	1	
167	765kV Bina-Gwalior-III	Line	WR	SE	05-10-2016 10:55	Hot Spot	05-10-2016 14:06	3:11:00	0	
168	765kV Bina-Gwalior-III	Line	WR	SO	22-10-2016 10:24	To attend theft tower members above above waist level to avoid tower failure.	22-10-2016 18:40	8:16:00	0	
169	765kV Bina-Gwalior-I	Line	WR	MO	16-10-2016 15:22	Opened manually due to High Voltage	17-10-2016 10:34	19:12:00	0	
170	765kV Bilaspur-Dharamjaigarh	Line	WR	SC	13-10-2016 11:50	CT/PT Connection at PMU Panel	13-10-2016 14:16	2:26:00	0	
171	765kV Aurangabad-Dhule(BDTCL)	Line	WR	TP	01-10-2016 17:07	DT RECD AT DHULE END	01-10-2016 18:20	1:13:00	1	
172	765kV Aurangabad-Dhule(BDTCL)	Line	WR	SO	22-10-2016 08:01	To Rectify the heavy sparking issues observed in the line	22-10-2016 14:13	6:12:00	1	
173	765kV Raichur-Kurnool-II	Line	SR	MO	01-10-2016 00:16	Opened manually due to High Voltage	01-10-2016 04:58	4:42:00	0	
174	765kV Raichur-Kurnool-II	Line	SR	MO	02-10-2016 00:21	Opened manually due to High Voltage	02-10-2016 06:59	6:38:00	0	
175	765kV Raichur-Kurnool-II	Line	SR	MO	02-10-2016 23:03	Opened manually due to High Voltage	03-10-2016 06:20	7:17:00	0	
176	765kV Raichur-Kurnool-II	Line	SR	MO	04-10-2016 00:10	Opened manually due to High Voltage	04-10-2016 07:04	6:54:00	0	
177	765kV Raichur-Kurnool-II	Line	SR	MO	05-10-2016 00:18	Opened manually due to High Voltage	05-10-2016 07:02	6:44:00	0	
178	765kV Raichur-Kurnool-II	Line	SR	MO	07-10-2016 00:01	Opened manually due to High Voltage	07-10-2016 09:15	9:14:00	0	
179	765kV Raichur-Kurnool-II	Line	SR	MO	08-10-2016 02:03	Opened manually due to High Voltage	08-10-2016 06:53	4:50:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
180	765kV Raichur-Kurnool-II	Line	SR	MO	09-10-2016 15:31	Opened manually due to High Voltage	10-10-2016 07:04	15:33:00	0	
181	765kV Raichur-Kurnool-II	Line	SR	MO	10-10-2016 17:20	Opened manually due to High Voltage	11-10-2016 05:52	12:32:00	0	
182	765kV Raichur-Kurnool-II	Line	SR	MO	11-10-2016 20:50	Opened manually due to High Voltage	12-10-2016 07:37	10:47:00	0	
183	765kV Raichur-Kurnool-II	Line	SR	MO	13-10-2016 18:09	Opened manually due to High Voltage	14-10-2016 10:15	16:06:00	0	
184	765kV Kurnool-Thiruvalem-II	Line	SR	MO	01-10-2016 00:00	Tripped on Over Voltage	02-10-2016 07:57	31:57:00	0	
185	765kV Kurnool-Thiruvalem-II	Line	SR	MO	02-10-2016 07:57	Opened manually due to High Voltage	07-10-2016 11:12	123:15:00	0	
186	765kV Kurnool-Thiruvalem-I	Line	SR	MO	07-10-2016 17:42	Opened manually due to High Voltage	13-10-2016 10:38	136:56:00	0	
187	765kV Kurnool-Thiruvalem-I	Line	SR	MO	13-10-2016 18:19	Opened manually due to High Voltage	01-11-2016 00:00	437:41:00	0	
188	765kV Kurnool-Nellore(PS)-II	Line	SR	MO	01-10-2016 00:00	Opened manually due to High Voltage	01-11-2016 00:00	744:00:00	0	
400kV - IR										
189	400 kV Varanasi-Biharshariff-I	Line	ER/NR	TP	17-10-2016 10:08	DT received at varanasi	17-10-2016 10:30	0:22:00	1	
190	400 kV Tala - Binaguri - IV	Line	Bhutan	TL	01-10-2016 16:33	Distance Protection Operated	01-10-2016 16:57	0:24:00	1	
191	400 kV Tala - Binaguri - IV	Line	Bhutan	TL	08-10-2016 01:55	Distance Protection Operated	08-10-2016 02:13	0:18:00	2	
192	400 kV Sterlite-Raigarh	Line	ER/WR	SO	05-10-2016 09:22	Replacement of insulators	05-10-2016 20:30	11:08:00	0	
193	400 kV Siliguri-Bongaigaon-IV	Line	ER/NER	TL	04-10-2016 17:37	Distance Protection Operated	06-10-2016 18:08	48:31:00	1	
194	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	TL	04-10-2016 11:25	Conductor Snapping	05-10-2016 15:25	28:00:00	1	
195	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	TL	27-10-2016 11:55	Distance Protection Operated	27-10-2016 12:07	0:12:00	2	
196	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	TV	31-10-2016 22:54	Tripped on Over Voltage	01-11-2016 00:00	1:06:00	3	
197	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	TL	03-10-2016 11:46	Distance Protection Operated	03-10-2016 12:19	0:33:00	1	
198	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	23-10-2016 07:02	For stringing work	23-10-2016 17:41	10:39:00	1	
199	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	24-10-2016 07:46	For stringing work	24-10-2016 16:27	8:41:00	1	
200	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	25-10-2016 07:01	For stringing work	25-10-2016 16:02	9:01:00	1	
201	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	26-10-2016 07:05	For stringing work	26-10-2016 17:40	10:35:00	1	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
202	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	27-10-2016 07:29	For stringing work	27-10-2016 18:27	10:58:00	1	
203	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	28-10-2016 07:41	For stringing work	28-10-2016 18:59	11:18:00	1	
204	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	SC	29-10-2016 10:18	For stringing work	29-10-2016 16:30	6:12:00	1	
205	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	23-10-2016 06:54	For stringing work	23-10-2016 17:33	10:39:00	0	
206	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	24-10-2016 07:46	For stringing work	24-10-2016 16:14	8:28:00	0	
207	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	25-10-2016 06:59	For stringing work	25-10-2016 16:00	9:01:00	0	
208	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	26-10-2016 07:05	For stringing work	26-10-2016 17:39	10:34:00	0	
209	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	27-10-2016 07:28	For stringing work	27-10-2016 18:24	10:56:00	0	
210	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	28-10-2016 07:40	For stringing work	28-10-2016 18:36	10:56:00	0	
211	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	SC	29-10-2016 10:16	For stringing work	29-10-2016 16:20	6:04:00	0	
212	400 kV Shujalpur-RAPP-II	Line	WR/NR	SC	01-10-2016 00:00	For dismantling old reactor(BHEL) and erection with new reactor(CGL) under RAPP#7&8	01-11-2016 00:00	744:00:00	0	
213	400 kV Shujalpur-RAPP-I	Line	WR/NR	SC	01-10-2016 00:00	for dismantling old reactor(BHEL) and erection with new reactor(CGL)	01-11-2016 00:00	744:00:00	0	
214	400 kV Ranchi-Sipat-II	Line	ER/WR	TP	03-10-2016 13:04	DT received at both at Ranchi.and Sipat ends	03-10-2016 15:13	2:09:00	1	
215	400 kV Ranchi-Sipat-II	Line	ER/WR	TP	07-10-2016 13:09	DT received	07-10-2016 14:15	1:06:00	2	
216	400 kV Malbase - Binaguri - I	Line	Bhutan	TL	01-10-2016 16:33	Distance Protection Operated	01-10-2016 17:14	0:41:00	1	
217	400 kV Kolhapur-Kudgi-II	Line	WR/SR	SE	01-10-2016 16:46	CVT problem at Kolhapur	01-10-2016 22:44	5:58:00	0	
218	400 kV Jharsuguda-Raigarh-I	Line	ER/WR	SO	04-10-2016 11:02	Replacement of insulators	04-10-2016 19:42	8:40:00	0	
219	400 kV Jeypore-Gazuwaka-II	Line	ER/SR	SO	13-10-2016 18:16	CVT REPLACEMENT WORK	13-10-2016 22:10	3:54:00	0	
220	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	24-10-2016 04:07	FOR OUTAGE OF LR	24-10-2016 05:26	1:19:00	0	
221	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	TP	27-10-2016 04:41	L/R BUCHOLZ RELAY MAL OPERATED	27-10-2016 08:07	3:26:00	1	
222	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	28-10-2016 22:44	TO TAKE LINE REACTOR INTO SERVICE	28-10-2016 23:21	0:37:00	1	
223	400 kV Barh-Gorakhpur-I	Line	ER/NR	TP	06-10-2016 18:10	Protection Maloperation	06-10-2016 20:08	1:58:00	1	

220 kV - IR

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
224	220 kV Talangde-Chikkodi	Line	WR/SR	MO	01-10-2016 00:00	Due to no schedule	05-10-2016 17:23	113:23:00	0	
225	220 kV Mudasangi (Kolhapur)-Chikkodi	Line	WR/SR	MO	01-10-2016 00:00	Due to no schedule	01-10-2016 00:00	0:00:00	0	
226	220 kV Mehgaon-Auraiya	Line	WR/NR	TL	05-10-2016 16:33	Distance Protection Operated	05-10-2016 17:53	1:20:00	1	
227	220 kV Malanpur-Auraiya	Line	WR/NR	SO	06-10-2016 10:30	AMP Works	06-10-2016 18:59	8:29:00	0	
228	220 kV Malanpur-Auraiya	Line	WR/NR	TL	18-10-2016 20:57	Distance Protection Operated	18-10-2016 21:37	0:40:00	1	
229	220 kV Chukha - Birpara - II	Line	Bhutan	TL	03-10-2016 14:28	Distance Protection Operated	03-10-2016 15:10	0:42:00	1	
230	220 kV Chukha - Birpara - II	Line	Bhutan	TL	08-10-2016 16:21	Distance Protection Operated	09-10-2016 15:58	23:37:00	2	
231	220 kV Chukha - Birpara - I	Line	Bhutan	TL	03-10-2016 14:28	Distance Protection Operated	03-10-2016 15:02	0:34:00	1	
232	220 kV Budhipadar-Korba-II	Line	ER/WR	SE	01-10-2016 00:35	Hot Spot	01-10-2016 16:17	15:42:00	0	
233	220 kV Birpara-Salakati-I	Line	ER/NER	TL	09-10-2016 07:36	Distance Protection Operated	09-10-2016 14:25	6:49:00	1	
234	220 kV Badod-Modak	Line	WR/NR	TL	12-10-2016 15:31	Distance Protection Operated	12-10-2016 16:18	0:47:00	1	
235	220 kV Badod-Modak	Line	WR/NR	SE	21-10-2016 14:30	Emergency shutdown	21-10-2016 18:03	3:33:00	1	
765 kV Reactors & ICTs										
236	B/R-II at Satna	Bus Reactor	WR	SO	18-10-2016 10:19	Taking Spare Reactor in to service, RTV Coating on Trench Make Bushing	18-10-2016 17:59	7:40:00	0	
237	B/R-II at Satna	Bus Reactor	WR	SO	19-10-2016 10:44	Taking spare reactor in service. RTV coating on 765kv Trench bushing	19-10-2016 20:49	10:05:00	0	
238	B/R-II at Jabalpur	Bus Reactor	WR	SO	12-10-2016 11:18	RTV coating	12-10-2016 19:00	7:42:00	0	
239	B/R-I at Vadodara	Bus Reactor	WR	SO	17-10-2016 11:03	Changeover of Spare Reactor	17-10-2016 13:52	2:49:00	0	
240	B/R-I at Sholapur	Bus Reactor	WR	SE	20-10-2016 11:10	Emergency shutdown	20-10-2016 13:35	2:25:00	0	
241	B/R-I at Raigarh	Bus Reactor	WR	SO	20-10-2016 12:47	for taking Y phase unit into service and spare unit out from service.	20-10-2016 15:00	2:13:00	0	
242	B/R-I at Koradi-III	Bus Reactor	WR	SO	07-10-2016 09:04	AMP Works	07-10-2016 22:20	13:16:00	0	
243	B/R-I at Jabalpur	Bus Reactor	WR	SO	15-10-2016 10:43	RTV Coating on 765kV Bushing	15-10-2016 13:54	3:11:00	0	
244	B/R-I at G'Noida	Bus Reactor	NR	SE	01-10-2016 00:00	To attend hot spot	01-11-2016 00:00	744:00:00	0	
245	765/400 kV ICT-III at Seoni	ICT	WR	SE	25-10-2016 13:45	Hot Spot	25-10-2016 21:05	7:20:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
246	765/400 kV ICT-II at Tamnar-PS	ICT	WR	SO	03-10-2016 10:04	AMP Works	03-10-2016 18:28	8:24:00	0	
247	765/400 kV ICT-II at Phagi	ICT	NR	SO	12-10-2016 13:54	To attend to the fault of DC wiring of Auxiliary Protection	13-10-2016 18:55	29:01:00	0	
248	765/400 kV ICT-II at Kanpur	ICT	NR	SE	03-10-2016 18:47	B-ph unit acetelene gas observed high	03-10-2016 22:37	3:50:00	0	
249	765/400 kV ICT-II at Dhule	ICT	WR	SE	24-10-2016 17:41	RADIATOR LEAKAGE	24-10-2016 20:09	2:28:00	0	
250	765/400 kV ICT-II at Bhopal	ICT	WR	TP	19-10-2016 14:34	Group-A & B operated at HV side and tripped on both sides.	19-10-2016 23:33	8:59:00	1	
251	765/400 kV ICT-II at Bhopal	ICT	WR	SE	24-10-2016 12:16	Inspection of burned CT circuitry of B-phase Bushing CT	24-10-2016 13:56	1:40:00	1	
252	765/400 kV ICT-II at Aurangabad(PG)	ICT	WR	SO	03-10-2016 10:39	CSD commissioning	03-10-2016 18:18	7:39:00	0	
253	765/400 kV ICT-I at Thiruvalem	ICT	SR	SO	20-10-2016 11:01	CSD TUNING WORKS	20-10-2016 14:08	3:07:00	0	
254	765/400 kV ICT-I at Tamnar-PS	ICT	WR	SO	01-10-2016 09:55	AMP Works	01-10-2016 19:19	9:24:00	0	
255	765/400 kV ICT-I at Kurnool New	ICT	SR	SO	19-10-2016 10:11	AMP Works	19-10-2016 19:55	9:44:00	0	
256	765/400 kV ICT-I at Indore	ICT	WR	SE	04-10-2016 12:45	Hot Spot	04-10-2016 18:03	5:18:00	0	
257	765/400 kV ICT-I at Fatehabad	ICT	NR	ME	11-10-2016 20:35	Disturbance in Lalitpur evacuation	12-10-2016 03:10	6:35:00	0	
258	765/400 kV ICT-I at Fatehabad	ICT	NR	ME	19-10-2016 15:39	Disturbance in Lalitpur evacuation	19-10-2016 21:02	5:23:00	0	
259	765/400 kV ICT-I at Fatehabad	ICT	NR	ME	20-10-2016 13:11	Disturbance in Lalitpur evacuation	20-10-2016 19:23	6:12:00	0	
260	765/400 kV ICT-I at Champa	ICT	WR	SO	18-10-2016 10:33	AMP Works	19-10-2016 21:47	35:14:00	0	
261	765/400 kV ICT-I at Aurangabad(PG)	ICT	WR	TP	12-10-2016 16:02	TRIPPED AS OUTPUT CONTACT OF DIFFERENTIAL RELAY IN CLOSED CONDITION	12-10-2016 18:43	2:41:00	1	
262	765/400 kV ICT-I at Antah	ICT	NR	SO	01-10-2016 00:00	Manually opened due to fire in control panel	24-10-2016 19:43	571:43:00	0	
263	765/220 kV ICT-II at Lalitpur	ICT	NR	ME	11-10-2016 20:35	Disturbance in Lalitpur evacuation	11-10-2016 22:40	2:05:00	0	
264	765/220 kV ICT-II at Lalitpur	ICT	NR	ME	19-10-2016 15:39	Disturbance in Lalitpur evacuation	19-10-2016 20:41	5:02:00	0	
265	765/220 kV ICT-II at Lalitpur	ICT	NR	ME	20-10-2016 13:11	Disturbance in Lalitpur evacuation	20-10-2016 19:23	6:12:00	0	
266	765/220 kV ICT-I at Lalitpur	ICT	NR	ME	11-10-2016 20:35	Disturbance in Lalitpur evacuation	11-10-2016 22:39	2:04:00	0	
267	765/220 kV ICT-I at Lalitpur	ICT	NR	ME	19-10-2016 15:39	Disturbance in Lalitpur evacuation	19-10-2016 20:01	4:22:00	0	
268	765/220 kV ICT-I at Lalitpur	ICT	NR	ME	20-10-2016 13:11	Disturbance in Lalitpur evacuation	20-10-2016 19:23	6:12:00	0	

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month	Remarks
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TL	TL= Tripping due to Line Fault					Total Number of 765 kV lines			100	
TS	TS= Tripping due to S/S Fault					Total Number of 400 kV lines			35	
MO	MO= Opened due to system constraints					Total Number of 220 kV lines			15	
TV	TV= Tripped on Overvoltage					Total Number of HVDC links			19	
SC	SC= Planned Shutdown for construction activities					Total Number of 765 kV ICTs			118	
SO	SO= Planned Shutdown for O&M activities					Total Number of 765 kV B/R			61	
SE	SE= Emergency Shutdown					Grand Total			348	
TP	TP= Protection Maloperation									
ME	ME= Miscellaneous outage									

**POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

System Reliability Indices Report for the month of October 2016

Date: 22-Nov-2016

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	293	73.25	9.85
2	ER-NR	13	3.25	0.44
3	Import of NR	234	58.50	7.86
4	NEW-SR	296	74.00	9.95
5	ER-NER	106	26.50	3.56

Percentage(%) of times (N-1) Criteria was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	18	4.50	0.60
2	ER-NR	2	0.50	0.07
3	Import of NR	34	8.50	1.14
4	NEW-SR	7	1.75	0.24
4	ER-NER	265	66.25	8.90

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.



POWER SYSTEM OPERATION CORPORATION LIMITED

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

NATIONAL LOAD DESPATCH CENTRE – राष्ट्रीय भार प्रेषण केन्द्र

POWERGRID, B-9, Qutab Institutional Area,

Katwaria Sarai, New Delhi-110016.