

पावर सिस्टम ऑपरेशन कॉरपोरेशन 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
Registered & Corporate Office : B - 9, 1st Floor, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110 016
Website : www.posoco.in, www.nldc.in, Tel: 011-26536832, 26524522, Fax: 011-26524525, 26536901

CIN No: U40105DL2009GOI188682

संदर्भ संख्या:-POSOCO/NLDC/GM/

दिनांक: 23.12.2015

सेवा में,

वितरण सूची के अनुसार

विषय:- निष्पादन रिपोर्ट - नवम्बर 2015

महोदय,

आई०ई०जी०सी०-2010 के प्रावधान के अनुसार, - नवम्बर 2015 माह की अखिल भारतीय प्रणाली की निष्पादन रिपोर्ट संलग्न है।

धन्यवाद

भवदीय


(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
Secretary, CERC, 3rd & 4th Floor, Chanderlok Building, 36, Janpath, New Delhi-110001
- 2 मुख्य अभियंता (जी एम), के.वि.प्रा., सेवा भवन, आर. के. पुरम, नई दिल्ली-110066
Chief Engineer (GM), CEA, Sewa Bhavan, R.K.Puram, New Delhi-110066
- 3 सदस्य सचिव, उ. क्षे. वि. स., 18/ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Member Secretary, NRPC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 4 सदस्य सचिव, प. क्षे. वि. स., एफ-3, एम आई डी सी क्षेत्र, अंधेरी(पूर्व), मुंबई - 400093
Member Secretary, WRPC, F-3, MIDC Area, Andheri (East), Mumbai-400093
- 5 सदस्य सचिव, द. क्षे. वि. स., 29, रेस कोर्स क्रॉस रोड, बंगलूरु - 560009
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
- 7 सदस्य सचिव, उ. पू. क्षे. वि. स., मेघालय राज्य आवासीय वित्त सहकारी समिति लिमिटेड भवन, नॉग्रिम हिल्स, शिलोंग - 793003
Member Secretary, NERPC, Meghalaya State Housing Finance Cooperative Society Ltd. Building, Nongrim Hills, Shillong -793003
- 8 महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
General Manager, ERLDC, 14, Golf Club Road, Kolkata-700033
- 9 महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी(पूर्व), मुंबई - 400093
General Manager, WRLDC, F-3, MIDC Area, Andheri (East), Mumbai-400093
- 10 कार्यपालक निदेशक, उ.क्षे.भा.प्रे.के, 18/ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 11 कार्यपालक निदेशक, द. क्षे. भा. प्रे. के, 29, रेस कोर्स क्रॉस रोड, बंगलूरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009
- 12 महाप्रबंधक, पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नॉग्रह, लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongtiah, Lower Nongrah, Laplang, Shillong-793006



POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

NATIONAL LOAD DESPATCH CENTRE –राष्ट्रीय भार प्रेषण केन्द्र

मासिक ऑपरेशन रिपोर्ट

Monthly
Operation Report



नवम्बर 2015

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

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



माह नवम्बर 2015 के लिए प्रचालन निष्पादन रिपोर्ट
OPERATIONAL PERFORMANCE REPORT FOR THE
MONTH OF NOVEMBER 2015

पृष्ठसूची CONTENTS

1	माह सितंबर 2015 की सारांश रिपोर्ट Summary of report for the month of November 2015	1-4
2	क्षेत्रवार स्थापित विद्युत क्षमता Region wise Installed Capacity	5
3	राष्ट्रीय स्तर पर सांध्यकालीन शिखर मांगपूर्ति Peak demand met at National level	6-8
4	राष्ट्रीय स्तर पर विद्युत ऊर्जा खपत Energy consumption at National level	9-10
5	फ्रिक्वेंसी रूपरेखा Frequency profile	11-12
6	राष्ट्रीय स्तर पर जल विद्युत ऊर्जा उत्पादन Hydro generation at National level	13-14
7	राष्ट्रीय स्तर पर पवन विद्युत ऊर्जा उत्पादन Wind generation at National level	15
8	ऊर्जा आपूर्ति की वास्तविक स्थिति Actual power supply position	16
9	ऊर्जा आवश्यकता एवं आपूर्ति की पिछले वर्ष माह सितंबर से तुलना Energy requirement and met comparison with September 2014	17
10	शिखर मांग आवश्यकता एवं आपूर्ति की पिछले वर्ष माह सितंबर से तुलना Peak demand requirement and met comparison with September 2014	18
11	क्षेत्रीय स्तर पर शिड्यूल एवं ड्रावल Schedule & drawal at regional level	19
12	अंतर क्षेत्रीय विनिमय Inter-regional exchanges	20-25
13	अंतर राष्ट्रीय विद्युत विनिमय Inter-national exchanges	26
14	एसटीओए (द्विपक्षीय एवं सामूहिक) एवं यू आइ का ब्यौरा Bilateral and collective short-term open access & UI details	27
15	पावर मार्केट की सूचना Power market information	28-29

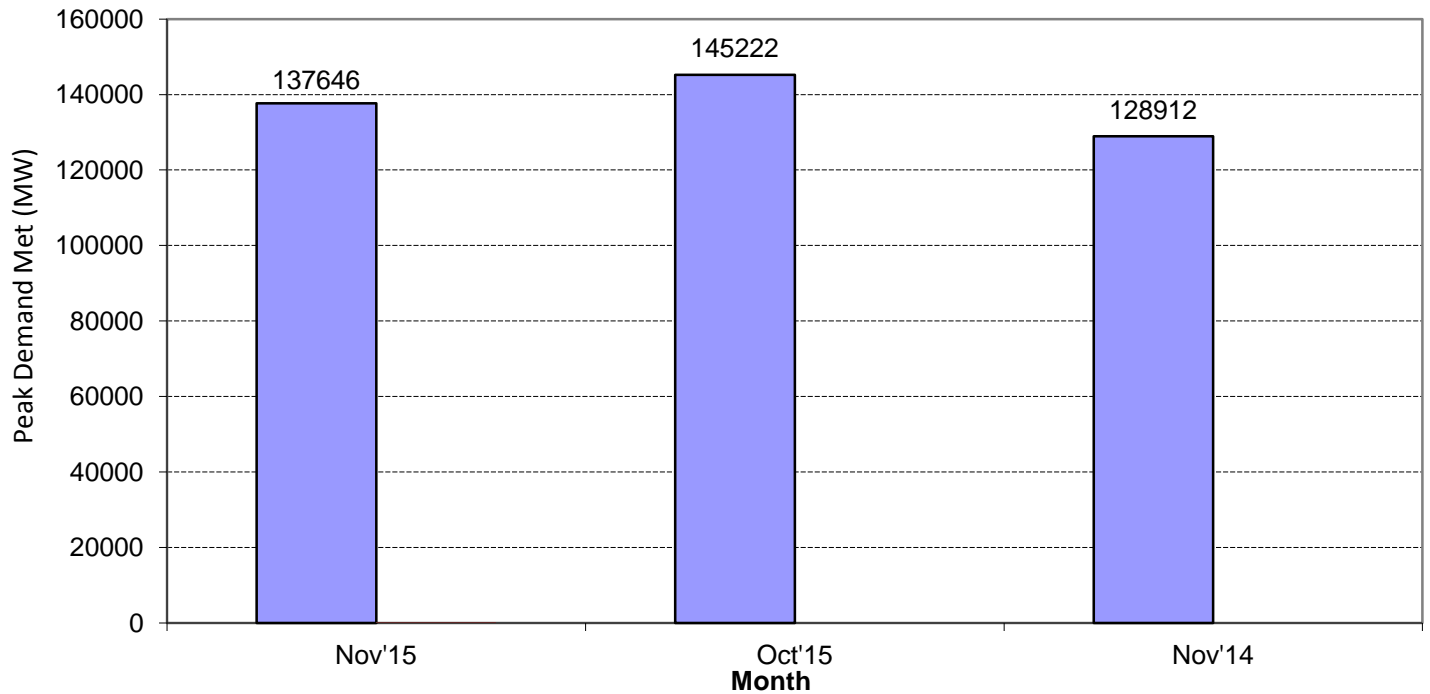
16	अक्षय ऊर्जा प्रमाण पत्र प्रक्रिया Renewable energy certificate mechanism	30-32
17	मुख्य घटनाएँ एवं दिसटरबेनसेज़ Important events/disturbances	33-36
18	नए कमीशंड पारेषण तत्व New elements commissioned	37
19	विभव रूपरेखा Voltage profile	38
20	नवम्बर 2015 के दौरान रा.भा.प्रे.के. द्वारा निगरानी में तत्वों की ट्रिपिंग की सूची List of tripping of elements monitored by NLDC for the month of November 2015	39-50

1. SUMMARY OF REPORT FOR THE MONTH OF NOVEMBER 2015

Peak Demand Met

Decreased by 5.21% as compared to Oct 2015

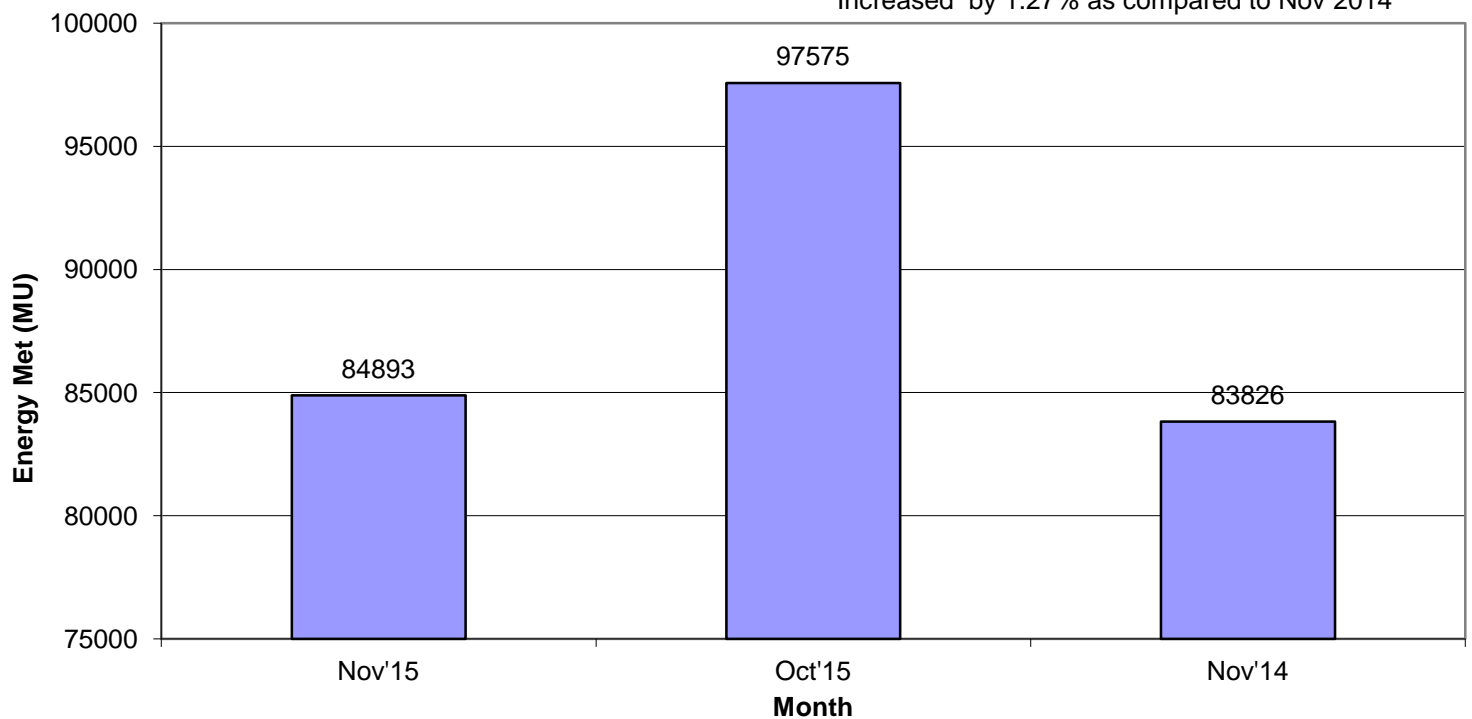
Increased by 6.77% as compared to Nov 2014



Energy Met

Decreased by 12.99% as compared to Oct 2015

Increased by 1.27% as compared to Nov 2014

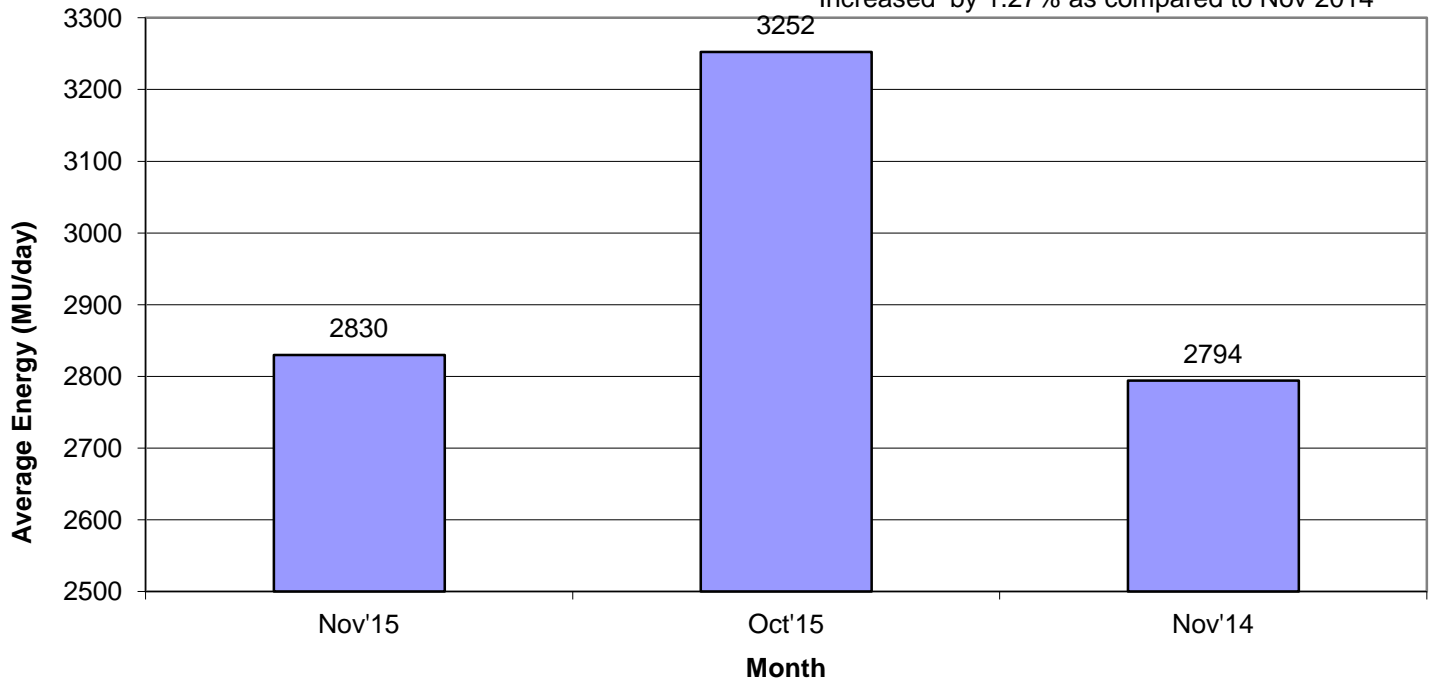


1. SUMMARY OF REPORT FOR THE MONTH OF NOVEMBER 2015

Average Energy (MU/day)

Decreased by 12.99% as compared to Oct 2015

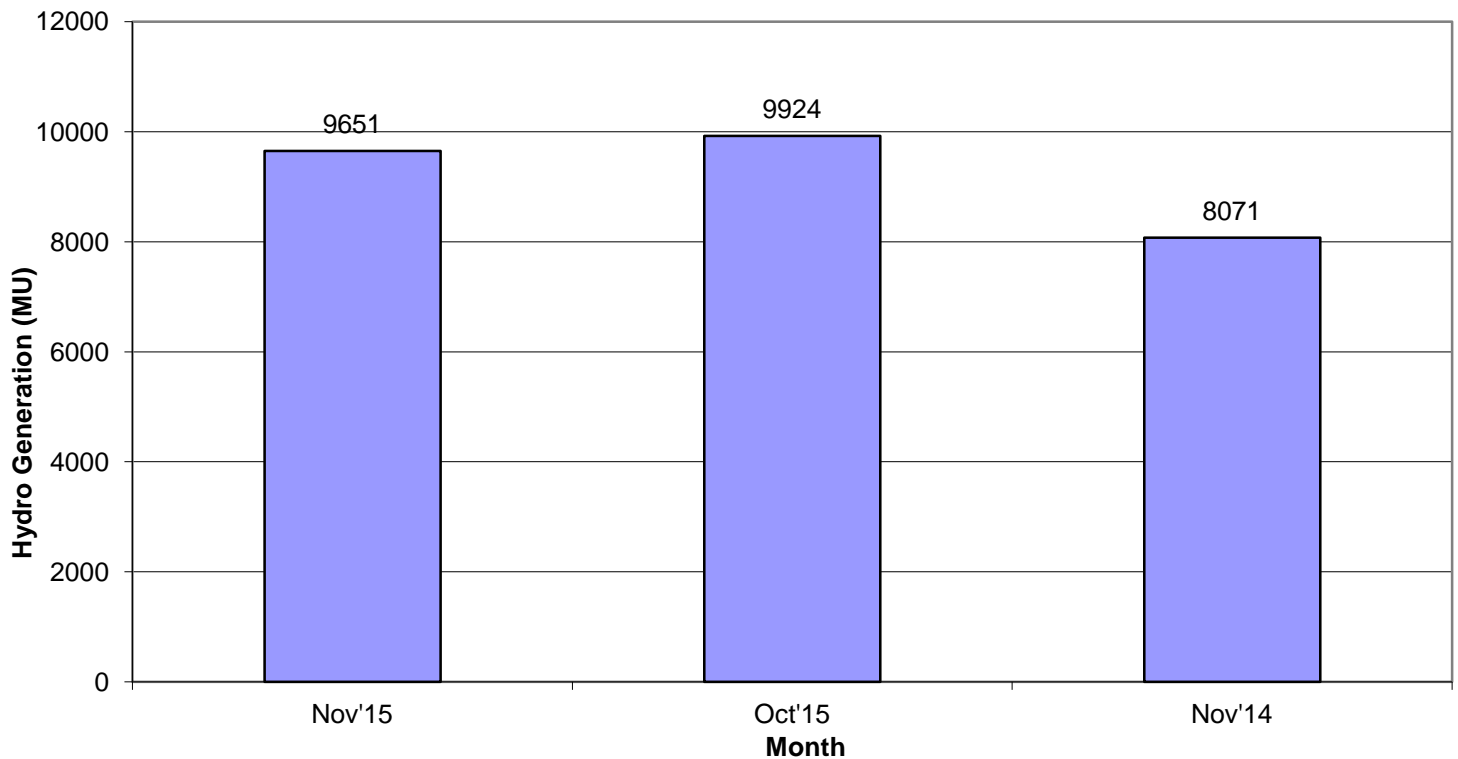
Increased by 1.27% as compared to Nov 2014



Hydro generation

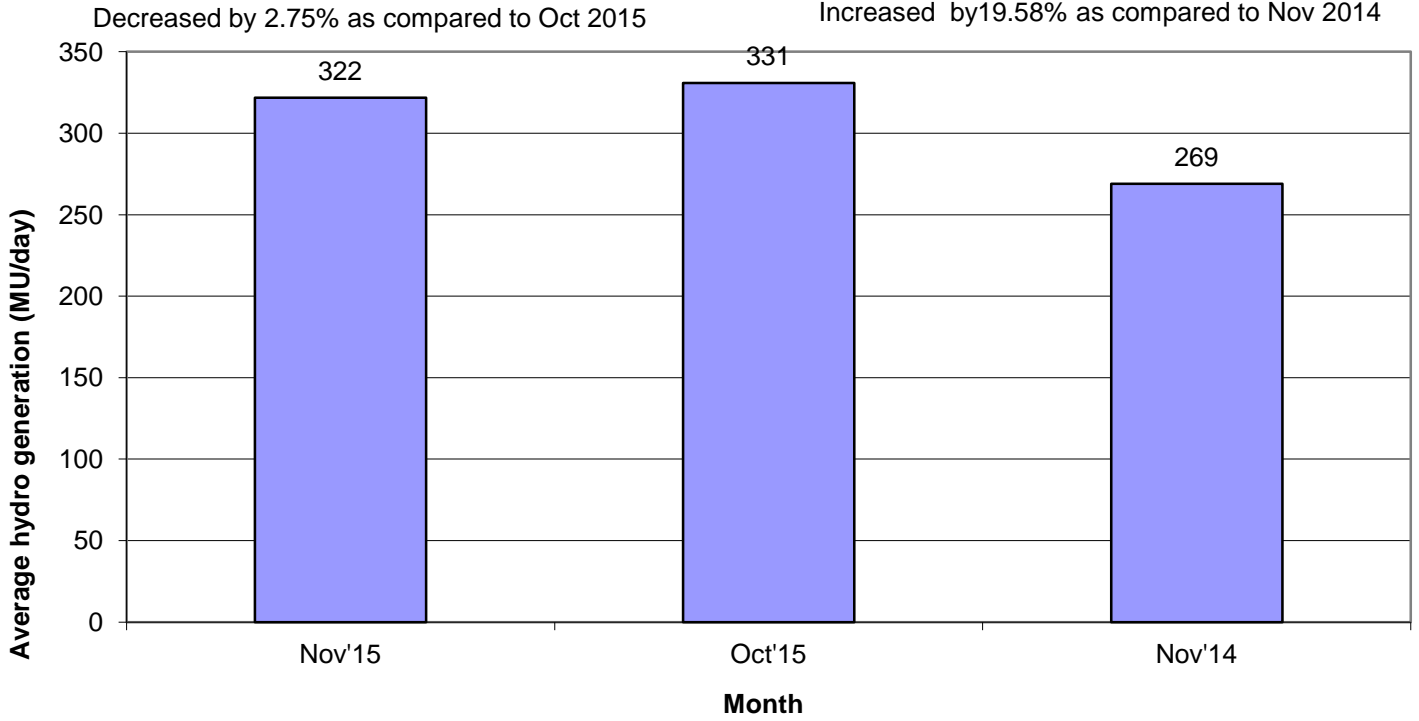
Decreased by 2.75% as compared to Oct 2015

Increased by 19.58% as compared to Nov 2014

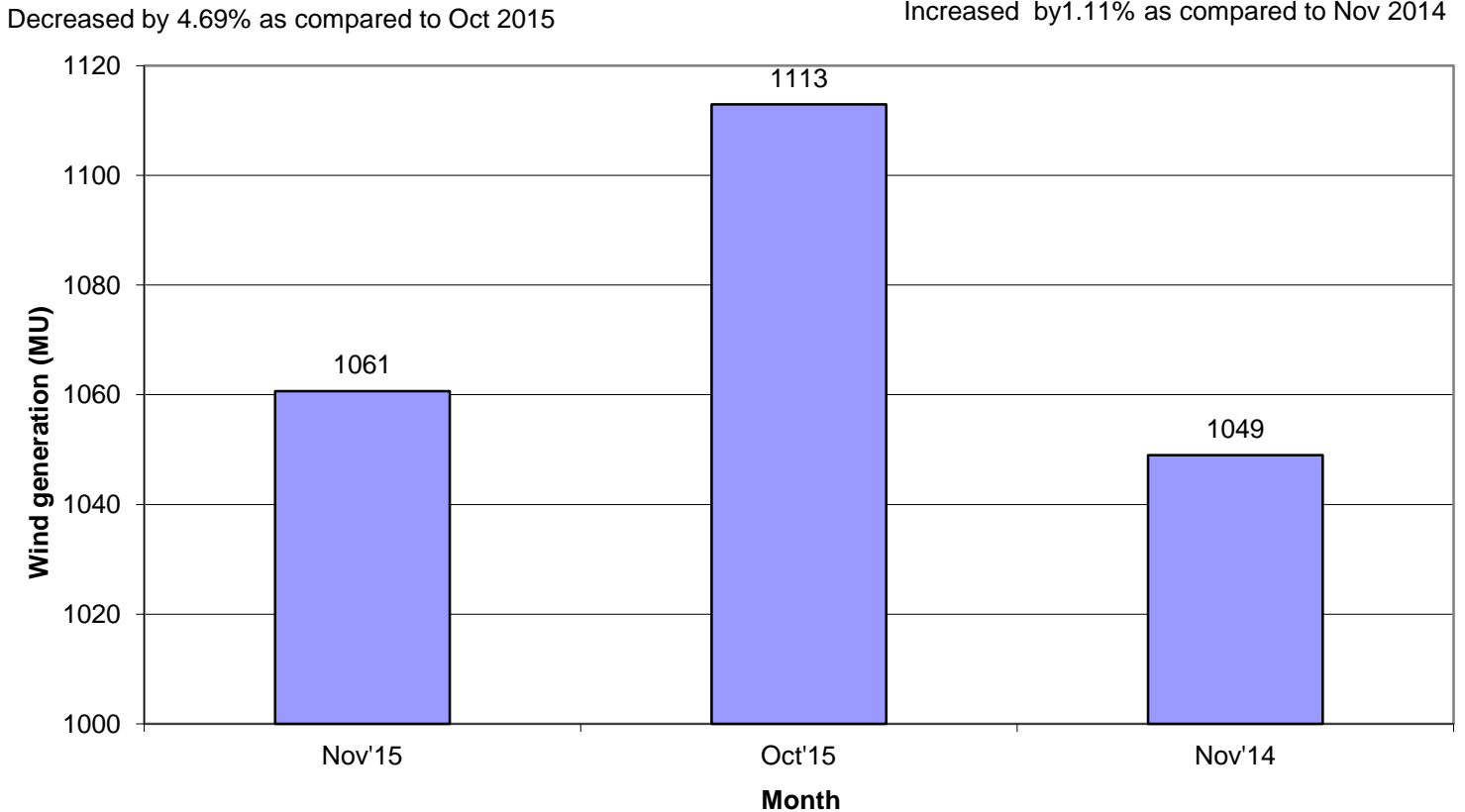


1. SUMMARY OF REPORT FOR THE MONTH OF NOVEMBER 2015

Average Hydro Generation



Wind Generation

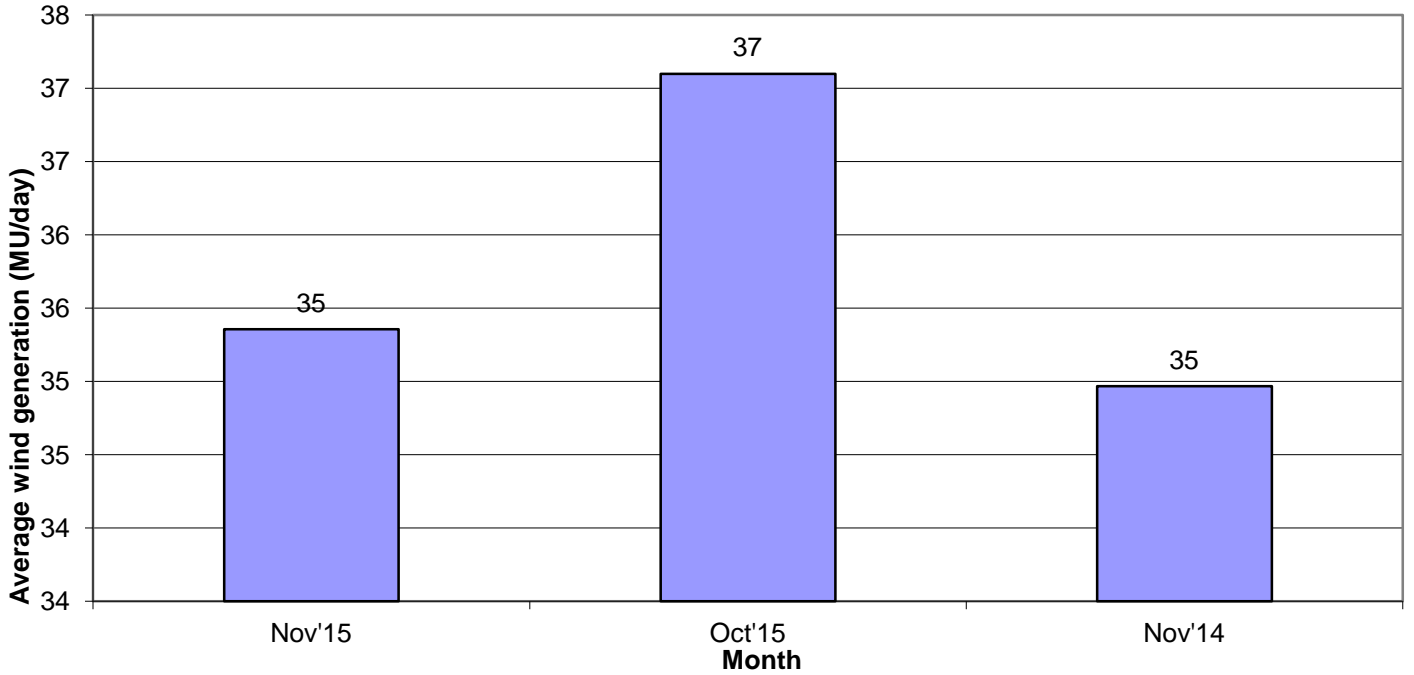


1. SUMMARY OF REPORT FOR THE MONTH OF NOVEMBER 2015

Average wind generation (MU/day)

Decreased by 4.69% as compared to Oct 2015

Increased by 1.114% as compared to Nov 2014

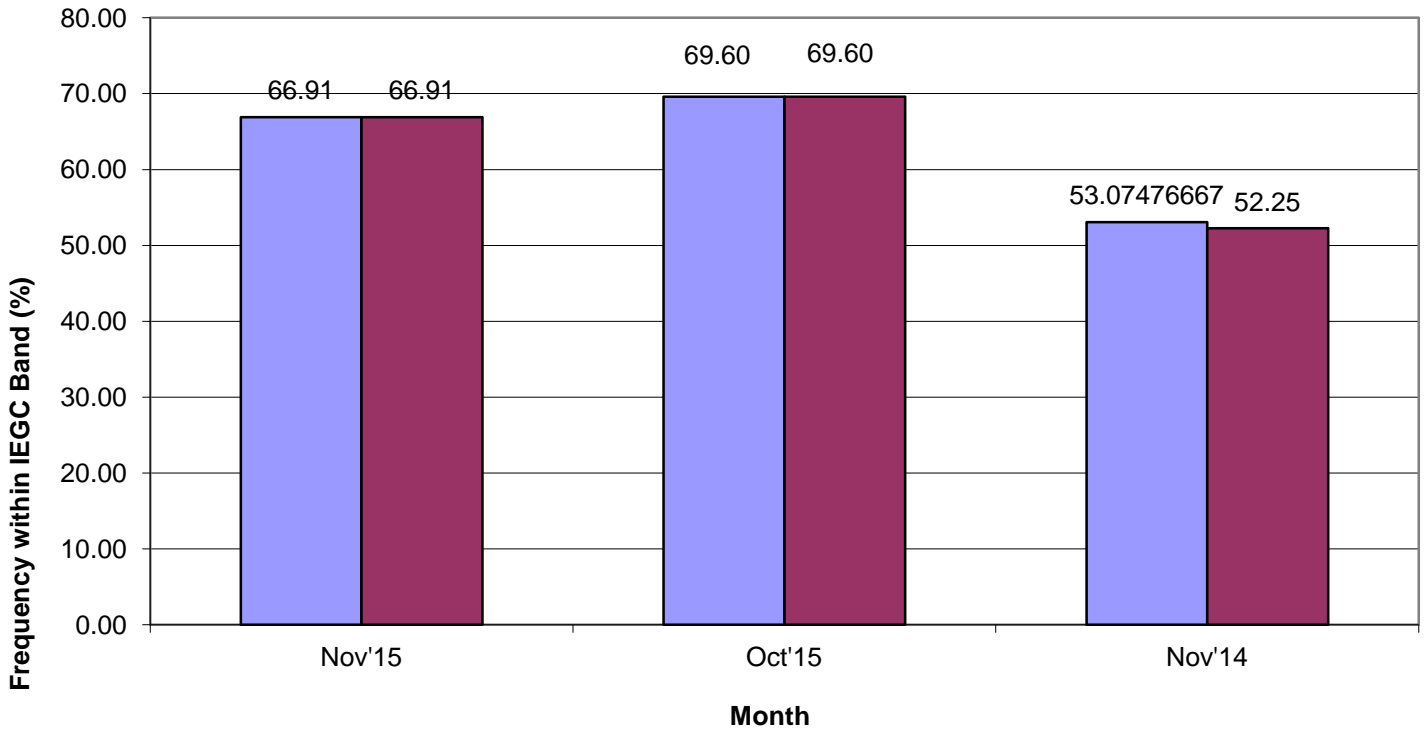


Frequency within IEGC Band

NEW Grid freq.(%) SR Grid Freq.(%)

Decreased by 3.85% as compared to Oct 2015

Increased by 26.06% as compared to Nov 2014



- 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 30.11.2015
(All figures are in MW)

S No	Region	THERMAL				NUCLEAR	HYDRO	RES @ MNRE	GRAND TOTAL
		COAL	GAS	DIESEL	TOTAL				
1	NR	41603	5331	0	46934	1620	18246	7849	74649
2	WR	68139	10815	0	78954	1840	7448	13373	101615
3	SR	32102	6473	917	39492	2320	11478	15460	68750
4	ER	28583	190	0	28773	0	4209	459	33441
5	NER	310	1663	36	2009	0	1242	262	3513
6	ISLANDS	0	0	40	40	0	0	11	51
		170737	24472	994	196203	5780	42623	37414	282020

Remarks: Data from CEA website

3. राष्ट्रीय स्तर पर संध्याकालीन शिखर विद्युत मांग पूर्ति

PEAK DEMAND MET AT NATIONAL LEVEL

माह:- नवम्बर 201५

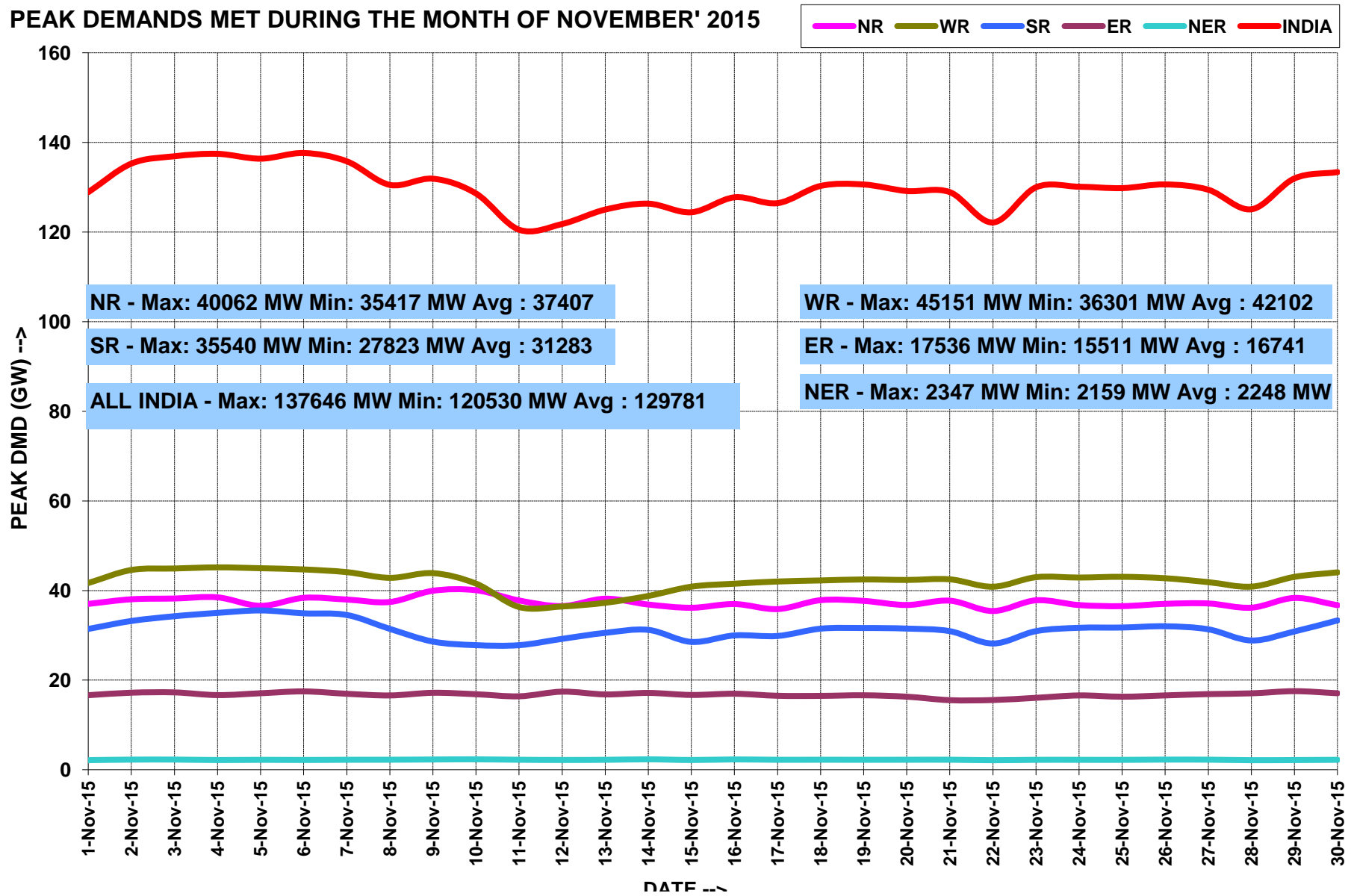
MONTH:- November 2015

सभी आकड़े मेगावाट में All figures in MW

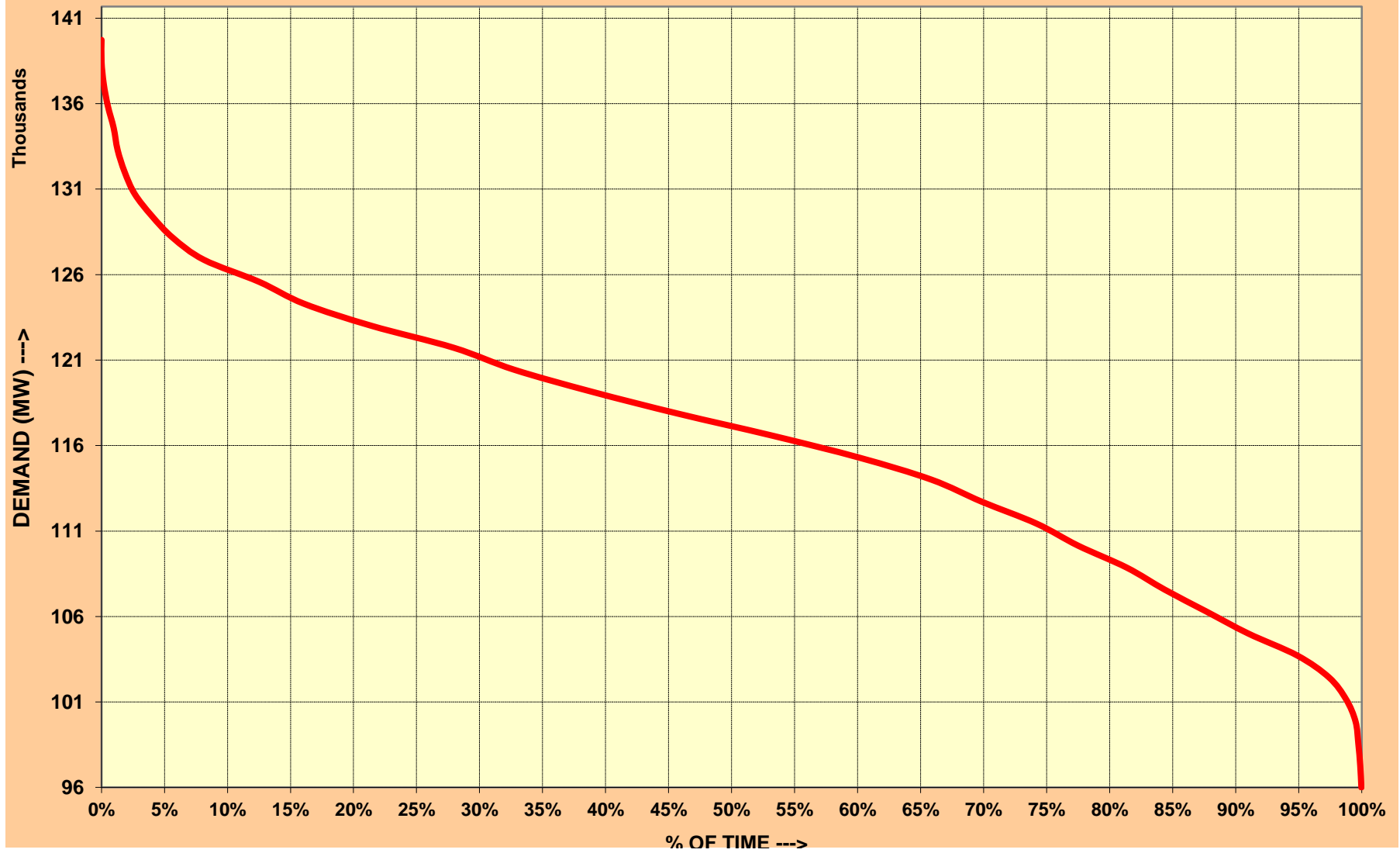
दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Nov-15	37010	41663	31429	16632	2175	128909
02-Nov-15	38041	44573	33198	17194	2284	135290
03-Nov-15	38211	44902	34255	17260	2292	136920
04-Nov-15	38469	45151	34996	16652	2195	137463
05-Nov-15	36575	44959	35540	17068	2239	136381
06-Nov-15	38365	44688	34898	17488	2207	137646
07-Nov-15	37979	44089	34529	16948	2251	135796
08-Nov-15	37438	42815	31438	16576	2262	130529
09-Nov-15	39949	43862	28619	17173	2312	131915
10-Nov-15	40062	41526	27823	16852	2346	128609
11-Nov-15	37771	36301	27823	16383	2252	120530
12-Nov-15	36519	36426	29229	17427	2207	121808
13-Nov-15	38169	37254	30556	16807	2243	125029
14-Nov-15	36863	38773	31217	17143	2347	126343
15-Nov-15	36144	40845	28549	16686	2203	124427
16-Nov-15	36975	41508	29991	16963	2327	127764
17-Nov-15	35848	41996	29867	16500	2247	126458
18-Nov-15	37838	42236	31491	16478	2261	130304
19-Nov-15	37678	42453	31634	16612	2245	130622
20-Nov-15	36760	42345	31506	16293	2257	129161
21-Nov-15	37726	42481	30929	15511	2262	128909
22-Nov-15	35417	40835	28193	15545	2159	122149
23-Nov-15	37812	42959	30942	16042	2242	129997
24-Nov-15	36744	42880	31679	16581	2239	130123
25-Nov-15	36506	43043	31741	16292	2232	129814
26-Nov-15	37020	42725	32024	16584	2288	130640
27-Nov-15	37105	41851	31343	16879	2271	129449
28-Nov-15	36164	40854	28863	17048	2164	125093
29-Nov-15	38340	43036	30872	17536	2191	131976
30-Nov-15	36706	44044	33326	17066	2244	133386
उच्चतम MAXIMUM	40062	45151	35540	17536	2347	137646
निम्नतम MINIMUM	35417	36301	27823	15511	2159	120530
औसत AVERAGE	37407	42102	31283	16741	2175	129781
अब तक का उच्चतम All Time Max.	50354	47617	36518	18574	2347	147655
दिनांक Date	11.09.15	20.10.15	26.03.15	17.10.15	14.11.15	11.09.15

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

PEAK DEMANDS MET DURING THE MONTH OF NOVEMBER' 2015



ALL INDIA LOAD DURATION CURVE FOR NOVEMBER' 2015



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

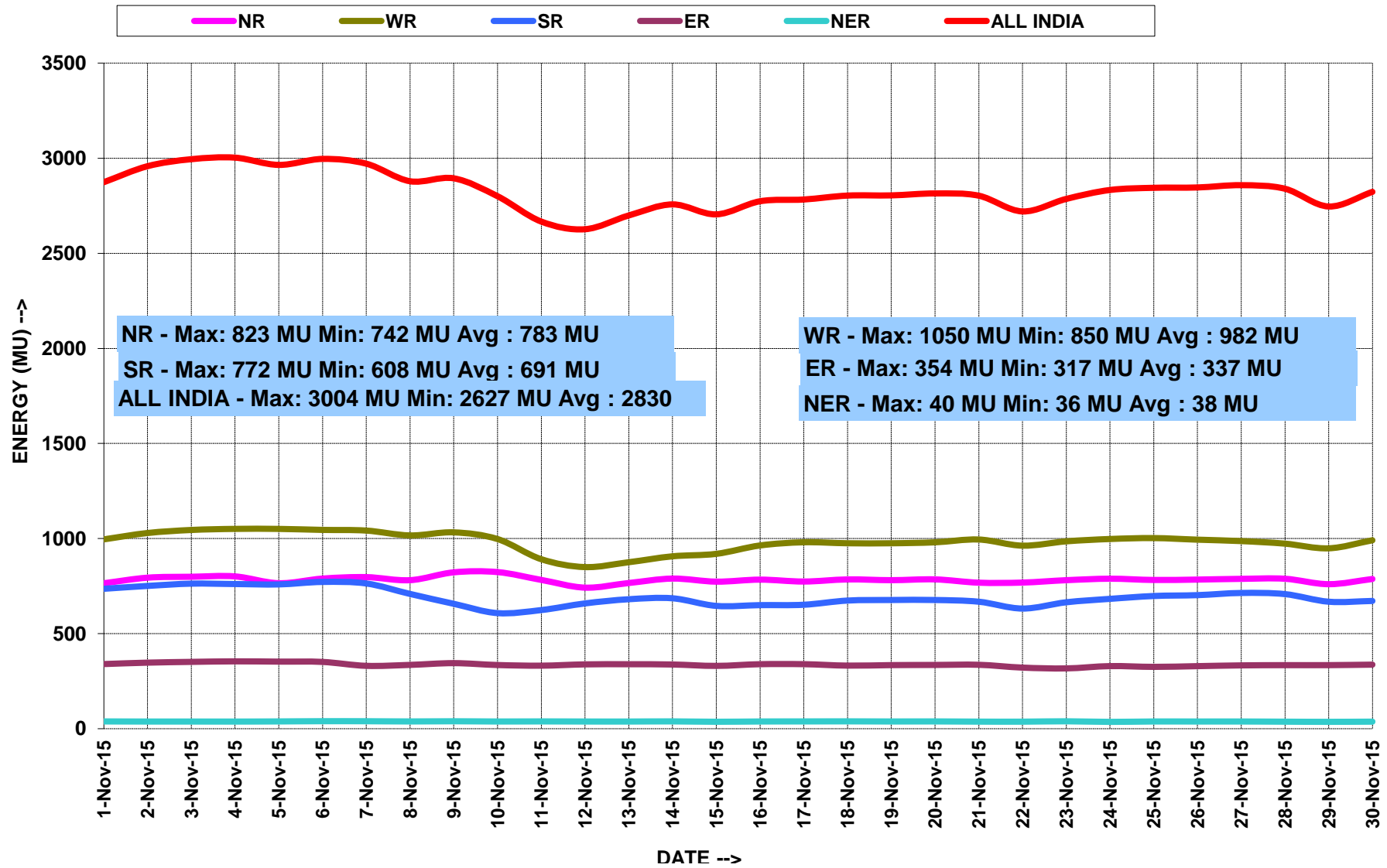
माह:- नवम्बर 201५

MONTH:- November 2015

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-Nov-15	765	995	736	340	38	2875
02-Nov-15	794	1029	751	348	38	2959
03-Nov-15	799	1045	763	352	38	2996
04-Nov-15	801	1050	761	354	37	3004
05-Nov-15	765	1050	759	353	38	2966
06-Nov-15	790	1045	772	351	40	2997
07-Nov-15	797	1041	764	330	39	2972
08-Nov-15	781	1016	709	336	38	2880
09-Nov-15	822	1032	657	345	39	2895
10-Nov-15	823	997	608	335	38	2801
11-Nov-15	783	891	624	331	38	2668
12-Nov-15	742	850	659	338	38	2627
13-Nov-15	766	876	681	339	38	2700
14-Nov-15	790	906	686	338	38	2758
15-Nov-15	774	919	646	330	36	2705
16-Nov-15	784	963	650	339	38	2774
17-Nov-15	774	980	652	339	38	2784
18-Nov-15	785	975	674	332	39	2804
19-Nov-15	781	975	677	334	38	2805
20-Nov-15	785	980	677	335	38	2816
21-Nov-15	768	995	668	336	37	2804
22-Nov-15	769	962	632	321	37	2721
23-Nov-15	781	985	665	317	39	2787
24-Nov-15	789	997	683	329	36	2834
25-Nov-15	782	1002	698	325	38	2845
26-Nov-15	784	994	703	329	38	2847
27-Nov-15	788	986	714	333	38	2859
28-Nov-15	789	973	708	334	37	2840
29-Nov-15	760	948	668	334	36	2747
30-Nov-15	787	991	672	337	37	2824
कुल TOTAL	23500	29448	20717	10095	1134	84893
उच्चतम MAXIMUM	823	1050	772	354	40	3004
निम्नतम MINIMUM	742	850	608	317	36	2627
औसत AVERAGE	783	982	691	337	38	2830
अब तक का उच्चतम All Time Max.	1147	1131	893	387	44	3342
दिनांक Date	11.09.15	20.10.15	26.03.15	03.10.15	18.09.15	11.09.15

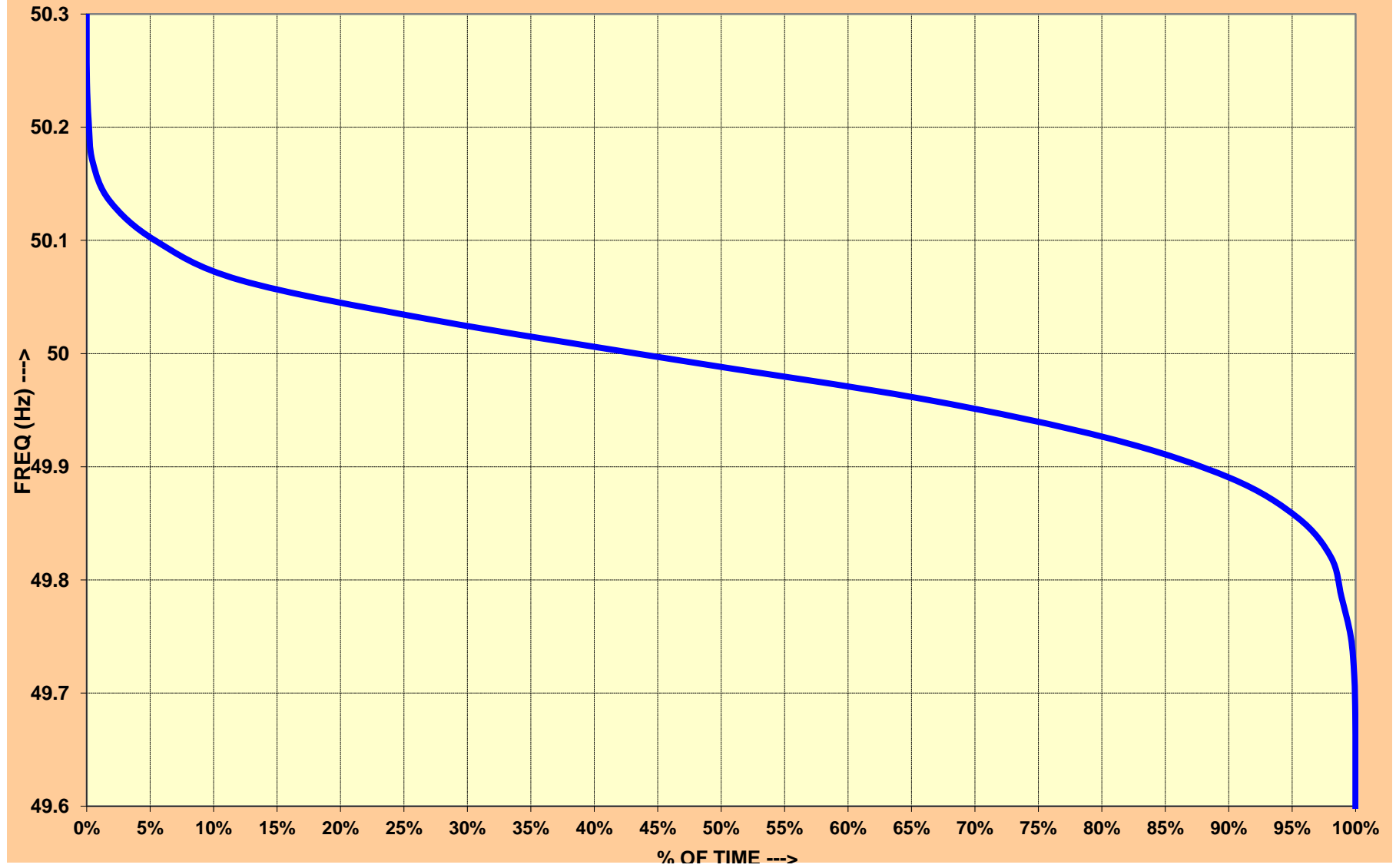
ENERGY MET DURING THE MONTH OF NOVEMBER' 2015



5.वर्ष 2015-16 के लिए आवृत्ति रूपरेखा FREQUENCY PROFILE FOR YEAR 2015-16

राष्ट्रीय गिड NATIONAL GRID									
फ़िक्वेन्सी रूपरेखा (Hz)		49.0-49.9	<49.9	49.9-50.05	>50.05	उच्चतम फ़िक्वेन्सी	निम्नतम फ़िक्वेन्सी	औसत फ़िक्वेन्सी	
% समय	Nov-15	All India Grid	11.54	11.42	66.91	21.67	50.21	49.73	49.99
	Oct-15	All India Grid	14.05	14.05	69.60	16.35	50.33	49.62	49.98
	Sep-15	All India Grid	30.12	30.12	60.00	9.87	50.33	49.52	49.94
	Aug-15	N-E-W Grid	15.60	15.60	70.29	14.11	50.27	49.55	49.97
		SR Grid	15.66	15.66	70.37	13.97	50.27	49.55	49.97
	Jul-15	All India Grid	10.64	10.64	70.28	19.08	50.33	49.58	49.99
	Jun-15	All India Grid	9.20	9.20	64.17	26.63	50.55	49.56	49.98
	May-15	N-E-W Grid	15.64	15.64	64.77	19.59	50.55	49.55	49.98
		SR Grid	15.75	15.75	64.67	19.58	50.55	49.19	49.99
	Apr-15	All India Grid	14.89	14.89	60.12	24.99	50.55	49.50	49.99

ALL INDIA FREQUENCY DURATION CURVE FOR NOVEMBER' 2015



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

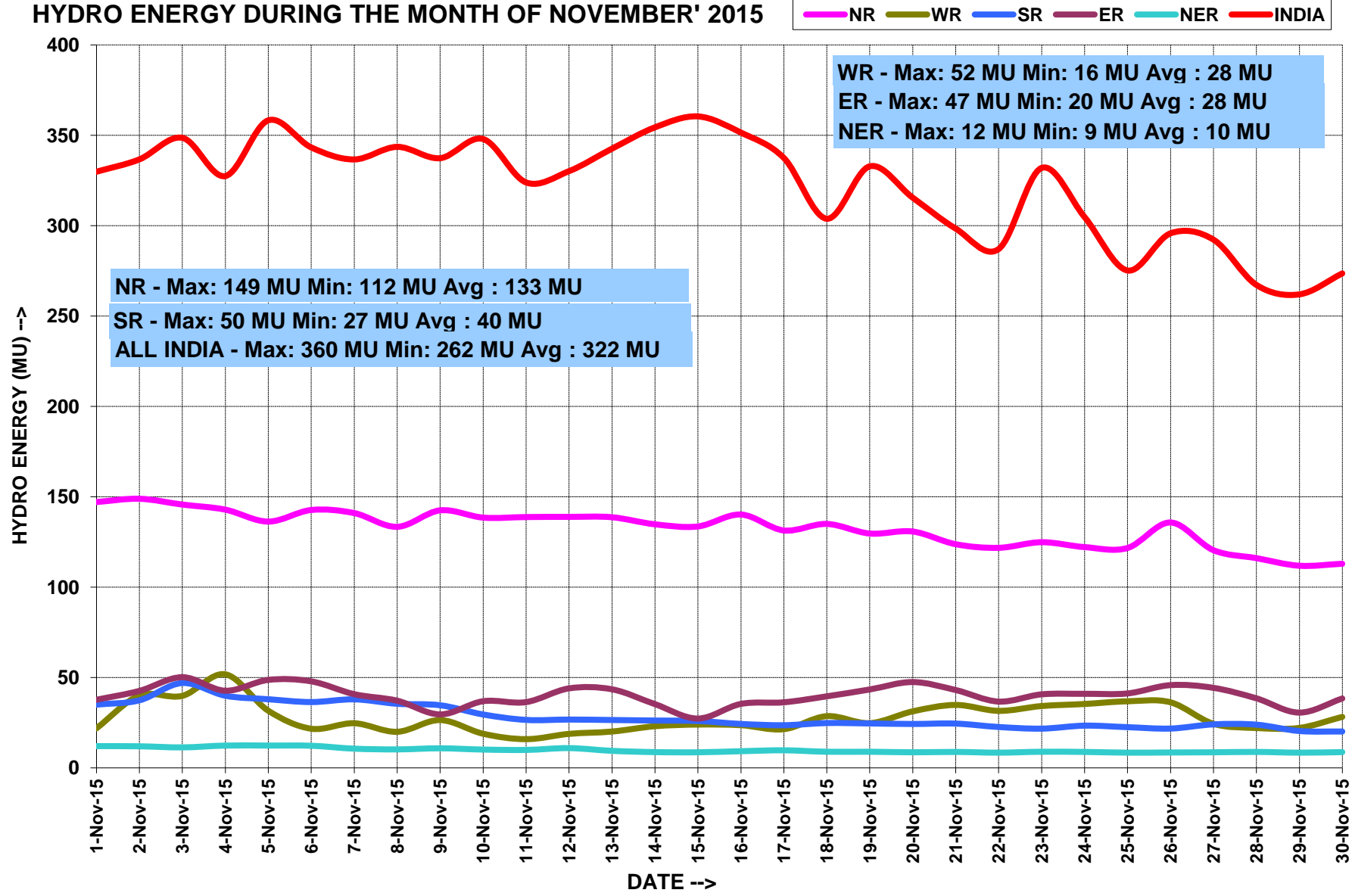
माह:- नवम्बर 201५

MONTH:- November 2015

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Nov-15	147	22	38	35	12	330
02-Nov-15	149	40	43	37	12	337
03-Nov-15	146	40	50	47	11	349
04-Nov-15	143	52	43	40	12	327
05-Nov-15	136	32	49	38	12	358
06-Nov-15	143	22	48	36	12	343
07-Nov-15	141	25	41	38	11	337
08-Nov-15	133	20	37	35	10	344
09-Nov-15	143	27	30	35	11	337
10-Nov-15	139	19	37	30	10	348
11-Nov-15	139	16	37	27	10	324
12-Nov-15	139	19	44	27	11	330
13-Nov-15	139	20	44	27	10	343
14-Nov-15	135	23	35	26	9	354
15-Nov-15	134	24	27	26	9	360
16-Nov-15	140	24	36	24	9	352
17-Nov-15	131	22	36	24	10	338
18-Nov-15	135	29	40	25	9	304
19-Nov-15	130	25	44	25	9	333
20-Nov-15	131	31	48	24	9	316
21-Nov-15	124	35	43	25	9	298
22-Nov-15	122	32	37	23	9	287
23-Nov-15	125	34	41	22	9	332
24-Nov-15	122	35	41	23	9	305
25-Nov-15	122	37	41	23	9	275
26-Nov-15	136	36	46	22	9	296
27-Nov-15	121	24	44	24	9	292
28-Nov-15	116	22	39	24	9	267
29-Nov-15	112	22	31	20	9	262
30-Nov-15	113	28	39	20	9	274
कुल TOTAL	3983	837	1206	851	296	9651
उच्चतम MAXIMUM	149	52	50	47	12	360
निम्नतम MINIMUM	112	16	27	20	9	262
औसत AVERAGE	133	28	40	28	10	322
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 NOVEMBER' 2015



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

माह:- नवम्बर 201५

MONTH:- November 2015

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-Nov-15	9	28	11	-----	-----	30
02-Nov-15	8	19	7	-----	-----	24
03-Nov-15	6	10	5	-----	-----	58
04-Nov-15	7	10	5	-----	-----	50
05-Nov-15	10	12	4	-----	-----	31
06-Nov-15	15	9	10	-----	-----	32
07-Nov-15	8	25	12	-----	-----	36
08-Nov-15	16	21	18	-----	-----	40
09-Nov-15	16	18	27	-----	-----	48
10-Nov-15	13	25	34	-----	-----	90
11-Nov-15	12	39	32	-----	-----	52
12-Nov-15	9	26	14	-----	-----	22
13-Nov-15	2	12	9	-----	-----	25
14-Nov-15	4	15	17	-----	-----	24
15-Nov-15	4	13	10	-----	-----	21
16-Nov-15	7	27	14	-----	-----	27
17-Nov-15	1	41	10	-----	-----	26
18-Nov-15	3	48	15	-----	-----	25
19-Nov-15	7	50	21	-----	-----	34
20-Nov-15	8	40	16	-----	-----	26
21-Nov-15	12	28	15	-----	-----	28
22-Nov-15	9	15	17	-----	-----	19
23-Nov-15	8	17	11	-----	-----	18
24-Nov-15	13	24	13	-----	-----	35
25-Nov-15	9	23	13	-----	-----	38
26-Nov-15	12	24	8	-----	-----	34
27-Nov-15	5	31	11	-----	-----	35
28-Nov-15	5	21	11	-----	-----	52
29-Nov-15	10	35	19			51
30-Nov-15	7	27	9	-----	-----	29
कुल TOTAL	250	734	414	...	...	1061
उच्चतम MAXIMUM	16	50	34	...	...	90
निम्नतम MINIMUM	1	9	4	...	...	18
औसत AVERAGE	8	24	14	...	...	35
अब तक का उच्चतम All Time Max	34.9	117.5	126.5	...	...	273.1
दिनांक Date	12.06.12	06.07.15	08.07.15	...	...	06.07.15

8. ACTUAL POWER SUPPLY POSITION - November 2015

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	3.3	3.3	0.0	98.5	98.5	0.0	0.0	190	190	0	0.0
	Delhi	58.8	58.7	0.0	1763.1	1761.9	-1.2	-0.1	3512	3512	0	0.0
	Haryana	104.9	104.9	0.0	3146.9	3146.4	-0.5	0.0	6610	6610	0	0.0
	H.P.	22.9	22.8	-0.1	687.1	684.1	-3.0	-0.4	1361	1361	0	0.0
	J&K	47.0	40.1	-7.0	1410.0	1201.5	-208.5	-14.8	2433	2064	-369	-15.2
	Punjab	89.2	89.2	0.0	2676.5	2676.5	0.0	0.0	5129	5129	0	0.0
	Rajasthan	202.0	201.5	-0.4	6058.9	6046.5	-12.4	-0.2	9780	9780	0	0.0
	U.P.	256.2	230.1	-26.1	7686.7	6903.6	-783.1	-11.3	14503	14503	0	0.0
	Uttarakhand	32.4	32.1	-0.4	973.0	962.1	-11.0	-1.1	1805	1805	0	0.0
NFF/Railway	2.3	2.3	0.0	67.8	67.8	0.0	0.0	104	104	0	0.0	
TOTAL	819.0	785.0	-34.0	24568.6	23549.0	-1019.6	-4.1	41238	40187	-1051	-2.5	
WR	Gujarat	265.1	265.0	-0.1	7954.2	7951.4	-2.8	0.0	13682	13677	-5	0.0
	Madhya Pradesh	217.5	217.4	0.0	6524.3	6523.2	-1.2	0.0	10407	10393	-14	-0.1
	Chhattisgarh	67.2	67.0	-0.2	2016.2	2008.8	-7.4	-0.4	3443	3333	-110	-3.2
	Maharashtra	403.6	400.9	-2.7	12106.9	12026.9	-80.0	-0.7	20810	20378	-432	-2.1
	Goa	8.3	8.3	0.0	249.0	248.7	-0.3	-0.1	441	418	-23	-5.2
	D&D	6.1	6.1	0.0	183.2	183.2	0.0	0.0	304	304	0	0.0
	DNH	15.1	15.1	0.0	453.5	453.1	-0.5	-0.1	716	716	0	0.0
	ESIL	6.5	6.5	0.0	194.3	194.1	-0.2	-0.1	585	585	0	0.0
TOTAL	989.4	986.3	-3.1	29681.6	29589.3	-92.3	-0.3	46991	46528	-463	-1.0	
SR	Andhra Pradesh	122.3	122.3	0.0	3670.3	3668.9	-1.5	0.0	6755	6755	0	0.0
	Telangana	130.4	130.3	-0.1	3911.3	3909.7	-1.5	0.0	6479	6479	0	0.0
	KPTCL	160.6	155.7	-4.9	4818.2	4672.5	-145.7	-3.0	7921	7623	-297	-3.8
	KSEB	60.1	60.0	-0.1	1804.4	1799.9	-4.4	-0.2	3456	3455	-1	0.0
	TNEB	217.0	216.9	-0.1	6511.1	6508.3	-2.9	0.0	12481	12481	0	0.0
	PONDICHERY	5.2	5.2	0.0	155.1	154.5	-0.5	-0.4	332	332	0	0.0
TOTAL	695.7	690.5	-5.2	20870.3	20713.8	-156.6	-0.8	35908	35383	-525	-1.5	
ER	Bihar	72.1	63.0	-9.1	2161.5	1889.1	-272.5	-12.6	3552	3335	-217	-6.1
	JSEB	23.4	23.3	-0.1	702.5	700.0	-2.6	-0.4	1177	1177	0	0.0
	DVC	57.3	57.3	0.0	1717.5	1717.5	0.0	0.0	2624	2624	0	0.0
	Odisha	71.6	71.6	0.0	2147.1	2147.1	0.0	0.0	4063	4063	0	0.0
	West Bengal	120.6	120.5	-0.1	3618.4	3615.4	-3.0	-0.1	7199	7189	-10	-0.1
	Sikkim	0.9	0.9	0.0	28.5	28.5	0.0	0.0	101	101	0	0.0
TOTAL	345.8	336.6	-9.3	10375.5	10097.4	-278.1	-2.7	17748	17668	-80	-0.5	
NER	Arunachal Pradesh	2.0	2.0	0.0	59.9	59.5	-0.4	-0.7	120	118	-2	-1.7
	Assam	22.4	20.9	-1.5	671.7	626.8	-44.9	-6.7	1387	1378	-9	-0.6
	Manipur	2.4	2.4	0.0	72.4	72.3	-0.1	-0.1	165	163	-2	-1.2
	MeSEB	5.6	5.5	-0.1	167.7	164.7	-2.9	-1.7	338	335	-3	-0.9
	Mizoram	1.4	1.4	0.0	42.7	42.1	-0.6	-1.3	90	89	-1	-1.1
	Nagaland	2.1	2.0	0.0	62.0	60.7	-1.3	-2.0	121	120	-1	-0.8
	Tripura	3.6	3.0	-0.6	108.6	89.7	-18.9	-17.4	244	242	-2	-0.7
TOTAL	39.5	37.2	-2.3	1185.0	1116.0	-69.0	-5.8	2465	2445	-20	-0.8	
ALL INDIA	2889.4	2835.5	-53.9	86681.0	85065.5	-1615.5	-1.9	144350	142210	-2139	-1.5	

9. ENERGY COMPARISON OF November 2015 Vs November 2014

REGION	STATE	Energy Requirement (MU)					Energy Met (MU)				
		Nov-14	Nov-15	Difference	% Change	Average MU/day for Nov-15	Nov-14	Nov-15	Difference	% Change	Average for MU/day Nov-15
NR	Chandigarh	99	99	-1	-1	3	99	99	-1	-1	3
	Delhi	1759	1763	4	0	59	1758	1762	4	0	59
	Haryana	3202	3147	-55	-2	105	3200	3146	-53	-2	105
	H.P.	725	687	-38	-5	23	724	684	-40	-6	23
	J&K	1445	1410	-35	-2	47	1145	1202	57	5	40
	Punjab	2973	2677	-297	-10	89	2955	2677	-278	-9	89
	Rajasthan	6113	6059	-54	-1	202	6113	6046	-66	-1	202
	U.P.	7853	7687	-166	-2	256	6506	6904	398	6	230
	Uttarakhand	981	973	-8	-1	32	948	962	14	1	32
	NFF/Railway	68	68	0	0	2	68	68	0	0	2
	TOTAL	25219	24569	-650	-3	819	23515	23549	34	0	785
WR	Gujarat	8389	7954	-435	-5	265	8386	7951	-434	-5	265
	Madhya Pradesh	6063	6524	461	8	217	6063	6523	461	8	217
	Chhattisgarh	1889	2016	128	7	67	1884	2009	125	7	67
	Maharashtra	11862	12107	245	2	404	11702	12027	325	3	401
	Goa	232	249	17	8	8	231	249	18	8	8
	D&D	175	183	8	5	6	175	183	8	5	6
	DNH	461	454	-7	-2	15	461	453	-8	-2	15
	ESIL	239	194	-44	-19	6	239	194	-45	-19	6
	TOTAL	54595	54318	-277	-1	1811	52723	53206	483	1	1774
SR	Andhra Pradesh	4041	3670	-371	-9	122	4005	3669	-336	-8	122
	Telangana	4425	3911	-514	-12	130	4166	3910	-256	-6	130
	KPTCL	4696	4818	122	3	161	4500	4672	172	4	156
	KSEB	1754	1804	50	3	60	1739	1800	61	4	60
	TNEB	8065	6511	-1554	-19	217	7922	6508	-1414	-18	217
	PONDY	197	155	-42	-21	5	195	155	-40	-21	5
		TOTAL	78648	76019	-2629	-3	2534	76124	74750	-1374	-2	2492
ER	Bihar	1291	2162	871	67	72	1482	1889	407	27	63
	JSEB	700	703	3	0	23	649	700	51	8	23
	DVC	1640	1718	78	5	57	1632	1718	86	5	57
	Odisha	2247	2147	-100	-4	72	2027	2147	120	6	72
	West Bengal	3178	3618	440	14	121	3414	3615	201	6	121
	Sikkim	1	28	27	2746	1	1	28	27	2746	1
		TOTAL	9057	10375	1318	15	346	9205	10097	892	10	337
NER	Arunachal Pradesh	65	60	-5	-8	2	60	60	0	0	2
	Assam	660	672	12	2	22	583	627	44	7	21
	Manipur	70	72	2	3	2	70	72	2	3	2
	MeSEB	175	168	-7	-4	6	162	165	3	2	5
	Mizoram	43	43	0	-1	1	40	42	2	5	1
	Nagaland	65	62	-3	-5	2	55	61	5	10	2
	Tripura	110	109	-1	-1	4	91	90	-1	-1	3
	TOTAL	13424	15207	1783	13	507	13681	14857	1176	9	495
	ALL INDIA	180943	180489	-454	0	6016	175248	176460	1212	1	5882

10. DEMAND COMPARISON OF November 2015 Vs November 2014

REGION	STATE	Peak Requirement (MW)				Peak Met (MW)			
		Nov-14	Nov-15	Difference	% Change	Nov-14	Nov-15	Difference	% Change
NR	Chandigarh	190	190	0	0.0	190	190	0	0.0
	Delhi	3512	3512	0	0.0	3512	3512	0	0.0
	Haryana	6345	6610	265	4.2	6340	6610	270	4.3
	H.P.	1403	1361	-42	-3.0	1403	1361	-42	-3.0
	J&K	2455	2433	-22	-0.9	1964	2064	100	5.1
	Punjab	5626	5129	-497	-8.8	5626	5129	-497	-8.8
	Rajasthan	9525	9780	255	2.7	9525	9780	255	2.7
	U.P.	12744	14503	1759	13.8	10694	14503	3809	35.6
	Uttarakhand	1828	1805	-23	-1.3	1748	1805	57	3.3
	NFF/Railway	100	104	4	4.0	100	104	4	4.0
WR	Gujarat	13386	13682	296	2	13424	13677	253	1.9
	Madhya Pradesh	9812	10407	595	6	9832	10393	561	5.7
	Chhattisgarh	3240	3443	203	6	3078	3333	255	8.3
	Maharashtra	20469	20810	341	2	19629	20378	749	3.8
	Goa	421	441	20	5	421	418	-3	-0.7
	D&D	331	304	-27	-8.2	331	304	-27	-8.2
	DNH	671	716	45	6.7	671	716	45	6.7
	ESIL	476	585.03	109	22.9	476	585.03	109	22.9
SR	Andhra Pradesh	6081	6755	674	11.1	6030	6755	725	12.0
	Telangana	6133	6479	346	5.6	6648	6479	-169	-2.5
	KPTCL	8244	7921	-323	-3.9	9503	7623	-1880	-19.8
	KSEB	3493	3456	-37	-1.1	3512	3455	-57	-1.6
	TNEB	11411	12481	1070	9.4	13771	12481	-1290	-9.4
	PONDY	305	332	27	8.9	348	332	-16	-4.6
ER	Bihar	2530	3552	1022	40.4	2754	3335	581	21.1
	JSEB	1100	1177	77	7.0	1064	1177	113	10.6
	DVC	2730	2624	-106	-3.9	2488	2624	136	5.5
	Odisha	3650	4063	413	11.3	3717	4063	346	9.3
	West Bengal	6730	7199	469	7.0	7009	7189	180	2.6
	Sikkim	100	101	1	1.0	100	101	1	1.0
NER	Arunachal Pradesh	126	120	-6	-4.4	116	118	2	1.7
	Assam	1442	1387	-55	-3.8	1250	1378	128	10.2
	Manipur	140	165	25	17.8	138	163	25	18.1
	MeSEB	349	338	-11	-3.3	338	335	-3	-0.9
	Mizoram	90	90	0	-0.2	80	89	9	11.3
	Nagaland	120	121	1	0.5	115	120	5	4.3
	Tripura	270	244	-27	-9.9	222	242	20	9.0

11. SCHEDULE AND DRAWAL OF CONSTITUENTS - November 2015

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	100.83	105.73	4.90	4.86	3.36	3.52	0.16
	Delhi	1342.25	1356.66	14.41	1.07	44.74	45.22	0.48
	Haryana	1884.66	1887.48	2.82	0.15	62.82	62.92	0.09
	H.P.	501.22	513.69	12.47	2.49	16.71	17.12	0.42
	J&K	935.01	926.59	-8.42	-0.90	31.17	30.89	-0.28
	Punjab	1384.39	1426.17	41.78	3.02	46.15	47.54	1.39
	Rajasthan	2197.09	2235.70	38.61	1.76	73.24	74.52	1.29
	U.P.	3347.63	3372.49	24.86	0.74	111.59	112.42	0.83
	Uttarakhand	681.50	725.78	44.29	6.50	22.72	24.19	1.48
NFF/Railway	59.29	67.97	8.69	14.65	1.98	2.27	0.29	
WR	Gujarat	1697.10	1634.29	-62.81	-3.70	56.57	54.48	-2.09
	Madhya Pradesh	4022.49	3952.26	-70.23	-1.75	134.08	131.74	-2.34
	Maharashtra	3196.65	3134.54	-62.11	-1.94	106.56	104.48	-2.07
	Chhattisgarh	569.26	557.01	-12.25	-2.15	18.98	18.57	-0.41
	Goa	63.03	65.27	2.24	3.55	2.10	2.18	0.07
	D&D	178.83	183.18	4.35	2.43	5.96	6.11	0.15
	D&NH	459.36	453.06	-6.30	-1.37	15.31	15.10	-0.21
ESIL	195.73	194.08	-1.65	-0.84	6.52	6.47	-0.06	
SR	Andhra Pradesh	639.79	668	28.28	4.42	21.33	22.27	0.94
	Telangana	2382.81	2387.69	4.88	0.20	79.43	79.59	0.16
	KPTCL	1000.14	1043.78	43.64	4.36	33.34	34.79	1.45
	KSEB	1309.55	1373.96	64.41	4.92	43.65	45.80	2.15
	TNEB	2974.67	3044.22	69.55	2.34	99.16	101.47	2.32
	PONDICHERRY	161.06	154.51	-6.55	-4.07	5.37	5.15	-0.22
ER	Bihar	1848.05	1846	-1.97	-0.11	61.60	61.54	-0.07
	JSEB	361.08	355	-6.32	-1.75	12.04	11.83	-0.21
	DVC	-258.72	-273	-14.74	5.70	-8.62	-9.12	-0.49
	GRIDCO	658.41	675	16.27	2.47	21.95	22.49	0.54
	WBSEB	861.44	855	-6.51	-0.76	28.71	28.50	-0.22
	Sikkim	32.32	28	-3.86	-11.93	1.08	0.95	-0.13
NER	Arunachal Pradesh	48.78	59.50	10.72	21.98	1.63	1.98	0.36
	Assam	464.40	482.19	17.79	3.83	15.48	16.07	0.59
	Manipur	71.07	72.34	1.27	1.79	2.37	2.41	0.04
	MeSEB	129.58	126.03	-3.55	-2.74	4.32	4.20	-0.12
	Mizoram	37.38	41.51	4.13	11.05	1.25	1.38	0.14
	Nagaland	46.40	53.58	7.18	15.47	1.55	1.79	0.24
	Tripura	20.46	27.97	7.51	36.68	0.68	0.93	0.25

12. INTER REGIONAL EXCHANGES 2015-16

	April'15	May'15	June'15	July'15	Aug'15	Sep'15	Oct'15	Nov'15	Fin. Year 2015-16 Till Nov 2015
Name of Line									
Import of NR from WR (WR-NR)									
WR - NR 765 kV Gwalior - Agra D/C	1166.87	1164.39	1284.75	1186.78	1306.76	1677.34	1742.38	1714.87	11244.12
WR-NR 765 kV Gwalior - Phagi D/C					406.85	663.65	613.54	664.81	2348.84
WR - NR HVDC Vindhyachal	67.20	32.23	130.54	111.79	96.42	46.36	75.48	29.58	589.58
WR - NR 400 kV Zerda Kankroli	0.00	0.00	0.00	82.40	0.00	5.09	7.04	0.00	94.54
WR - NR 400 kV Zerda Bhinmal	0.00	1.87	0.00	0.00	0.00	27.25	19.37	3.93	52.42
WR - NR 220 kV Badod - Kota/ Modak	1.05	3.06	2.34	9.69	7.22	7.64	6.16	0.24	37.38
WR - NR 220 kV Auraiya - Malanpur/Mehgaon	1.07	0.00	0.00	1.34	0.00	2.48	0.00	0.00	4.89
WR - NR 400 kV Vindhyachal-Rihand	330.03	339.28	252.08	242.90	337.38	314.28	18.12	0.00	1834.07
WR - NR HVDC Mundra - Mohindergarh	1674.31	1705.73	1708.08	1470.90	1473.88	1668.84	1677.32	1440.79	12819.85
Total WR - NR	3240.52	3246.55	3377.78	3105.80	3628.50	4412.93	4159.41	3854.20	29025.69
Import of NR from ER (ER-NR)									
ER - NR 765 kV Sasaram - Fatehpur	3.99	121.43	35.00	58.99	48.03	31.74	4.49	34.53	303.65
ER - WR 765 kV Gaya - Fatehpur	57.99	62.01	73.50	136.28	134.94	127.24	68.27	114.68	660.23
ER - WR 765 kV Gaya - Balia	16.86	61.19	42.42	44.25	60.92	99.34	69.45	106.27	394.42
ER-NR 400 kV Patna - Balia 2xD/C	156.63	294.16	192.61	191.35	183.30	241.87	209.48	260.48	1729.88
ER - NR 400 kV Muzaffarpur - Gorakhpur D/C	22.81	182.87	185.29	292.00	304.63	293.43	124.43	165.18	1570.64
ER - NR 400 kV Biharshariff - Balia D/C	5.85	75.34	68.43	97.42	101.63	135.15	35.42	78.19	597.42
ER - NR 400 kV Barh - G'pur D/C			157.93	156.20	151.31	158.29	183.25	238.28	1045.26
ER - NR HVDC Sasaram (Bypass)	162.04	77.34	220.42	223.96	260.28	272.08	261.28	115.16	1592.55
ER - NR 220 kV Pusaali - Sahupuri	102.74	123.30	98.01	100.55	100.71	87.52	104.74	87.57	805.15
ER - NR 132 kV Sahupuri - Karamnasa	7.68	4.85	6.66	6.29	7.68	12.48	12.39	13.03	71.06
ER - NR 132 kV Rihand - Son Nagar	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.49
Total ER-NR	536.58	1002.49	1080.28	1307.78	1353.42	1459.13	1073.19	1213.35	9026.22
Import of NR from NER (NER-NR)									
NER-NR HVDC Biswanath Chariali - Agra						2.54	47.99	54.59	105.12
Total NER - NR	0.00	0.00	0.00	0.00	0.00	2.54	47.99	54.59	105.12
Export of NR to WR (NR-WR)									
NR - WR 765 kV Gwalior - Agra D/C	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.14
NR - WR 765 kV Gwalior - Phagi D/C					0.00	0.00	0.00	0.00	0.00
NR - WR HVDC Vindhyachal	94.41	90.93	36.10	64.31	49.48	21.18	120.34	79.88	556.62
NR - WR 400 kV Zerda Kankroli	174.57	155.75	103.03	117.93	117.89	42.27	49.02	73.24	833.70
NR - WR 400 kV Zerda Bhinmal	135.49	107.23	70.40	102.81	100.40	24.06	27.93	19.32	587.64
NR - WR 220 kV Badod - Kota/ Modak	36.54	20.87	14.34	10.96	8.15	16.77	37.97	53.15	198.74
NR - WR 220 kV Auraiya - Malanpur/Mehgaon	29.00	15.48	1.03	17.80	36.20	20.43	53.29	57.46	230.68
NR-WR 400 kV Rihand-Vindhyachal	0.00	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	0.00
Total NR - WR	470.02	390.26	224.89	313.96	312.12	124.71	288.53	283.04	2407.53
Export of NR to ER (NR-ER)									
NR - ER 765 kV Sasaram - Fatehpur	53.29	2.60	20.49	7.44	13.86	9.53	52.09	9.53	168.81
NR - ER 765 kV Gaya - Fatehpur	0.62	0.00	0.37	0.00	0.00	0.00	1.23	0.00	2.22
NR - ER 765 kV Gaya - Balia	1.75	0.61	0.36	3.34	0.00	3.63	0.03	0.00	9.71
NR - ER 400 kV Patna - Balia 2xD/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER 400 kV Muzaffarpur - Gorakhpur D/C	9.19	0.00	0.00	0.00	0.00	0.00	5.22	0.95	15.35
NR - ER 400 kV Biharshariff - Balia D/C	30.97	3.54	4.97	0.00	0.00	1.55	9.08	1.26	51.37
ER - NR 400 kV Barh - G'pur D/C			0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER HVDC Sasaram (Bypass)	12.49	155.54	18.18	5.78	0.00	0.00	0.00	33.07	225.07
NR - ER 220 kV Pusaali - Sahupuri	7.79	0.00	2.95	4.61	4.00	5.39	0.00	0.00	24.74
NR - ER 132 kV Sahupuri - Karamnasa	2.40	0.50	0.96	0.48	0.48	1.44	0.48	0.96	7.70
NR - ER 132 kV Rihand - Son Nagar	22.33	23.85	23.95	16.23	25.28	19.42	18.03	17.86	166.95
Total NR - ER	140.82	186.63	72.23	37.88	43.62	40.95	86.15	63.62	671.91
Export of NR to NER (NER-NR)									
NR-NER HVDC Biswanath Chariali - Agra						1.96	0.00	245.40	247.35
Total NR - NER	0.00	0.00	0.00	0.00	0.00	1.96	0.00	245.40	247.35

Export of WR to ER (WR-ER)									
WR - ER 765 kV Ranchi - Dharamjaygarh	1.94	17.79	10.97	12.35	79.83	96.71	54.65	0.32	274.55
WR - ER 400 kV Sipat - Ranchi D/C	1.94	21.14	60.56	26.05	126.20	176.46	178.43	116.19	706.98
WR - ER 400 kV Raigarh - Sterlite D/C	0.12	0.36	4.48	6.18	71.00	88.77	93.74	40.86	305.50
WR - ER 765 kV Dharamjaygarh - Jharsuguda D/C	7.73	25.18	31.06	32.79	37.11	18.00	0.47	0.00	152.34
WR - ER 400 kV Raigarh - Jharsuguda D/C	0.00	0.00	2.78	6.35	83.20	180.04	243.76	155.47	671.60
WR - ER 220 kV Korba - Budhipadar D/C	0.25	5.70	0.99	4.62	3.23	1.96	1.62	1.10	19.49
WR - ER 220 kV Raigarh - Budhipadar	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82
Total WR - ER	12.80	70.17	110.84	88.34	400.57	561.94	572.67	313.94	2131.27
Import of WR from ER (ER - WR)									
ER - WR 765 kV Ranchi - Dharamjaygarh	2.18	17.23	6.16	17.76	2.08	1.81	18.53	27.51	93.27
ER - WR 400 kV Sipat - Ranchi D/C	2.66	11.84	1.68	5.17	0.00	0.00	0.00	0.00	21.36
ER - WR 400 kV Raigarh - Sterlite D/C	232.49	308.83	244.90	150.11	57.24	131.52	96.60	105.40	1327.09
ER - WR 400 kV Dharamjaygarh - Jharsuguda D/C	63.81	97.48	79.08	41.61	37.07	94.38	255.57	285.74	954.74
ER - WR 400 kV Raigarh - Jharsuguda D/C	28.29	43.07	19.12	56.28	0.26	1.40	0.00	0.00	148.42
ER - WR 220 kV Korba - Budhipadar D/C	24.54	20.37	61.78	43.52	40.39	20.63	13.77	14.91	239.91
ER - WR 220 kV Raigarh - Budhipadar	73.09	54.74	0.00	18.17	83.28	69.91	77.28	71.61	448.07
Total ER - WR	427.06	553.56	412.72	332.63	220.33	319.65	461.75	505.17	3232.86
Export of ER to NER									
ER - NER 400 kV Binaguri - Bongaigaon 2xD/C	206.56	212.27	54.30	0.33	5.24	9.12	96.72	49.33	633.86
ER - NER 220 kV Birpara - Salakati D/C	29.33	52.31	39.44	35.76	39.66	41.51	49.72	7.63	295.37
Total ER - NER	235.90	264.59	93.74	36.09	44.90	50.63	146.44	56.96	929.23
Import of ER from NER (NER - ER)									
NER - ER 400 kV Binaguri - Bongaigaon 2xD/C	0.00	0.00	46.09	116.25	188.28	171.37	34.22	132.31	688.52
NER - ER 220 kV Birpara - Salakati D/C	0.00	0.00	0.10	2.12	0.92	0.00	0.18	10.09	13.41
Total NER - ER	0.00	0.00	46.19	118.37	189.20	171.37	34.40	142.39	701.93
Export of ER to SR (ER - SR)									
ER - SR HVDC Gazuwaka	443.51	469.85	441.50	526.03	500.04	486.72	519.36	452.31	3839.33
ER - SR HVDC Talchar - Kolar	1360.36	1428.22	1193.46	1441.16	1443.65	1359.19	1482.82	1336.36	11045.22
Total ER - SR	1803.87	1898.08	1634.95	1967.19	1943.69	1845.92	2002.19	1788.67	14884.55
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	0.00
SR - ER HVDC Talchar - Kolar	0.00	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	0.00
Export of WR to SR (WR-SR)									
WR - SR HVDC Bhadravati	708.30	709.31	695.57	715.62	710.55	690.39	727.48	649.77	5606.98
WR - SR 765 kV Sholapur - Raichur	263.68	315.71	304.74	343.65	308.18	249.03	740.02	757.35	3282.35
WR - SR 400KV Kolhapur-Kudgi D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-25.15	-25.15
Total WR - SR	971.98	1025.03	1000.31	1059.27	1018.72	939.42	1467.49	1381.96	8864.17
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	0.00
SR - WR 765 kV Raichur - Sholapur	17.71	10.54	11.13	7.96	11.62	19.97	6.01	-3.68	81.26
SR - WR 400KV Kolhapur-Kudgi D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total SR - WR	17.71	10.54	11.13	7.96	11.62	19.97	6.01	-3.68	81.26
TOTAL ALL INDIA	7857	8648	8065	8375	9167	9951	10346	9900	72309.11

12.1 Import of NR from WR & ER during October 2015

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 Gwallior - Agra D/C	WR-NR 765 kV Gwallior- Phagi D/C	WR - NR HVDC V'chal	WR - NR 400 kV Zerdakankroli	WR - NR 400 kV Zerdak-Bhinmal	WR - NR 220 kV Badod - Kota / Modak	WR - NR 220 kV Auraiya - Malanpur / Mehaon	WR-NR 400 KV Rihand Vindhayachal	WR - NR HVDC Mundra - M'garh	Total WR - NR	ER - NR 765 kV Sasaram - Fatehpur	ER - NR 765 kV Gaya - Fatehpur	ER - NR 765 kV Gaya Balla	ER-NR 400 kV Patna - Ballia 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 HVDC Sasaram (Bypass)	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-Nov-15	47.66	17.93	0.00	0.00	0.00	0.24	0.00	0.00	41.09	106.91	0.00	0.36	3.60	9.98	0.00	0.00	8.80	1.28	2.73	0.48	0.00	27.23	18.95	18.95
2-Nov-15	50.85	20.12	0.00	0.00	0.00	0.00	0.00	0.00	42.23	113.19	0.00	2.07	2.31	8.75	0.00	0.00	8.89	1.30	2.83	0.48	0.00	26.64	18.16	18.16
3-Nov-15	53.66	18.47	0.00	0.00	0.00	0.00	0.00	0.00	50.81	122.95	0.00	2.24	1.38	11.36	0.00	0.51	9.01	1.22	2.52	0.48	0.00	28.71	15.59	15.59
4-Nov-15	48.77	20.72	0.00	0.00	0.00	0.00	0.00	0.00	50.57	120.05	1.01	3.86	1.55	11.49	3.85	2.44	9.40	1.28	4.00	0.48	0.00	39.36	1.90	1.90
5-Nov-15	56.52	21.10	0.98	0.00	0.00	0.00	0.00	0.00	46.87	125.46	0.34	4.57	3.63	10.62	8.17	3.63	9.30	1.29	2.69	0.48	0.00	44.73	0.00	0.00
6-Nov-15	59.03	20.79	0.00	0.00	0.00	0.00	0.00	0.00	52.01	131.83	0.68	5.34	3.98	9.32	8.16	3.31	8.07	1.28	2.58	0.00	0.00	42.72	0.00	0.00
7-Nov-15	60.85	21.17	1.66	0.00	0.00	0.00	0.00	0.00	52.14	135.83	1.61	4.36	3.46	6.66	7.87	1.99	8.08	1.27	2.64	0.48	0.00	38.41	0.00	0.00
8-Nov-15	60.15	21.49	2.03	0.00	0.00	0.00	0.00	0.00	51.94	135.61	0.72	3.48	3.33	6.04	6.65	1.08	7.69	1.27	2.58	2.47	0.00	35.29	0.00	0.00
9-Nov-15	60.76	22.01	1.66	0.00	0.00	0.00	0.00	0.00	52.89	137.32	2.29	4.84	3.52	8.55	6.22	2.85	7.69	1.29	2.96	0.48	0.00	40.69	0.00	0.00
10-Nov-15	59.87	19.91	2.47	0.00	0.00	0.00	0.00	0.00	48.02	130.27	2.27	4.31	4.05	8.74	6.76	3.21	7.60	1.18	2.99	0.48	0.00	41.60	0.00	0.00
11-Nov-15	51.42	18.81	2.33	0.00	0.00	0.00	0.00	0.00	42.44	115.00	0.51	2.70	3.44	7.88	5.70	2.60	7.19	1.26	3.22	0.00	0.00	34.51	0.00	0.00
12-Nov-15	44.93	11.13	0.00	0.00	0.00	0.00	0.00	0.00	36.81	92.86	0.00	1.06	3.40	6.79	3.26	1.79	6.43	1.28	3.34	0.96	0.00	28.31	0.00	0.00
13-Nov-15	49.11	22.80	0.00	0.00	0.00	0.00	0.00	0.00	46.33	118.24	0.19	2.43	3.51	6.00	4.53	2.54	6.61	1.27	3.05	0.48	0.00	30.62	0.00	0.00
14-Nov-15	55.94	23.47	0.00	0.00	0.00	0.00	0.00	0.00	48.34	127.75	0.00	0.00	4.11	7.10	6.43	3.08	7.61	1.29	2.84	0.48	0.00	32.93	0.00	0.00
15-Nov-15	59.58	25.21	0.00	0.00	0.34	0.00	0.00	0.00	40.95	126.08	0.32	3.57	4.38	8.52	6.39	2.63	7.94	4.85	2.80	0.00	0.00	41.41	0.00	0.00
16-Nov-15	56.55	23.79	0.66	0.00	0.00	0.00	0.00	0.00	45.99	126.98	0.00	3.68	3.64	8.32	5.85	1.91	7.27	8.65	3.13	0.00	0.00	42.45	0.00	0.00
17-Nov-15	57.30	22.04	0.96	0.00	1.49	0.00	0.00	0.00	48.35	130.14	0.00	3.77	3.37	0.00	4.63	7.78	7.19	8.61	3.01	0.00	0.00	38.36	0.00	0.00
18-Nov-15	63.39	24.99	1.07	0.00	1.17	0.00	0.00	0.00	52.97	143.58	0.00	3.83	4.19	8.67	4.49	1.70	7.94	8.42	3.20	0.00	0.00	42.44	0.00	0.00
19-Nov-15	59.33	22.98	1.07	0.00	0.15	0.00	0.00	0.00	57.38	140.91	0.13	4.13	3.79	9.27	5.81	1.95	7.72	8.57	2.88	0.48	0.00	44.71	0.00	0.00
20-Nov-15	59.03	26.14	0.96	0.00	0.05	0.00	0.00	0.00	59.43	145.61	0.00	3.73	3.33	9.27	4.55	1.63	7.87	8.86	2.62	0.00	0.00	41.86	0.00	0.00
21-Nov-15	55.82	26.55	0.00	0.00	0.07	0.00	0.00	0.00	50.76	133.20	0.30	4.34	3.28	9.13	5.25	1.80	7.37	8.55	2.66	0.48	0.00	43.15	0.00	0.00
22-Nov-15	54.98	23.52	0.00	0.00	0.00	0.00	0.00	0.00	47.83	126.32	0.00	3.99	3.53	8.70	5.71	1.96	7.45	8.48	2.84	0.00	0.00	42.65	0.00	0.00
23-Nov-15	56.38	23.47	0.00	0.00	0.43	0.00	0.00	0.00	45.35	125.63	0.52	4.67	3.07	8.31	5.47	1.45	7.49	8.54	2.80	0.00	0.00	42.32	0.00	0.00
24-Nov-15	56.06	19.21	2.03	0.00	0.00	0.00	0.00	0.00	52.18	129.47	1.38	4.56	3.57	9.45	5.72	2.63	7.28	4.98	3.27	0.48	0.00	43.32	0.00	0.00
25-Nov-15	59.34	21.40	0.77	0.00	0.00	0.00	0.00	0.00	51.13	132.64	4.68	5.39	4.13	9.80	8.21	4.41	7.93	10.69	2.85	0.96	0.00	59.05	0.00	0.00
26-Nov-15	63.32	25.47	0.37	0.00	0.00	0.00	0.00	0.00	57.41	146.57	5.38	5.67	4.87	10.94	7.17	4.87	8.11	0.00	3.04	0.48	0.00	50.53	0.00	0.00
27-Nov-15	64.57	21.71	1.22	0.00	0.00	0.00	0.00	0.00	60.43	147.91	5.80	5.79	4.78	10.84	7.64	4.94	8.04	0.00	2.78	0.96	0.00	51.56	0.00	0.00
28-Nov-15	62.78	23.12	5.04	0.00	0.16	0.00	0.00	0.00	40.52	131.61	4.80	5.87	4.20	10.19	6.96	4.04	9.08	0.56	2.81	0.48	0.00	48.97	0.00	0.00
29-Nov-15	60.04	25.83	1.29	0.00	0.04	0.00	0.00	0.00	33.54	120.73	0.00	5.48	3.54	10.44	7.16	3.09	8.79	2.46	3.19	0.48	0.00	44.62	0.00	0.00
30-Nov-15	66.92	29.49	3.02	0.00	0.02	0.00	0.00	0.00	34.09	133.54	1.59	4.59	3.30	9.36	6.57	2.39	8.44	5.20	2.74	0.00	0.00	44.18	0.00	0.00
Total	1714.87	664.81	29.58	0.00	3.93	0.24	0.00	0.00	1440.79	3854.20	34.53	114.68	106.27	260.48	165.18	78.19	238.28	115.16	87.57	13.03	0.00	1213.35	54.59	54.59

12.2 Export of NR to WR & ER during October 2015																								
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 Zerdakankroti	WR - NR 400 kV Zerdakankroti	WR - NR 220 kV Badod - Kota / Modak	WR - NR 220 kV Auraiya - Malanpur / Mehgaon	WR-NR 400 kV Rihand-Vindhyachal	WR - NR HVDC Mundra - Migarh	Total NR - WR	ER - NR 765 kV Sasaram - Fatehpur	ER - NR 765 kV Gaya - Fatehpur	ER - NR 765 kV Gaya - Ballia	ER-NR 400 kV Patna - Ballia 2x2/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 HVDC Sasaram (Byepass)	ER - NR 220 kV Pusauli - Sahupuri	ER - NR 132 kV Sahupuri - K'nasa	ER - NR 132 kV Rihand - Son Nagar	Total NR - ER	NER-NR HVDC Biswanath Chariali - Agra	Total NR-NER
1-Nov-15	0.00	0.00	6.10	4.98	2.04	0.00	1.69	0.00	0.00	14.81	2.17	0.00	0.00	0.00	0.06	0.16	0.00	0.00	0.00	0.00	0.62	3.01	0.00	0.00
2-Nov-15	0.00	0.00	6.07	1.00	1.43	1.78	1.69	0.00	0.00	11.97	0.86	0.00	0.00	0.00	0.66	1.09	0.00	0.00	0.00	0.00	0.57	3.18	0.00	0.00
3-Nov-15	0.00	0.00	5.72	2.68	1.08	2.11	1.60	0.00	0.00	13.19	1.17	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.62	2.02	0.00	0.00
4-Nov-15	0.00	0.00	4.40	2.31	0.95	1.84	1.69	0.00	0.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00
5-Nov-15	0.00	0.00	2.88	3.21	0.00	2.06	1.48	0.00	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	9.72	9.72
6-Nov-15	0.00	0.00	3.17	4.06	0.00	1.79	1.32	0.00	0.00	10.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.57	1.05	9.62	9.62
7-Nov-15	0.00	0.00	0.31	1.80	0.23	1.03	1.56	0.00	0.00	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	9.71	9.71
8-Nov-15	0.00	0.00	0.79	3.19	1.99	1.87	1.70	0.00	0.00	9.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	6.69	6.69
9-Nov-15	0.00	0.00	0.00	2.20	0.94	1.70	1.70	0.00	0.00	6.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.57	9.65	9.65
10-Nov-15	0.00	0.00	0.00	2.09	0.70	1.04	1.99	0.00	0.00	5.82	0.00	0.00	0.00	0.00	0.00	0.00	4.22	0.00	0.00	0.00	0.59	4.81	9.56	9.56
11-Nov-15	0.00	0.00	-0.37	2.79	1.30	1.92	2.17	0.00	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-9.68	-9.68
12-Nov-15	0.00	0.00	1.60	3.70	1.95	1.77	2.39	0.00	0.00	11.42	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	1.78	4.19	4.19
13-Nov-15	0.00	0.00	5.96	3.39	1.46	1.25	2.41	0.00	0.00	14.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	6.45	6.45
14-Nov-15	0.00	0.00	6.78	2.94	0.38	2.21	2.25	0.00	0.00	14.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56	9.96	9.96
15-Nov-15	0.00	0.00	3.46	1.98	0.00	2.61	2.24	0.00	0.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	8.41	8.41
16-Nov-15	0.00	0.00	2.75	1.52	0.35	2.73	2.31	0.00	0.00	9.65	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.92	11.73	11.73
17-Nov-15	0.00	0.00	1.21	1.19	0.00	2.11	2.35	0.00	0.00	6.87	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	1.01	12.00	12.00
18-Nov-15	0.00	0.00	1.28	1.31	0.00	1.35	1.97	0.00	0.00	5.91	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.10	11.26	11.26
19-Nov-15	0.00	0.00	0.14	2.48	0.00	1.39	2.13	0.00	0.00	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	12.37	12.37
20-Nov-15	0.00	0.00	2.14	2.32	0.00	1.77	2.24	0.00	0.00	8.46	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.81	11.69	11.69
21-Nov-15	0.00	0.00	3.82	1.81	0.00	1.75	2.53	0.00	0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	12.16	12.16
22-Nov-15	0.00	0.00	5.02	2.56	0.71	2.76	2.39	0.00	0.00	13.44	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.66	12.07	12.07
23-Nov-15	0.00	0.00	3.68	1.76	0.00	2.66	2.31	0.00	0.00	10.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.57	12.25	12.25
24-Nov-15	0.00	0.00	1.65	3.15	1.26	2.92	2.30	0.00	0.00	11.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	11.94	11.94
25-Nov-15	0.00	0.00	4.64	2.74	0.75	2.22	1.85	0.00	0.00	12.20	0.00	0.00	0.00	0.00	0.00	0.00	7.03	0.00	0.00	0.00	0.60	7.63	11.27	11.27
26-Nov-15	0.00	0.00	3.06	2.95	1.53	2.26	1.54	0.00	0.00	11.34	0.00	0.00	0.00	0.00	0.00	0.00	7.44	0.00	0.00	0.63	8.07	11.79	11.79	
27-Nov-15	0.00	0.00	0.88	2.06	0.25	0.80	1.62	0.00	0.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00	8.66	0.00	0.00	0.84	9.50	12.11	12.11	
28-Nov-15	0.00	0.00	0.00	1.55	0.00	0.10	1.38	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	5.73	0.00	0.00	0.75	6.48	9.07	9.07	
29-Nov-15	0.00	0.00	0.12	1.75	0.00	1.48	1.54	0.00	0.00	4.90	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	3.40	12.11	12.11	
30-Nov-15	0.00	0.00	2.61	1.75	0.00	1.92	1.12	0.00	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.69	1.17	7.30	7.30
Total	0.00	0.00	79.88	73.24	19.32	53.15	57.46	0.00	0.00	283.04	9.53	0.00	0.00	0.00	0.95	1.26	0.00	33.07	0.00	0.96	17.86	63.62	245.40	245.40

Date	12.3 Import - Export of ER with WR & NER during October 2015																													
	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 Dharamjygarh - Ranchi D/C	WR - ER 400 kV Sipat - Ranchi D/C	WR - ER 400 kV Raigarh - Sterlite	WR - ER 765 kV Dharamjygarh - Jharsuguda	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 Dharamjygarh - Ranchi D/C	ER - WR 400 kV Sipat - Ranchi D/C	ER - WR 400 kV Raigarh - Sterlite	ER_WR 765 kV Dharamjygarh - Jharsuguda	ER_WR 400 kV Raigarh - IND Bharat	ER - WR 400 kV Raigarh - Rourkela	ER - WR 220 kV Korba - Budhipadar D/C	ER - WR 220 kV Raigarh - Budhipadar	Total ER - WR	ER - NER 132 kV Geylegghu - Salakati	ER - NER 132 kV Deothan g-Rangia	ER - NER 400 kV Binaguri - Bongaigaon 2x2D/C	ER - NER 220 kV Birpara - Salakati D/C	Total ER - NER	ER - NER 132 kV Geylegghu - Salakati	ER - NER 132 kV Deothan g-Rangia	NER - ER 400 kV Binaguri - Bongaigaon 2x2D/C	NER - ER 220 kV Birpara - Salakati D/C	Total NER - ER	
1-Nov-15	0.2	5.4	0.0	0.0	1.9	1.4	2.6	0.3	0.00	11.83	0.0	0.0	3.4	8.5	0.0	0.0	0.0	2.3	14.16	0.44	0.57	16.40	2.35	19.76	0.00	0.00	0.00	0.00	0.00	
2-Nov-15	0.0	4.1	0.0	0.0	1.6	0.5	2.2	0.4	0.00	8.76	1.0	0.0	4.2	9.1	0.0	0.0	0.0	2.1	16.44	0.34	0.58	17.32	2.52	20.76	0.00	0.00	0.00	0.00	0.00	
3-Nov-15	0.0	3.6	0.0	0.0	1.1	0.0	1.5	0.0	0.00	6.20	1.2	0.0	5.0	9.7	0.0	0.0	0.0	0.6	19.46	0.40	0.56	15.19	1.90	18.05	0.00	0.00	0.00	0.00	0.00	
4-Nov-15	0.0	3.7	0.0	0.0	1.4	0.6	1.9	0.0	0.00	7.52	1.3	0.0	4.3	11.9	0.0	0.0	0.0	0.4	20.54	0.53	0.52	0.42	0.30	1.76	0.00	0.00	0.00	0.00	0.00	
5-Nov-15	0.0	4.1	0.0	0.0	1.3	0.4	1.7	0.0	0.00	7.40	1.2	0.0	4.3	12.2	0.0	0.0	0.0	0.8	21.76	0.61	0.47	0.00	0.00	1.08	0.00	0.00	9.37	0.96	10.33	
6-Nov-15	0.0	2.9	0.0	0.0	2.2	1.1	3.1	0.0	0.00	9.35	1.1	0.0	4.0	14.9	0.0	0.0	0.0	1.2	24.29	0.65	0.58	0.00	0.00	1.23	0.00	0.00	8.73	0.85	9.58	
7-Nov-15	0.0	4.4	0.0	0.0	2.7	1.6	3.9	0.0	0.00	12.65	0.9	0.0	3.6	16.3	0.0	0.0	0.0	1.1	27.63	0.07	0.37	0.00	0.00	0.44	0.00	0.00	6.17	0.04	6.21	
8-Nov-15	0.0	4.8	0.0	0.0	2.2	1.2	3.1	0.0	0.00	11.36	0.9	0.0	3.6	12.6	0.0	0.0	0.0	0.3	2.6	19.97	0.00	0.19	0.00	0.00	0.19	0.32	0.00	5.27	0.01	5.60
9-Nov-15	0.0	5.1	0.0	0.0	1.8	1.0	2.6	0.0	0.00	10.49	0.4	0.0	4.1	11.8	0.0	0.0	0.0	0.1	2.4	18.87	0.00	0.20	0.00	0.00	0.20	0.28	0.00	7.52	0.43	8.23
10-Nov-15	0.0	4.3	0.0	0.0	1.1	0.1	1.5	0.0	0.00	7.02	1.5	0.0	4.8	13.3	0.0	0.0	0.0	0.6	3.1	23.28	0.00	0.20	0.00	0.00	0.20	0.28	0.00	5.60	0.26	6.14
11-Nov-15	0.0	5.1	0.0	0.0	1.5	0.8	2.1	0.0	0.00	9.52	0.8	0.0	3.7	6.8	0.0	0.0	0.0	0.6	3.4	15.25	0.00	0.15	0.00	0.00	0.15	0.27	0.00	6.54	0.24	7.04
12-Nov-15	0.1	5.6	0.0	0.0	1.6	1.3	2.3	0.5	0.00	11.32	0.0	0.0	2.8	5.1	0.0	0.0	0.0	0.0	2.7	10.57	0.00	0.12	0.00	0.33	0.46	0.35	0.00	2.26	0.00	2.61
13-Nov-15	0.0	5.6	0.0	0.0	1.8	1.3	2.4	0.0	0.00	11.08	0.3	0.0	3.3	6.3	0.0	0.0	0.0	0.2	2.7	12.83	0.00	0.16	0.00	0.06	0.22	0.40	0.00	3.10	0.00	3.51
14-Nov-15	0.0	5.6	0.0	0.0	2.2	1.6	3.1	0.0	0.00	12.51	0.4	0.0	3.3	7.7	0.0	0.0	0.0	0.4	2.5	14.28	0.00	0.11	0.00	0.00	0.11	0.38	0.00	4.38	0.20	4.96
15-Nov-15	0.0	5.4	0.0	0.0	2.5	1.9	3.6	0.0	0.00	13.39	0.1	0.0	1.5	6.8	0.0	0.0	0.0	0.5	2.4	11.30	0.00	0.12	0.00	0.00	0.12	0.35	0.00	3.86	0.14	4.35
16-Nov-15	0.0	3.6	0.0	0.0	2.2	1.4	3.0	0.0	0.00	10.19	0.9	0.0	3.6	8.4	0.0	0.0	0.0	0.7	2.7	16.30	0.00	0.16	0.00	0.00	0.16	0.11	0.00	6.87	0.84	7.82
17-Nov-15	0.0	2.6	0.0	0.0	1.2	0.5	1.7	0.0	0.00	6.01	0.7	0.0	4.6	10.4	0.0	0.0	0.0	0.7	2.8	19.26	0.00	0.16	0.00	0.00	0.16	0.23	0.00	5.18	0.47	5.88
18-Nov-15	0.0	3.1	0.0	0.0	2.2	1.6	3.1	0.0	0.00	10.00	0.2	0.0	4.0	10.6	0.0	0.0	0.0	0.4	2.0	17.11	0.00	0.09	0.00	0.00	0.09	0.41	0.00	3.31	0.05	3.77
19-Nov-15	0.0	2.6	0.0	0.0	2.3	1.5	3.2	0.0	0.00	9.49	0.9	0.0	3.4	11.3	0.0	0.0	0.0	0.5	2.1	18.16	0.00	0.04	0.00	0.00	0.04	0.38	0.00	5.19	0.08	5.65
20-Nov-15	0.0	2.4	0.0	0.0	2.4	1.7	3.3	0.0	0.00	9.78	0.7	0.0	3.7	7.6	0.0	0.0	0.0	0.4	1.8	14.21	0.00	0.01	0.00	0.00	0.01	0.37	0.00	5.40	0.29	6.06
21-Nov-15	0.0	2.9	0.0	0.0	2.8	2.2	3.9	0.0	0.00	11.86	0.4	0.0	3.1	5.1	0.0	0.0	0.0	0.3	1.9	10.75	0.00	0.08	0.00	0.00	0.08	0.40	0.00	4.53	0.18	5.11
22-Nov-15	0.0	2.9	0.0	0.0	2.5	1.9	3.6	0.0	0.00	10.98	0.3	0.0	3.0	6.7	0.0	0.0	0.0	0.1	1.7	11.87	0.00	0.01	0.00	0.00	0.01	0.32	0.00	6.16	0.30	6.79
23-Nov-15	0.0	2.4	0.0	0.0	2.6	2.0	3.8	0.0	0.00	10.81	0.9	0.0	3.2	8.4	0.0	0.0	0.0	0.5	1.8	14.77	0.00	0.00	0.00	0.00	0.00	0.31	0.00	6.65	0.56	7.51
24-Nov-15	0.0	1.9	0.0	0.0	2.2	1.4	3.1	0.0	0.00	8.59	2.0	0.0	3.9	9.7	0.0	0.0	0.0	1.1	2.3	19.01	0.00	0.01	0.00	0.00	0.01	0.29	0.00	5.85	0.84	6.97
25-Nov-15	0.0	2.5	0.0	0.0	3.0	1.9	4.3	0.0	0.00	11.72	2.1	0.0	3.2	10.5	0.0	0.0	0.0	0.8	2.1	18.72	0.00	0.01	0.00	0.00	0.01	0.27	0.00	5.07	0.67	6.00
26-Nov-15	0.0	3.4	0.0	0.0	2.5	1.5	3.5	0.0	0.00	10.98	1.5	0.0	3.6	9.6	0.0	0.0	0.0	1.0	2.2	17.96	0.00	0.10	0.00	0.00	0.10	0.31	0.00	3.89	0.62	4.82
27-Nov-15	0.0	3.2	0.0	0.0	2.4	1.4	3.3	0.0	0.00	10.30	1.7	0.0	4.0	8.8	0.0	0.0	0.0	0.7	2.2	17.39	0.00	0.06	0.00	0.00	0.06	0.40	0.00	4.12	0.64	5.16
28-Nov-15	0.0	4.3	0.0	0.0	3.0	2.0	4.2	0.0	0.00	13.53	1.9	0.0	3.4	7.3	0.0	0.0	0.0	0.4	1.9	14.92	0.00	0.00	0.00	0.16	0.16	0.38	0.00	1.91	0.00	2.28
29-Nov-15	0.0	4.1	0.0	0.0	3.7	2.9	5.3	0.0	0.00	15.96	0.8	0.0	1.0	8.1	0.0	0.0	0.0	0.5	1.6	12.10	0.00	0.01	0.00	0.00	0.01	0.37	0.00	4.75	0.86	5.99
30-Nov-15	0.0	4.8	0.0	0.0	2.7	2.0	3.9	0.0	0.00	13.33	1.3	0.0	1.8	10.2	0.0	0.0	0.0	0.1	1.6	14.99	0.00	0.09	0.00	0.00	0.09	0.36	0.00	0.63	0.57	1.55
Total	0.32	116.19	0.00	0.00	64.80	40.86	90.67	1.10	0.00	313.94	27.51	0.00	105.40	285.74	0.00	0.00	0.00	14.91	71.61	505.17	3.04	5.73	49.33	7.63	65.73	7.54	0.00	132.31	10.09	149.93

Date	12.4 Import and Export of SR with ER & WR during October 2015													
	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-Nov-15	15.5	44.2	59.65	0.00	0.00	0.00	23.31	21.39	0.00	44.70	0.00	-0.02	0.00	-0.02
2-Nov-15	12.6	46.7	59.27	0.00	0.00	0.00	23.81	28.09	0.00	51.90	0.00	0.00	0.00	0.00
3-Nov-15	12.5	48.9	61.34	0.00	0.00	0.00	23.76	24.74	0.00	48.50	0.00	0.00	0.00	0.00
4-Nov-15	17.1	46.5	63.63	0.00	0.00	0.00	23.79	27.54	0.00	51.32	0.00	0.00	0.00	0.00
5-Nov-15	16.5	46.2	62.63	0.00	0.00	0.00	23.80	22.70	0.00	46.50	0.00	0.00	0.00	0.00
6-Nov-15	16.2	46.3	62.53	0.00	0.00	0.00	23.77	20.10	0.00	43.87	0.00	-0.08	0.00	-0.08
7-Nov-15	16.9	44.5	61.48	0.00	0.00	0.00	23.77	27.73	0.00	51.50	0.00	0.00	0.00	0.00
8-Nov-15	17.0	41.5	58.54	0.00	0.00	0.00	23.83	19.03	0.00	42.85	0.00	0.00	0.00	0.00
9-Nov-15	14.9	42.1	57.03	0.00	0.00	0.00	23.75	18.52	0.00	42.27	0.00	-0.75	0.00	-0.75
10-Nov-15	14.5	41.6	56.01	0.00	0.00	0.00	23.22	19.56	0.00	42.79	0.00	-0.03	0.00	-0.03
11-Nov-15	16.1	41.9	57.98	0.00	0.00	0.00	19.77	32.50	0.00	52.27	0.00	0.00	0.00	0.00
12-Nov-15	14.9	44.5	59.36	0.00	0.00	0.00	23.16	28.19	0.00	51.35	0.00	0.00	0.00	0.00
13-Nov-15	14.0	46.5	60.50	0.00	0.00	0.00	16.41	28.93	0.00	45.34	0.00	0.00	0.00	0.00
14-Nov-15	14.5	48.0	62.44	0.00	0.00	0.00	21.02	28.01	0.00	49.02	0.00	-0.11	0.00	-0.11
15-Nov-15	14.5	45.2	59.70	0.00	0.00	0.00	23.91	17.67	0.00	41.58	0.00	-0.93	0.00	-0.93
16-Nov-15	15.3	45.0	60.35	0.00	0.00	0.00	23.90	26.33	0.00	50.23	0.00	-0.64	0.00	-0.64
17-Nov-15	15.4	41.3	56.73	0.00	0.00	0.00	22.23	20.06	0.00	42.28	0.00	0.00	0.00	0.00
18-Nov-15	14.5	41.5	56.04	0.00	0.00	0.00	18.66	25.67	0.00	44.33	0.00	0.00	0.00	0.00
19-Nov-15	12.6	44.8	57.46	0.00	0.00	0.00	20.26	25.82	0.00	46.08	0.00	0.00	0.00	0.00
20-Nov-15	13.2	44.4	57.58	0.00	0.00	0.00	21.35	22.61	0.00	43.96	0.00	0.00	0.00	0.00
21-Nov-15	14.5	44.3	58.85	0.00	0.00	0.00	23.79	20.44	-4.05	44.23	0.00	-0.77	0.00	-0.77
22-Nov-15	15.8	43.3	59.12	0.00	0.00	0.00	22.11	15.74	-5.31	37.85	0.00	-0.02	0.00	-0.02
23-Nov-15	16.7	43.3	59.97	0.00	0.00	0.00	21.26	28.18	-2.76	49.44	0.00	0.00	0.00	0.00
24-Nov-15	14.5	42.0	56.45	0.00	0.00	0.00	22.93	29.02	-3.15	51.95	0.00	0.00	0.00	0.00
25-Nov-15	15.4	44.4	59.79	0.00	0.00	0.00	21.76	33.80	-2.62	55.56	0.00	0.00	0.00	0.00
26-Nov-15	15.1	44.7	59.73	0.00	0.00	0.00	14.17	35.86	-1.48	50.04	0.00	0.00	0.00	0.00
27-Nov-15	15.7	48.6	64.23	0.00	0.00	0.00	11.99	31.92	-1.86	43.91	0.00	0.00	0.00	0.00
28-Nov-15	16.6	47.9	64.45	0.00	0.00	0.00	18.25	28.78	2.23	47.03	0.00	-0.11	0.00	-0.11
29-Nov-15	17.4	41.9	59.36	0.00	0.00	0.00	23.74	23.03	-2.90	46.77	0.00	-0.15	0.00	-0.15
30-Nov-15	12.1	44.4	56.47	0.00	0.00	0.00	22.29	25.40	-3.25	47.69	0.00	-0.05	0.00	-0.05
Total	452.31	1336.36	1788.67	0.00	0.00	0.00	649.77	757.35	-25.15	1407.11	0.00	-3.68	0.00	-3.68

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

अप्रैल 2015 से नवम्बर 2015 April 2015 to November 2015

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

Transnational

माह MONTH	भूटान BHUTAN	नेपाल NEPAL	बांग्लादेश BANGLADESH
	Energy Exchange (In MU)	Energy Exchange (In MU)	Energy Exchange (In MU)
अप्रैल 2015 APR'15	243.70	-120.56	-303.01
मई 2015 MAY'15	449.85	-98.12	-334.82
जून 2015 JUN'15	676.37	-109.91	-317.91
जुलाई 2015 JUL'15	1010.50	-120.50	-312.40
अगस्त 2015 AUG'15	1034.10	-115.00	-324.60
सितम्बर 2015 SEP'15	993.00	-95.90	-317.40
अक्टूबर 2015 OCT'15	600.03	-68.22	-333.73
नवम्बर 2015 Nov'15	263.43	-93.42	-274.19
कुल Total	5270.97	-821.63	-2518.06

**14. एसटीओए (द्विपक्षीय एवं सामूहिक) एवं डी एस एम बिलिंग का ब्योरा – माह नवम्बर 2015
STOA (BILATERAL AND COLLECTIVE) & DSM BILLING DETAILS- Nov 2015**

द्विपक्षीय एसटीओए BILATERAL SHORT TERM OPEN ACCESS

नवम्बर 2015 Nov 2015			April'15 - Nov'15	
क्षे.आ.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	239	1358	3291	15157
प.क्षे. WR	321	1686	2264	6958
द.क्षे. SR	353	1092	2753	14092
पू.क्षे. ER	131	710	1444	7162
पूर्वोत्तर क्षे. NER	28	107	161	878
कुल TOTAL	1072	4953	9913	44246

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 2015 APR'15	2495	2493	1134	4029
मई 2015 May'15	2547	2913	1314	4481
जून 2015 June'15	2453	2468	1172	6440
जुलाई 2015 July '15	2536	2535	1011	6752
अगस्त 2015 Aug '15	2592	2776	1380	6902
सितंबर 2015 Sep '15	2586	3195	1461	5976
अक्टूबर 2015 Oct '15	2659	3253	1369	4714
नवम्बर 2015 Nov'15	2487	2728	1072	4953
कुल TOTAL	20355	22361	9913	44247

मासिक डी एस एम बिलिंग का ब्योरा 2015-16
MONTHLY DSM BILLING DETAILS 2015-16

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
26.10.15-01.11.15	40.68	29.02	21.10	37.87	*
02.11.15-08.11.15	50.38	43.47	17.01	31.61	*
09.11.15-15.11.15	45.96	35.65	18.36	22.82	*
16.11.15-22.11.15	56.39	42.84	37.95	24.09	*
23.11.15-29.11.15	49.30	40.72	12.44	18.78	*

*NERPC website not accessible for data.

15. पावर मार्केट की सूचना (स्रोत : आई.ई.एक्स. एवं पी.एक्स.आई.एल.)
POWER MARKET INFORMATION (Source IEX & PXIL)
पावर एक्स्चेंज के माध्यम से विनिमय - माह नवम्बर 2014
EXCHANGES THROUGH POWER EXCHANGES - November 2015

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्स्चेंज के माध्यम से (मि.यु. मे) Through Power Exchange in MU	
			विक्रय Sale	क्रय Purchase
1	पंजाब Punjab	उत्तरी क्षेत्र NR	0.00	179.63
2	हरियाणा Haryana		76.82	191.91
3	राजस्थान Rajasthan		37.45	488.80
4	दिल्ली Delhi		15.38	210.95
5	उत्तर प्रदेश Uttar Pradesh		0.00	6.59
6	उत्तराखण्ड Uttarakhand		4.23	142.06
7	हिमाचल प्रदेश Himachal Pradesh		113.50	44.03
8	जम्मू और कश्मीर J & K		42.25	0.78
9	केंद्र शासित चंडीगढ़ UT Chandigarh		8.54	0.45
10	ए डी हाइड्रो AD Hydro		19.62	0.00
11	करचम वांगतू KW		91.21	0.00
12	श्री सीमेंट Shree Cement		33.00	0.00
13	नाथपा झाकरी Nathpa Jhakri		6.38	0.00
14	बैरासूल Baira Siul HEP(BSO)		0.54	0.00
15	चमेरा -1 Chamera-I HEP(CM1)		1.05	0.00
16	चमेरा -2 Chamera-II HEP(CM2)		1.63	0.00
17	धौलीगंगा Dhauliganga HEP(DGO)		1.16	0.00
18	दुलहस्ती Dulahasti HEP(DUO)		0.00	0.00
19	सलाल Salal HEP(SLO)		4.25	0.00
20	सेवा -2 Sewa-II NHPC(SW2)		0.61	0.00
21	टनकपुर Tanakpur HEP(TPO)		0.59	0.00
22	उरी Uri HEP(URO)		7.71	0.00
23	लांको बुधिल LANCO Budhil		7.52	0.00
24	चमेरा-3 chamera 3		0.95	0.00
25	अदानी एचवीडीसी ADANI HVDC(NORGUO)		0.00	0.00
26	मलाना MALANA		0.51	0.00
27	उरी-II Uri-II HEP(UR2)		0.00	0.00
28	मध्य प्रदेश MP	पश्चिमी क्षेत्र WR	34.78	13.10
29	महाराष्ट्र Maharashtra		45.83	97.00
30	गुजरात Gujarat		51.94	240.66
31	छत्तीसगढ़ Chattisgarh		135.96	0.00
32	गोवा Goa		2.87	28.11
33	दमन और दीव Daman and Diu		0.00	36.07
34	दादरा और नगर हवेली Dadra & Nagar Haveli		0.00	77.98
35	जिंदल JD		104.56	0.00
36	लांको अमरकंटक LANCO AMK		0.00	0.00
37	आर्यन कोल ACB India Limited		23.23	0.00
38	जिंदल स्टील एंड पावर Jindal Steel and Power Ltd		99.39	0.00
39	बालको -2 Balco-II		5.48	0.00
40	स्टरलाइट Sterlite(w3rse0)		172.78	0.00
41	एमको EMCO		5.07	0.00
42	वन्दना विद्युत VANDANA VIDYUT		0.00	0.00
43	एस्सार पावर ESSAR POWER		0.00	0.00
44	एस्सार स्टील ESSAR STEEL		0.00	136.45
45	के एस के महानदी KSK Mahanadi		0.00	0.00
46	जिंदल स्टेज -II Jindal Stg-II		27.22	0.00
47	कोरबा (प.) Korba(W) Comp. Ltd.		133.95	0.00
48	डी बी पावर D B Power		50.09	0.00
49	धारीवाल Dhariwal		3.79	0.00
50	जे पी निग्री Jaypee Nigire		61.92	0.00
51	जी एम आर छत्तीसगढ़ GMR Chhattisgarh		57.41	0.00
52	डी जीईएन मेगा पावर DGEN Mega Power		0.00	0.00
53	एम बी मेगा पावर MB Power		0.00	0.00
54	एपीएल मुंद्रा स्टेज-I APL Mundra Stg-I		26.25	0.00
55	एपीएल मुंद्रा स्टेज-II APL Mundra Stg-II		42.39	0.00
56	एपीएल मुंद्रा स्टेज-III APL Mundra Stg-III		80.32	0.00
57	टोरेंट सुगेन Torrent Sugem		0.00	0.00
58	मारुति कोल Maruti Coal		0.00	0.00
59	स्पेक्ट्रम Spectrum		13.15	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 नवम्बर 2014
EXCHANGES THROUGH POWER EXCHANGES - November 2015

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
53	आंध्र प्रदेश Andhra Pradesh	दक्षिणी क्षेत्र SR	4.80	57.02
54	कर्नाटक Karnataka		0.00	101.43
55	केरल Kerala		3.80	120.82
56	तमिलनाडु Tamilnadu		0.00	8.26
57	पाण्डिचेरी Pondicherry		0.00	0.00
58	गोवा Goa		0.00	0.00
59	लांको कोंडापल्ली LANCO KONDPLY		0.00	0.00
60	सिमापुरी SIMHAPURI		64.78	0.00
61	मीनाक्षी MINAXI		23.73	0.00
62	तेलंगाना TELANGANA		50.07	73.77
63	थर्मल पावर टेक Thermal Power Tech		96.70	0.00
64	पश्चिम बंगाल West Bengal	पूर्वी क्षेत्र ER	26.59	143.03
65	उड़ीशा Odisha		77.41	53.10
66	बिहार Bihar		0.00	198.21
67	झारखंड Jharkhand		0.00	6.90
68	सिक्किम Sikkim		27.04	0.00
69	दामोदर घाटी परियोजना DVC		17.63	0.00
70	स्टरलाइट STERLITE		0.00	0.00
71	मैथन पावर लिमिटेड Maithon P. Ltd		57.12	0.00
72	आधुनिक पा. लिमिटेड Adhunik P.Ltd		49.21	0.00
73	चुजाचैन Chuzachen HEP		19.31	0.00
74	रंगित Rangit HEP		0.00	0.00
75	तीस्ता Teesta HEP		0.00	0.00
76	जीएमआर कमलंगा GMR Kamalanga		13.84	0.00
77	जिदल आई पी टी एल JIPTL		380.69	0.00
78	जोरथांग Jorethang	24.25	0.00	
79	अरुणाचल प्रदेश Arunachal Pradesh	पूर्वोत्तर क्षेत्र NER	0.00	3.66
80	असम Assam		13.51	43.52
81	मणिपुर Manipur		26.45	0.00
82	मेघालय Meghalaya		11.09	22.67
83	मिजोरम Mizoram		4.36	0.00
84	नागालैंड Nagaland		1.09	1.01
85	त्रिपुरा Tripura		81.14	0.00
86	अगरतला जीटीपीपी Agartala GTPP AGO		0.00	0.00
87	कोपिली KOPIJU KP1		0.00	0.00
88	असम जीबीपीपी Assam GBPP KTO		0.00	0.00
89	लोकटक LOKTAK		0.00	0.00
90	रंगानदी Ranganadi		0.00	0.00
91	दोयांग Doyang		0.00	0.00
92	पलाताना Palatana		0.13	0.00
कुल Total			2727.99	2727.99

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-November 2015****RE Source & Unit wise break up (Nov 15)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	21.85	5	0	0
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	4.26	4	9.13	5
5	Small Hydro	2.5	2	0	0
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	0	0	0	0
9	Bio-fuel cogeneration	12.06	1	0	0
	Total	40.67	12	9.13	5

RECs Issued (Nov 15)

Sr.No.	Non Solar	Solar	Total
1	517140	95931	613071

Redemption of REC (Nov 15)

Sr.No.	Non Solar	Solar	Total
1	231545	87767	319312

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-November 2015****RE Source & Unit wise break up (Apr-15- Nov-15)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	101.5	18	78.2	11
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	44.23	28	47.97	35
5	Small Hydro	2.5	2	24	1
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	13.74	3	15.74	4
9	Bio-fuel cogeneration	37.31	5	35.62	6
	Total	199.28	56	201.53	57

RECs Issued (April 15-Nov 15)

Sr.No.	Non Solar	Solar	Total
1	5186552	1563721	6750273

Redemption of REC (April 15 - Nov 15)

Sr.No.	Non Solar	Solar	Total
1	1363174	286877	1650051

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-November 2015****RE Source & Unit wise break up Since Inception to November 15**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	2498.74	630	2279.05	591
2	Urban or Municipal Waste	8	1	0	0
3	Solar Thermal	3	1	0	0
4	Solar PV	629.28	314	610.52	301
5	Small Hydro	321.19	38	291.19	32
6	Others	1.67	1	1.67	1
7	Geothermal	0	0	0	0
8	Biomass	697.4	75	699.4	75
9	Bio-fuel cogeneration	944.68	107	923.65	104
	Total	5103.96	1167	4805.48	1104

RECs Issued since Inception to Nov 15

Sr.No.	Non Solar	Solar	Total
1	25513915	3441124	28955039

Redemption of REC since Inception to Nov 15

Sr.No.	Non Solar	Solar	Total
1	10535109	531070	11066179

REC Closing balance as on 30.11.2015

Sr.No.	Non Solar	Solar	Total
1	14571349	2897633	17468982

Major Grid Events for Nov, 2015

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	NR	1) 400kV Anta-Kalisindh ckt-1 & 2 2) Both running units at Kalisindh	Rajasthan	11/12/2015	11:05	11/13/2015	10:26	23:31	As reported, 400kV Anta-Kalisindh ckt-1 tripped due to Bay Control Unit Card burnt at Anta end & ckt-2 tripped due to conductor broken at location no. 159. Subsequently both running units at 400kV kalisindh tripped.	1050	Nil	GD1
2	NR	1) 400kV Fatehpur(PG)_Mainpuri(PG) ckt 1&2	POWERGRID	15-11-2015	14:05	15-11-2015	15:24	1:19	As reported, 400kV Fatehpur(PG)_Mainpuri(PG) ckt 1&2 tripped due to fire in switchyard at Mainpuri end.	Nil	Nil	GI2
3	NR	1) 400kV Mainpuri(PG)-Paricha(UP) ckt 1&2	POWERGRID/UP	16-11-2015	2:37	16-11-2015	5:34	2:57	As reported, 400kV Mainpuri(PG)-Paricha(UP) ckt 1&2 tripped due to R-phase to earth fault.	Nil	Nil	GI2
4	NR	1) 220kV Bawana -Shalimar Bagh Ckt-I& II 2) 220kV Bawana -DSIDC Ckt-I and 220/66kV 100MVA Pr. Tr-III at DSIDC 3) 400/220kV 315MVA Bawana ICT-2 & 4	Delhi	18-11-2015	18:27	18-11-2015	19:05	0:38	R Phase LA Bus Pipe of 220kV Bawana-DSIDC ckt-1 broken and got earthed at Bawana.	259	98	GD1
5	NR	1) All feeders from 220kV Ablowal Station	Punjab	20-11-2015	11:57	20-11-2015	12:48	0:51	As reported, all incoming feeders at 220kV Ablowal staition tripped due to bus fault at 220kV Ablowal.	Nil	500	GD1
6	NR	1) 400kV Parbati Pool-Parbati(3)-1 2) 400kV Koldam(NTPC)-Ludhiana(PG) -1 3) 400kV Parbati pool(PG) - Parbati(3)(NHPC) bypassing Parbati(2)	POWERGRID/NHPC/NTPC	20-11-2015	1:26	20-11-2015	5:43	4:17	As reported, 400kV Parbati Pool-Parbati(3)-1,400kV Koldam(NTPC)-Ludhiana(PG) -1 and 400kV Parbati pool(PG) - Parbati(3)(NHPC) tripped on Over voltage.	Nil	Nil	GI2
7	NR	1) 400kV Mainpuri(PG)-Paricha(UP) -1&2 2) 400kV Ballabgarh-Mainpuri-2	POWERGRID/UP	22-11-2015	18:25	22-11-2015	22:28	4:03	As reported, 400kV Mainpuri(PG)-Paricha(UP) -1,400kV Mainpuri(PG)-Paricha(UP) -2 and 400kV Ballabgarh-Mainpuri-2 tripped due to LA blast of B-phase of Mainpuri end of 400kV Mainpuri-Ballabgarh ckt-2.	Nil	Nil	GI2
8	NR	1) 400kV Chamera I(NHPC)-Chamera II(NHPC) 2) 400kV Chamera-III(NHPC)-Chamba(PG)	POWERGRID/NHPC	23-11-2015	10:51	24-11-2015	0:00	1:09	As reported, 400kV Chamera I(NHPC)-Chamera II(NHPC) and 400kV Chamera-II(NHPC)-Chamba(PG) tripped on Over voltage.	Nil	Nil	GI2
9	NR	1) 400/220kV,240MVA ICT 1&2 at Obra(UP)	UP	26-11-2015	13:59	26-11-2015	14:29	0:30	As reported,400/220kV,240MVA ICT 1&2 at Obra(UP) tripped due to Bus fault at Obra.	200	Nil	GD1
10	NR	1) 400kV Agra-Bhiwadi(PG) ckt 1&2	POWERGRID	27-11-2015	12:16	27-11-2015	12:28	0:12	As reported, 400kV Agra-Bhiwadi(PG) ckt 1&2 tripped due to Y-phase to earth fault.	Nil	Nil	GI2
11	WR	1. 220k.V Omkarshwar-Nimrani S/C 2. 220k.V Omkarshwar-Burwaha S/C 3. 220k.V Omkarshwar-Chagaon S/C 4. 220k.V Omkarshwar-JulwaniaS/C 5. 220k.V Omkarshwar-KhandwasS/C 6. Omkareshwar unit-4/65MW 7. Omkareshwar unit-5/65MW 8. Omkareshwar unit-7/65MW	MPPTCL/NHDC	11/2/2015	10:50	11/2/2015	11:59	1:09	During changing of Isolator of Unit 4 from Bus B to Bua A, Both isolator were opened simultaneously. With This Bus fault occurred and all elements from Omkareshwar 220 Kv Buses have tripped on Bus bar protection operation.	116	Nil	GD-1
12	WR	400/220 kV ICT-I (315 MVA), 400/220 kV ICT-II (315 MVA), 400/220 kV ICT-III (500 MVA) 220/132 kV ICT-II (200 MVA) 220/132 kV ICT-III (200 MVA) at Parli (MSEB)	MSETCL	11/7/2015	10:20	11/7/2015	11:18	0:58	Due to snapping of 220 kV B phase jumper between Bus sectionalizer circuit breaker to Bus section 1 isolator Bus fault has created at 220 kV Bus 1 at 400/220 kV Parli Sub-station. Due to non-operation of bus bar protection, all 400/220 kV ICTs tripped causing a large load loss in the Parli Area.	170	848	GD-1
13	WR	220 kV Dehgam-Ranasan 1 132 kV AECo-Sabarmati D/C 220 kV Ranasan-Karamsad D/C Units AECo-D and AECo-E	SUGEN/GETCO	11/13/2015	13:45	11/13/2015	14:51	1:06	Due to Delayed clearance of fault on 220 kV Ranasan-Karamsad line at Ranasan end, other lines have tripped on bacup protection. This caused islanding of Torrent power from the grid. The island further collapsed due to tripping of unit running at technical minimum.	143	140	GI-1
14	WR	765 kV Wardha-Aurangabad 2 and 765 kV Wardha-Aurangabad 4	PGCIL WR-1	11/14/2015	22:13	11/14/2015	23:06	0:53	Tripped on O/V. Sequence is like this : 1. Wardha-A'bad # 4 tripped on o/v at A'bad at 21:46 hrs, 2. Wardha-A'bad # 2 tripped on o/v at A'bad end at 22:13 hrs after charging of ckt-4 , 3. Wardha-A'bad # 4 tripped at 22:13 hrs on o/v at Wardha, 4. Wardha-A'bad # 4 again charged at 22:55 hsr from A'bad end and line tripped on operation of REF protection at A'bad.	Nil	Nil	GI-2
15	WR	220 kV Miraj-Mhasal-I 220 kV Miraj-Mhasal-II 220 kV Miraj-Vita-I 220 kV Miraj-Vita-II 220 kV Miraj-Sangli	MSETCL	11/16/2015	21:05	11/16/2015	21:25	0:20	At 21:05 Hrs, 220 kV R phase PT at Miraj Sub-station has burst which resulted in Bus fault at the station. This led to Bus bar protection operation at the sub-station. With this all the 220 kV elements connected at Miraj sub-station tripped causing blackout at the station and nearby radial connected loads. There were loss of 110 MW of Load during the event. Failed PT is SCT Make which was manufactured and commissioned in 2010.	Nil	110	GD-1

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
16	WR	400 kV Deepnagar-Bhusawal 2 400 kV Deepnagar Bus 1 Bhusawal Unit 3 132 kV Deepnagar Sub-station	MSETCI/MSEGCL	11/18/2015	13:53	11/18/2015	14:45	0:52	At 13:53 hrs at 132 kV Deepnagar s/s. B Ph CB Pole of the Khadka-1 Line burst and resulted into operation of BusBar protection in Zone -A. Also GT-3 which was connected on Main Bus-2 tripped on over-frequency due to which Bus-II was dead	300	350	GI-2
17	WR	220 kV Sukha-Panagar-I 220 kV Sukha-Panagar-II 220 kV Sukha-Jabalpur-I 220 kV Sukha-Jabalpur-II 220 kV Sukha-Narsinghpur-I 220 kV Sukha-Narsinghpur-II 400/220 kV ICT-I at Jabalpur-PG 400/220 kV ICT-II at Jabalpur-PG	MPPTCL	11/20/2015	3:26	11/20/2015	4:28	1:02	Y phase PT of 220 kV Bus 1 at 220 kV Sukha S/S Bursted creating a Bus fault on 220 kV Bus 1. However all the elements has tripped along with 400/220 kV Jabalpur ICT 1 & 2.	Nil	Nil	GD-1
18	WR	400 kV Dhariwal-Parli & 400 kV Dhariwal-Bhadrawati circuit	Dhariwal	11/21/2015	12:14	11/21/2015	12:52	0:38	The Circuits tripped on df/dt protection operation of P141 Relay used for islanding purpose which should have been in disabled condition.	Nil	Nil	GD-1
19	WR	220 kV Lonikand-Theur 2 220 kV Lonikand-Theur 1 400/220 kV 315 MVA ICT 1 400/220 kV 315 MVA ICT 2 400/220 kV 315 MVA ICT 3 220 kV Lonikand- Ranjangaon 220 kV Lonikand-Kathapur 220/22 kV 50 MVA ICT 1 220/22 kV 50 MVA ICT 2 220/22 kV 50 MVA ICT 3 220 kV Bus coupler	MSETCL	11/22/2015	21:16	11/22/2015	21:57	0:41	At 400 kV Lonikand substation, 220 kV Lonikand-Theur-1 and 220 kV Lonikand-Theur-II line tripped on Distance protection. Simultaneously 400/220 kV ,315 MVA ICT 1,2,3 also tripped on HV OC/EF Back-up protection . 220 kV Lonikand-Ranjangaon and 220 kV Lonikand-Kathapur Line has also tripped at the same time from other end only on Distance protection.	Nil	40	GD-1
20	WR	160 MVA 220/132 XFMR-1 160 MVA 220/132 XFMR-2 220KV Badod Sakatpur 220KV Badod Modak 220KV Badod Ujjain 1 220KV Badod Ujjain 2	MPPTCL	11/27/2015	23:35	11/28/2015	0:30	0:55	Event was due to burst of PT Of B-Phase 220KV Badod Sakatpur ckt at Badod end . Bus bar Protection Operated causing tripping of all 220 kV elements at Badod causing 220 kV loss of supply.	Nil	Nil	GI-1
21	WR	Koyna III-Phopali -II 17:59 Koyna III-Adlabs,Imagica S/C 17:59 Koyna III-Nerle S/C 17:59 Koyna III-Oni S/C 17:59 220/110kV ,2x50MVA transformer-I&II 17:59 110kV Kovna III-Aroli S/C 17:59	MSETCL/MSPGCL	11/30/2015	17:59	11/30/2015	20:45	2:46	Due to Bursting of Y phase CT of 220 kV Bus Coupler resulted in Bus Fault on 220 kV Bus Section 2 at Pedhambe causing tripping of all connected elements.	80	Nil	GD-1
22	NER	132 kV Imphal (PG) - Imphal (MA) I, 132 kV Imphal (PG) - Imphal (MA) II	POWERGRID/MSPCL	11/9/2015	6:47	11/9/2015	7:04	0:17	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 0647 Hrs on 09.11.2015, 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	61	GD-I
23	NER	132 kV Imphal (PG) - Imphal (MA) I, 132 kV Imphal (PG) - Imphal (MA) II	POWERGRID/MSPCL	11/12/2015	16:08	11/12/2015	16:30	0:22	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 1608 Hrs on 12.11.2015, 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	39	GD-I
24	NER	132 kV Silchar - Dullavcherra	POWERGRID/AEGCL	19-Nov-15	13:42	19-Nov-15	14:04	0:22	Dullavcherra area of Assam was connected with rest of NER Grid through 132 kV Silchar- Dullavcherra line(132 kV Dullavcherra-Dharmanagar line was under shutdown). At 13:42 Hrs on 19.11.15 , 132 kV Silchar- Dullavcherra line tripped. Due to tripping of this element, Dullavcherra area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	13	GD-I
25	NER	132 kV Silchar-PK Bari I & II, 132 kV P K Bari - Kumarghat	POWERGRID/TSECL	20-Nov-15	10:37	20-Nov-15	11:11	0:34	P K bari area of Tripura was connected with rest of NER Grid through 132 kV P.K Bari - Silchar I & II lines, 132 kV P K Bari-Kumarghat line (132 kV P.K Bari - Ambasa, 132 kV Kamipur-Ambasa & 132 kV Dhalabil - Agarthala lines kept open for system requirement & 132 kV Silchar-Dullavcherra line was not restored after tripping) . At 10:37 Hrs on 20.11.15 ,132 kV P.K Bari - Silchar I & II lines, 132 kV P K Bari-Kumarghat line tripped. Due to tripping of these elements, P K Bari area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	26	GD-I

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
26	NER	132 kV Agia - Nangalbibra	AEGCL/ MePTCL	20-Nov-15	13:08	20-Nov-15	13:30	0:22	Nangalbibra area of Meghalaya was connected with rest of NER Grid through 132 kV Agia-Nangalbibra line (132 kV Nangalbibra-Nongstoin line kept open for system requirement). At 13:08 Hrs on 20.11.15, 132 kV Agia-Nangalbibra line tripped. Due to tripping of this element, Nangalbibra area of Meghalaya was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	35	GD-I
27	NER	400/220 kV , 315 MVA ICT at Bongaigaon, 220 kV BTPS - Salakati I & II, 220 kV Birpara - Salakati I & II, 132 kV Salakati- Gelephu	POWERGRID/ AEGCL/ BPC	20-Nov-15	16:49	20-Nov-15	17:42	0:53	220kV Bus at Salakati became dead reportedly due to snapping of R-Ph jumper of 400/220KV Extension Bay.	0	0	-
28	NER	132 kV Loktak - Ningthoukhong	NHPC & MSPCL	23-Nov-15	21:51	23-Nov-15	22:01	0:10	Ningthoukhong area of Manipur was connected with rest of NER Grid through 132 kV Loktak-Ningthoukhong line (132 kV Imphal(PG)-Ningthoukhong line & 132 kV kakching-Kongba line kept open for system constraint). At 21:51 Hrs on 23.11.15 , 132 kV Loktak-Ningthoukhong line tripped. Due to tripping of these elements, Ningthoukhong area was separated from rest of NER Grid and subsequently collapsed due to no source in this area	0	38	GD-I
29	NER	132 kV Silchar - Dullavcherra	POWERGRID/ AEGCL	24-Nov-15	3:29	24-Nov-15	3:50	0:21	Dullavcherra area of Assam was connected with rest of NER Grid through 132 kV Silchar- Dullavcherra line(132 kV Dullavcherra-Dharmanagar line kept open for system requirement). At 03:29 Hrs on 24.11.15 , 132 kV Silchar- Dullavcherra line tripped. Due to tripping of this element, Dullavcherra area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	12	GD-I
30	NER	132 kV Balipara - Khupi	POWERGRID & NEEPCO	24-Nov-15	9:07	24-Nov-15	13:02	3:55	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 09:07 Hrs on 24.11.15,132 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	24	GD-I
31	ER	1) 220 KV Ranchi-Chandil 2) 220kV Chandil-Santalidih 3) 220kV Chandil-Ramchandrapur 4) 132 kV Chandil- Rajkharsawan 5) 132 kV Chandil -Adityapur - Rajkharsawan	JSEB	06.11.15	19:37	06.11.15	20:55	1:18	220KV Ranchi-Chandil (tripped from Chandil end only) on Master Trip .Subsequently lines given in column C tripped,resulting in load loss including traction load.	0	140(50 MW traction load)	GD-I
32	ER	1) 132 KV Purnea(Bihar) – Purnea(PG) –I 2) 132 KV Purnea(Bihar) – Purnea(PG) –II & III 3) 132 KV Purnea-Kishanganj 4) 132 KV Madhepura – Supaul D/c	BSPHCL/PG	11.11.15	19:57	11.11.15	20:25	0:28	All 132 KV lines emanating from 220 /132 kv old Purnea (PG) S.S tripped on B phase over current . The lines are : 132 kv Purnea(PG)- Purnea(BSEB) -T/c and 132 KV Purnea(PG) - Kishanganj tripped due to over current protection and simultaneously 132 Kv Madhepura – Supaul D/c also tripped on overcurrent . Power flow to Nepal got interrupted.	0	530 (90 MW to Nepal)	GD-I
33	ER	1) 132 KV Purnea(Bihar) – Purnea(PG) –I 2) 132 KV Purnea(Bihar) – Purnea(PG) –II & III 3) 132 KV Purnea-Kishanganj 4) 132 KV Madhepura – Supaul D/c	BSPHCL/PG	19.11.15	21:43	19.11.15	22:24	0:41	All 132 KV lines emanating from 220 /132 kv old Purnea (PG) S.S tripped on B phase over current . The lines are : 132 kv Purnea(PG)- Purnea(BSEB) -T/c and 132 KV Purnea(PG) - Kishanganj tripped due to over current protection and simultaneously 132 Kv Madhepura – Supaul D/c also tripped on overcurrent . Power flow to Nepal got interrupted.	0	486(90 MW to Nepal)	GD-I
34	ER	1)220 kv Malda-Dalkhola D/c 2) 220 kv Dalkhola-Purnea D/c 3) 220 kv Dalkhola - Siliguri D/c	PG/WBSEB	20.11.15	20:55	20.11.15	22:38	1:43	220KV Bus at Salakati became dead reportedly due to snapping of R-Ph jumper of 400/220KV Extension Bay. The elements given in column C tripped and there was load loss in Gelephu.	0	380	GD-I
35	ER	1) 220 kv Biharshariff-Tenughat 2) 400/220 kv ICT-1,2&3 at Biharshariff 3) 220/132 kv ICT at Biharshariff (BSEB) 4) 220 kv Patratu - Hatia 5) 220 kv Patratu - Tenughat	PG/BSEB	23.11.15	13:11	23.11.15	13:55	0:44	Y phase CT of 132 KV Biharshariff – Hatida line bursted at Biharshariff end ,and the same fault was sensed and cleared by tripping of (3*400/220) KV ICT at Biharshariff from 220 kv side only and 220 KV Tenughat – Biharshariff from Tenughat side and 220 kv Patratu – Hatia – I ,220 KV Patratu – Tenughat , 132 Kv Patratu – Hatia D/c tripped due to overload and simultaneously both unit of Patratu U#10 and Tenughat Unit -1,2 tripped due to loss of evacuation Path.	454	320	GD-I
36	ER	1) 220 kv Biharshariff-Tenughat 2) 400/220 kv ICT-1,2&3 at Biharshariff	PG/BSEB	28.11.15	17:32	28.11.15	23:00	5:28	220 kv Biharshariff-Tenughat tripped on R-N fault, Zone-II (from Tenughat). At the same time, all three ICTs at Biharshariff (PG) also tripped. The R phase jumper connecting ICT-II and 220 kv Bus-II at Biharshariff had snapped.	0	450	GD-1

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
37	SR	Complete outage of 220kV Madras Atomic power station (MAPS) of NPCIL and 230kV S.P.Koil station of TANTRANSCO	MAPS/TANTRANSCO	09.11.2015	9:33	09.11.2015	10:19	0:46	fault had occurred in 230kV MAPS-S.P.Koil feeder-1. LBB protection got operated as breaker of this feeder was under lockout and resulted in tripping of 230kV bus at S.P.Koil. 230kV S.P.Koil station has a Main and transfer bus scheme without bus coupler breaker. All 230kV feeders i.e. Oragadam, kalivandapattu, Veerapuram, Kalivandapattu-2 & Thiruvellam feeders and 04 No. 230/132kV transformers tripped at 230kV S.P.Koil substation. generation loss occurred at MAPS due to tripping of evacuating lines i.e. MAPS-SPKoil Line-1&2.	250	150	GD-1
38	SR	Complete outage of 220kV Somanahalli substation of KPTCL	KPTCL	27.11.2015	18:47	27.11.2015	19:12	0:25	shutdown of 220kV south bus was availed by KPTCL at 10:00 hrs on 27-11-2015 for replacement of strung bus by rigid bus under R&M works at 220kV Somanahalli S/s. All the feeders and ICT's were shifted to 220kV North bus. While shifting to North bus, the zone selection for changing of bus bar protection was not done correctly for 400/220 kV ICT-1&2. The south bus was restored at 17:59 hrs and while normalizing the bus bar protection it got operated due to wrong bus bar zone selection resulting in tripping of both the 220kV bus at 220kV Somanahalli station. 220kV Yerandahalli, 220kV HSR layout, 220kV Naganathapura, 220kV Tataguni feeders from 220kV Somanahalli substation are radial in nature and load loss occurred in these stations due to tripping of ICT's at Somanahalli. 220kV Bidadi-Somanahalli also got tripped.	0	650	GD-1
39	SR	Tripping of HVDC BHADRAVATHI POLE 2	PG	11-Nov-15	5:35	11-Nov-15	6:29	0:54	DUE TO NO VALID TAP CODE ALARM	0	0	GI-2
40	SR	Tripping of Unit-4, 5 and Unit-8 at Raichur TPS and 400kV Raichur TPS-Yeramaras TPS	KPTCL	12-Nov-15	0:30	12-Nov-15	0:56	0:26	Unit-4, 5 and Unit-8 and 400kV RTPS-Yeramaras TPS feeder got tripped due to deenergization of both 400kV Bus-1&2 at Raichur TPS. while building up of voltage in Unit-7 (was at 10kV), Unit got tripped on operation of GT neutral over-current protection. Simultaneously Main and Tie breaker LBB of Unit-7 got operated leading to tripping of Main breakers connected to 400kV Bus-1&2. Remaining 400kV lines, Units at 220kV level (Unit1,2 & 3) and 400/220kV ICT-1&2 were not affected during the incident	460	0	GD-1
41	SR	Tripping of unit-3 & 4 at Simhapuri TPS		12-Nov-15	13:51	12-Nov-15	17:07	3:16	Units got tripped due to trip initiation from Local Breaker Backup (LBB) protection operated in both GT-3 and GT-4 Bays. Suspected mal-operation of LBB protection caused the tripping	270	0	GD-1
42	SR	Tripping of 400kV UPCL-Hassan line-2 and running Units-1&2 at Udupi power station	LANCO/PG	30-Nov-15	17:22	30-Nov-15	17:50	0:28	400kV Hassan-Udupi line-2 tripped on Directional earth fault protection with Y-E fault and direct trip was sent to Udupi end. Directional Earth fault feature of Main-2 relay at hassan gave 3 ph trip after 2.6 seconds and fault current in Y-phase was 1.1 kA. The distance as well as DEF protection for 400kV UPCL-Hassan line-2 at UPCL end did not sense the fault. The generator transformer backup earth fault protection (51N) had sensed the fault and tripped both the running units at UPCL leading to generation loss at UPCL power station. Backup directional earth fault protection at 220kV side of 400/220kV ICT's at UPCL did not sense the high resistance fault in line-2	1100	0	GD-1

18. NEW ELEMENTS COMMISSIONED in NOVEMBERr-2015

COMMISSIONING OF NEW GENERATING UNITS

REGION	SL. NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY (MW)	DATE	TIME
WR	1	IPP	RKMPL(IPP)	1	360	27.11.15	
	2	IPP	BALCO	3	300	28.11.15	
SR	3	IPP	HINDUJA PCL	1	520	21.10.15	

COMMISSIONING OF NEW ICT's

REGION	SL. NO.	CONSTITUENT	VOLTAGE LEVEL	SUB-STATION	ICT NO	CAPACITY	DATE	TIME
SR	4	PGCIL	765/400	Kudgi-PG	II	--	14.11.15	

COMMISSIONING OF NEW TRANSMISSION LINES

REGION	SL. NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	TIME (Hrs)
NR	1	PGCIL	Parbati 3-Banala	II	400	02.11.15	2012
WR	2	PGCIL	Kolhapur(MSETCL)-Kolhapur(PG)-I	I	400	08.11.15	
	3		Kolhapur(MSETCL)-Kolhapur(PG)-II	II	400	08.11.15	
	4		Kolhapur(MSETCL)-Mapusa-I	I	400	08.11.15	
	5		Kolhapur(MSETCL)-Mapusa-II	II	400	08.11.15	
	6		KolhapurGIS(PG)-Kudgi	I	400*	14.11.15	
	7		KolhapurGIS(PG)-Kudgi	II	400*	16.11.15	
	SR		5	PGCIL	Kudgi-Kudgi NTPC-I	I	400	17.11.15
6		Narendra (PG)-Kudgi(PG)-I	I		400	17.11.15	1958
7		Gooty-Tumkur-I	I		400	29.11.15	
8		Gooty-Tumkur-II	II		400	29.11.15	

*765KV lines charged at 400KV.

क्र.सं. Sl. No.	क्षेत्र REGION	उपकेंद्र SUBSTATION	VOLTAGE < V(lower)* (V=122,380,728 kV)	V(lower) < VOLTAGE < V(upper)*	VOLTAGE > V(upper)* (V=145,420,800 kV)	उच्चतम (कि.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	फरक्का FARAKKA	0%	90%	10%	423	388	417
2		कहलगाँव KAHALGAON	0%	100%	0%	419	401	412
3		तालचर TALCHER	0%	100%	0%	412	396	403
4		पुर्णिया PURNEA	0%	74%	26%	428	397	417
5		मुजफ्फरपुर MUZAFFARPUR	0%	100%	0%	418	380	405
6		जमशेदपुर JAMSHEDPUR	0%	0%	100%	435	421	429
7		रेगाली RENGALI	0%	100%	0%	414	399	406
8		जेयपुर JEYPORE	0%	99%	1%	424	384	407
1	उत्तरी क्षेत्र NR	नरलागढ़ NALLAGARH	1%	67%	32%	437	365	412
2		भिवानी BHIWADI	0%	69%	31%	432	397	416
3		बल्लभगढ़ BALLABGARH	0%	54%	46%	433	400	419
4		इलाहाबाद ALLAHABAD	0%	68%	32%	423	410	416
5		हिसार HISSAR	0%	90%	10%	425	395	412
6		बवाना BAWANA	0%	60%	40%	431	400	418
7		कानपुर KANPUR	0%	98%	2%	423	393	411
8		बरसी BASSI	0%	90%	10%	428	389	410
9		लखनऊ पावरग्रिड LUCKNOW PG 76	0%	100%	0%	786	732	762
10		मोगा MOGA	0%	82%	18%	428	397	414
11		रतनगढ़ RATANGARH	0%	100%	0%	421	381	404
1	पश्चिमी क्षेत्र WR	आसोज ASOJ	0%	100%	0%	419	396	409
2		इटारसी ITARSI	0%	100%	0%	416	389	404
3		जैतपुर JETPUR	0%	100%	0%	416	394	406
4		कासौर KASOR	0%	91%	9%	423	380	416
5		कोल्हापुर KOLHAPUR	0%	66%	34%	434	392	417
6		बीना BINA	0%	100%	0%	417	392	406
7		ग्वालियर GWALIOR	0%	100%	0%	418	384	400
8		रायपुर RAIPUR	0%	82%	18%	426	406	417
9		जबलपुर JABALPUR	0%	100%	0%	418	395	407
10		धुले DHULE	0%	82%	18%	431	386	413
1	दक्षिणी क्षेत्र SR	श्रीपेरुपुडूर SRIPERUMPUDUR	0%	61%	39%	432	395	418
2		नेवेली NEYVELI	0%	98%	2%	428	397	410
3		सेलम SALEM	0%	99%	1%	427	385	404
4		बंगलूरु BANGALORE	0%	98%	2%	424	382	403
5		होसूर HOSUR	0%	100%	0%	424	383	403
6		रामागुंडम RAMAGUNDAM	0%	100%	0%	423	408	415
7		विजयवाड़ा VIJAYAWADA	0%	100%	0%	437	417	427
8		त्रिवेन्द्रम TRIVANDRUM	0%	100%	0%	421	382	404
9		हैदराबाद HYDERABAD	0%	100%	0%	428	388	418
1	पूर्वांचल क्षेत्र NER	मिसा MISA	0%	100%	0%	435	388	412
2		बलिपारा BALIPARA	0%	100%	0%	440	402	412
3		बोंगईगाँव BONGAIGAON	0%	100%	0%	420	388	408
4		हाफ्लोंग HAFLONG 132 kV	0%	100%	0%	139	128	135
5		आइजोल AIZWAL 132 kV	3%	97%	0%	136	117	129
6		कुमारघाट KUMARGHAT 132 kV	0%	100%	0%	137	128	133
7		इम्फाल IMPHAL 132 kV	0%	100%	0%	141	126	134
8		खलैरियट Khlieriat PG 132 kV	0%	100%	0%	137	125	132

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

20. List of Tripping of Elements monitored by NLDC for the month of November 2015

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	NLDC Remarks
HVDC - IR										
1	Vindhyachal Pole-I	HVDC	WR/NR	TS	01-11-2015 00:00	DC over current protection operated/ Multiple thyristor failure.	13-11-2015 17:44	305:44:00	1	
2	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	MO	04-11-2015 12:17	Blocked for reversing power flow direction	04-11-2015 16:55	4:38:00	0	No record in NRLDC site
3	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	08-11-2015 01:16	Aux supply failure	08-11-2015 08:39	7:23:00	1	No record in NRLDC site
4	Pusauli	HVDC	ER/NR	TS	10-11-2015 10:35	UV detection problem in valve hall	10-11-2015 15:41	5:06:00	1	No record in NRLDC site
5	Bhadrawati Pole-II	HVDC	WR/SR	TS	11-11-2015 05:35	NON VALID TAP CODE	11-11-2015 06:29	0:54:00	1	
6	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TL	11-11-2015 14:59	Tripped due to Line fault	11-11-2015 16:51	1:52:00	2	
7	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	12-11-2015 03:39	DC saturation protection trip	12-11-2015 18:09	14:30:00	3	No record in NRLDC site
8	Bhadrawati Pole-I	HVDC	WR/SR	SE	13-11-2015 09:34	Oil leakage in convertor transformer bushing	14-11-2015 05:22	19:48:00	0	
9	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	SO	13-11-2015 15:28	To attend DC saturation protection problem of converter transformer at Agra	13-11-2015 19:31	4:03:00	3	
10	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	15-11-2015 11:07	Valve cooling system problem at BNC end	15-11-2015 13:56	2:49:00	4	No record in NRLDC site
11	Vindhyachal Pole-I	HVDC	WR/NR	TS	18-11-2015 16:19	Power loss due to 400 kV NTPC/VSTPP HVDC both feeder tripped at NTPC end	18-11-2015 19:25	3:06:00	2	
12	Vindhyachal Pole-II	HVDC	WR/NR	TS	18-11-2015 16:19	Power loss due to 400 kV NTPC/VSTPP HVDC both feeder tripped at NTPC end	18-11-2015 19:25	3:06:00	1	
13	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	18-11-2015 18:32	AC filter protection trip	18-11-2015 19:59	1:27:00	5	No record in NRLDC site
14	Pusauli	HVDC	ER/NR	SO	25-11-2015 10:03	Shutdown	28-11-2015 18:19	80:16:00	1	No record in NRLDC site
15	Bhadrawati Pole-II	HVDC	WR/SR	SO	26-11-2015 09:45	AMP Work	28-11-2015 01:33	39:48:00	1	
16	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	26-11-2015 11:28	AC filter unbalanced protection	26-11-2015 11:57	0:29:00	6	No record in NRLDC site
17	Mundra-Mahendragarh-Pole-I	HVDC	WR/NR	SO	28-11-2015 09:20	Insulator replacement and cleaning works in HVDC station	28-11-2015 19:22	10:02:00	0	
18	Mundra-Mahendragarh-Pole-I	HVDC	WR/NR	SO	29-11-2015 07:24	Insulator replacement and cleaning works in HVDC station	29-11-2015 18:59	11:35:00	0	
19	Mundra-Mahendragarh-Pole-I	HVDC	WR/NR	SO	30-11-2015 07:01	Insulator replacement and cleaning works in HVDC station	30-11-2015 18:57	11:56:00	0	
20	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	SO	30-11-2015 10:53	For making OPGW connection at repeater station	30-11-2015 19:10	8:17:00	6	
HVDC - Internal										
21	Balia-Bhiwadi Pole-I	HVDC	NR	SO	20-11-2015 08:25	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	20-11-2015 19:41	11:16:00	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	NLDC Remarks
22	Balia-Bhiwadi Pole-I	HVDC	NR	SO	21-11-2015 08:18	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	21-11-2015 21:19	13:01:00	0	
23	Balia-Bhiwadi Pole-II	HVDC	NR	SO	22-11-2015 08:12	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	23-11-2015 19:55	35:43:00	0	
24	Balia-Bhiwadi Pole-II	HVDC	NR	SO	24-11-2015 08:25	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	24-11-2015 22:36	14:11:00	0	
25	Balia-Bhiwadi Pole-II	HVDC	NR	SO	25-11-2015 08:35	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	25-11-2015 20:40	12:05:00	0	
26	Rihand-Dadri Pole-II	HVDC	NR	SO	25-11-2015 14:23	Replacement of faulty snubber Capacitor	25-11-2015 19:01	4:38:00	0	
27	Balia-Bhiwadi Pole-II	HVDC	NR	SO	26-11-2015 08:26	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	26-11-2015 19:06	10:40:00	0	
28	Balia-Bhiwadi Pole-II	HVDC	NR	SO	27-11-2015 08:26	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	27-11-2015 19:24	10:58:00	0	
29	Balia-Bhiwadi Pole-II	HVDC	NR	SO	28-11-2015 08:55	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	28-11-2015 19:53	10:58:00	0	
30	Balia-Bhiwadi Pole-I	HVDC	NR	SO	29-11-2015 08:44	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	29-11-2015 19:29	10:45:00	0	
31	Balia-Bhiwadi Pole-I	HVDC	NR	SO	30-11-2015 08:21	Jumper tightening/insulator cleaning/ terminal equipment AMP,Silicon Grease application	30-11-2015 19:04	10:43:00	0	
765 kV - IR										
32	765 kV Sasaram-Fatehpur	Line	ER/NR	SC	05-11-2015 07:57	Powerline crossing of 765kV Gaya-Varanasi line	05-11-2015 18:49	10:52:00	0	
33	765 kV Sasaram-Fatehpur	Line	ER/NR	SC	06-11-2015 09:50	Powerline crossing of 765kV Gaya-Varanasi line	06-11-2015 19:50	10:00:00	0	
34	765 kV New Ranchi-Dharamjaygarh	Line	ER/WR	SC	01-11-2015 00:00	Construction Works	17-11-2015 14:10	398:10:00	0	
35	765 kV Gwalior-Phagi-II	Line	WR/NR	SO	25-11-2015 09:44	For spare reactor commissioning and other rectification works at Gwalior end	25-11-2015 19:38	9:54:00	0	
36	765 kV Gwalior-Phagi-II	Line	WR/NR	SO	27-11-2015 11:19	For spare reactor commissioning & other related works	28-11-2015 02:01	14:42:00	0	
37	765 kV Gwalior-Phagi-I	Line	WR/NR	TP	02-11-2015 12:37	Direct trip received from Gwalior end	02-11-2015 13:30	0:53:00	1	
38	765 kV Gwalior-Phagi-I	Line	WR/NR	SO	24-11-2015 09:23	For CT oil sampling & other rectification works at Gwalior end	24-11-2015 23:51	14:28:00	1	
39	765 kV Gaya-Balia	Line	ER/NR	SO	03-11-2015 08:16	General maintenance.	03-11-2015 19:32	11:16:00	0	
40	765 kV Gaya-Balia	Line	ER/NR	SO	04-11-2015 08:31	General maintenance.	04-11-2015 19:30	10:59:00	0	
765 kV Internal										
41	765 kV Moga-Meerut	Line	NR	MO	01-11-2015 00:00	Opened manually due to High Voltage	02-11-2015 11:44	35:44:00	0	
42	765 kV Moga-Meerut	Line	NR	MO	02-11-2015 21:08	Opened manually due to High Voltage	08-11-2015 09:53	132:45:00	0	
43	765 kV Moga-Meerut	Line	NR	MO	08-11-2015 21:14	Opened manually due to High Voltage	09-11-2015 06:53	9:39:00	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	NLDC Remarks
44	765 kV Moga-Meerut	Line	NR	MO	10-11-2015 01:57	Opened manually due to High Voltage	10-11-2015 07:51	5:54:00	0	
45	765 kV Moga-Meerut	Line	NR	MO	10-11-2015 21:52	Opened manually due to High Voltage	15-11-2015 11:28	109:36:00	0	
46	765 kV Moga-Meerut	Line	NR	MO	15-11-2015 22:18	Opened manually due to High Voltage	16-11-2015 09:55	11:37:00	0	
47	765 kV Moga-Meerut	Line	NR	MO	18-11-2015 21:41	Opened manually due to High Voltage	19-11-2015 08:03	10:22:00	0	
48	765 kV Moga-Meerut	Line	NR	MO	19-11-2015 21:30	Opened manually due to High Voltage	20-11-2015 09:45	12:15:00	0	
49	765 kV Moga-Meerut	Line	NR	MO	20-11-2015 20:58	Opened manually due to High Voltage	23-11-2015 07:57	58:59:00	0	
50	765 kV Moga-Meerut	Line	NR	MO	23-11-2015 21:00	Opened manually due to High Voltage	24-11-2015 06:59	9:59:00	0	
51	765 kV Moga-Meerut	Line	NR	MO	24-11-2015 20:51	Opened manually due to High Voltage	25-11-2015 07:18	10:27:00	0	
52	765 kV Moga-Meerut	Line	NR	MO	28-11-2015 20:08	Opened manually due to High Voltage	30-11-2015 09:54	37:46:00	0	
53	765 kV Moga-Meerut	Line	NR	MO	30-11-2015 20:39	Opened manually due to High Voltage	01-12-2015 00:00	3:21:00	0	
54	765 kV Kotra-Champa-I	Line	WR	MO	04-11-2015 20:42	Opened manually due to High Voltage	06-11-2015 11:31	38:49:00	0	
55	765 kV Kotra-Champa-I	Line	WR	MO	18-11-2015 01:46	Opened manually due to High Voltage	01-12-2015 00:00	310:14:00	0	
56	765 kV Durg-Champa-I	Line	WR	MO	01-11-2015 00:00	Opened manually due to High Voltage	06-11-2015 11:01	131:01:00	0	
57	765 kV Durg-Champa-I	Line	WR	MO	18-11-2015 01:48	Opened manually due to High Voltage	01-12-2015 00:00	310:12:00	0	
58	765kV Wardha-Aurangabad-IV	Line	WR	TV	11-11-2015 21:13	TRIPPED ON OVER VOLTAGE	11-11-2015 22:30	1:17:00	1	
59	765kV Wardha-Aurangabad-IV	Line	WR	TV	14-11-2015 21:46	TRIPPED ON OVER VOLTAGE	15-11-2015 08:10	10:24:00	2	
60	765kV Wardha-Aurangabad-IV	Line	WR	SE	15-11-2015 10:22	Hot Spot in LA	18-11-2015 07:24	69:02:00	2	
61	765kV Wardha-Aurangabad-IV	Line	WR	TV	22-11-2015 21:59	TRIPPED ON OVER VOLTAGE	23-11-2015 07:06	9:07:00	3	
62	765kV Wardha-Aurangabad-IV	Line	WR	TV	23-11-2015 20:59	TRIPPED ON OVER VOLTAGE	24-11-2015 19:55	22:56:00	4	
63	765kV Wardha-Aurangabad-III	Line	WR	MO	12-11-2015 15:39	Opened manually due to High Voltage	14-11-2015 07:44	40:05:00	0	
64	765kV Wardha-Aurangabad-III	Line	WR	MO	14-11-2015 16:30	Opened manually due to High Voltage	16-11-2015 08:24	39:54:00	0	
65	765kV Wardha-Aurangabad-III	Line	WR	TV	16-11-2015 20:54	TRIPPED ON OVER VOLTAGE	17-11-2015 06:42	9:48:00	1	
66	765kV Wardha-Aurangabad-III	Line	WR	MO	21-11-2015 16:41	Opened manually due to High Voltage	22-11-2015 23:14	30:33:00	1	
67	765kV Wardha-Aurangabad-III	Line	WR	MO	25-11-2015 20:52	Opened manually due to High Voltage	27-11-2015 08:48	35:56:00	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	NLDC Remarks
68	765kV Wardha-Aurangabad-III	Line	WR	MO	27-11-2015 17:55	Opened manually due to High Voltage	28-11-2015 07:09	13:14:00	1	
69	765kV Wardha-Aurangabad-III	Line	WR	MO	27-11-2015 17:55	Opened manually due to High Voltage	28-11-2015 07:19	13:24:00	1	
70	765kV Wardha-Aurangabad-III	Line	WR	MO	30-11-2015 20:21	Opened manually due to High Voltage	01-12-2015 00:00	3:39:00	1	
71	765kV Wardha-Aurangabad-II	Line	WR	SO	01-11-2015 00:00	L/R Problem at Wardha end	12-11-2015 15:26	279:26:00	0	
72	765kV Wardha-Aurangabad-II	Line	WR	TV	14-11-2015 22:13	TRIPPED ON OVER VOLTAGE	14-11-2015 23:06	0:53:00	1	
73	765kV Wardha-Aurangabad-II	Line	WR	TV	18-11-2015 20:53	TRIPPED ON OVER VOLTAGE	19-11-2015 07:00	10:07:00	2	
74	765kV Wardha-Aurangabad-II	Line	WR	TV	19-11-2015 19:58	TRIPPED ON OVER VOLTAGE	22-11-2015 07:46	59:48:00	3	
75	765kV Wardha-Aurangabad-I	Line	WR	TV	01-11-2015 18:00	TRIPPED ON OVER VOLTAGE	02-11-2015 06:30	12:30:00	1	
76	765kV Wardha-Aurangabad-I	Line	WR	TV	08-11-2015 21:55	TRIPPED ON OVER VOLTAGE	09-11-2015 08:41	10:46:00	2	
77	765kV Wardha-Aurangabad-I	Line	WR	TV	10-11-2015 19:22	TRIPPED ON OVER VOLTAGE	13-11-2015 08:57	61:35:00	3	
78	765kV Wardha-Aurangabad-I	Line	WR	MO	13-11-2015 16:33	Opened manually due to High Voltage	14-11-2015 10:27	17:54:00	3	
79	765kV Wardha-Aurangabad-I	Line	WR	SO	14-11-2015 10:27	Balance rectification works at S/S and Line	15-11-2015 00:30	14:03:00	3	
80	765kV Wardha-Aurangabad-I	Line	WR	TV	18-11-2015 13:07	TRIPPED ON OVER VOLTAGE	20-11-2015 10:31	45:24:00	4	
81	765kV Wardha-Aurangabad-I	Line	WR	MO	20-11-2015 16:31	Opened manually due to High Voltage	21-11-2015 08:18	15:47:00	4	
82	765kV Wardha-Aurangabad-I	Line	WR	MO	22-11-2015 15:16	Opened manually due to High Voltage	22-11-2015 19:38	4:22:00	4	
83	765kV Wardha-Aurangabad-I	Line	WR	TV	24-11-2015 17:59	Tripped due to O/V	26-11-2015 06:56	36:57:00	5	
84	765kV Wardha-Aurangabad-I	Line	WR	TV	09-11-2015 20:43	TRIPPED ON OVER VOLTAGE	10-11-2015 07:28	10:45:00	6	
85	765kV Tirora-Koradi-I	Line	WR	SO	22-11-2015 14:11	MAINTANANCE	22-11-2015 19:38	5:27:00	0	
86	765kV Seoni-Wardha-II	Line	WR	TV	01-11-2015 00:00	TRIPPED ON OVER VOLTAGE (Wardha - 808 kV)	02-11-2015 07:28	31:28:00	1	
87	765kV Seoni-Wardha-II	Line	WR	TV	02-11-2015 19:55	TRIPPED ON OVER VOLTAGE	03-11-2015 06:38	10:43:00	2	
88	765kV Seoni-Wardha-II	Line	WR	TV	03-11-2015 21:53	TRIPPED ON OVER VOLTAGE	04-11-2015 07:17	9:24:00	3	
89	765kV Seoni-Wardha-II	Line	WR	TV	05-11-2015 03:00	TRIPPED ON OVER VOLTAGE	05-11-2015 07:15	4:15:00	4	
90	765kV Seoni-Wardha-II	Line	WR	TV	05-11-2015 21:56	TRIPPED ON OVER VOLTAGE	06-11-2015 05:51	7:55:00	5	
91	765kV Seoni-Wardha-II	Line	WR	TV	08-11-2015 21:50	TRIPPED ON OVER VOLTAGE	09-11-2015 06:35	8:45:00	6	

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	NLDC Remarks
92	765kV Seoni-Wardha-II	Line	WR	TV	10-11-2015 17:03	TRIPPED ON OVER VOLTAGE	12-11-2015 09:54	40:51:00	7	
93	765kV Seoni-Wardha-I	Line	WR	MO	16-11-2015 22:01	Opened manually due to High Voltage	17-11-2015 09:40	11:39:00	0	
94	765kV Seoni-Wardha-I	Line	WR	MO	19-11-2015 22:04	Opened manually due to High Voltage	20-11-2015 09:05	11:01:00	0	
95	765kV Seoni-Wardha-I	Line	WR	MO	23-11-2015 21:06	Opened manually due to High Voltage	27-11-2015 18:45	93:39:00	0	
96	765kV Seoni-Bilaspur-I	Line	WR	SE	18-11-2015 07:27	For isolating lock out Tie CB at Bilaspur	18-11-2015 12:24	4:57:00	0	Record missing in WRLDC
97	765kV Seoni-Bilaspur-I	Line	WR	SO	26-11-2015 11:06	DGA Sampling of Reactor bushing at Seoni	26-11-2015 19:25	8:19:00	0	
98	765kV Satna-Bina-II	Line	WR	TL	08-11-2015 06:37	Tripped on Distance Protection	08-11-2015 18:45	12:08:00	1	
99	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-II	Line	WR	SO	01-11-2015 00:00	REACTOR MOG OIL LEVEL LOW	02-11-2015 16:45	40:45:00	0	
100	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-II	Line	WR	TP	06-11-2015 09:20	LINE TRIPPED DURING OPENING OF WARDHA-DURG-I FOR S/D	08-11-2015 01:00	39:40:00	1	
101	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-II	Line	WR	MO	08-11-2015 01:00	Opened manually due to High Voltage	18-11-2015 07:35	246:35:00	1	
102	765kV Pune-Sholapur	Line	WR	SO	05-11-2015 08:07	To take spare into service with L/R	06-11-2015 23:17	39:10:00	0	
103	765kV Pune-Sholapur	Line	WR	MO	11-11-2015 16:54	Opened manually due to High Voltage	12-11-2015 09:42	16:48:00	0	
104	765kV Moga-Bhiwani(PG)	Line	NR	SO	18-11-2015 09:46	For replacement of porcelain disc insulators with polymer insulators	18-11-2015 17:30	7:44:00	0	
105	765kV Moga-Bhiwani(PG)	Line	NR	SO	18-11-2015 09:46	For replacement of porcelain disc insulators with polymer insulators	18-11-2015 17:30	7:44:00	0	
106	765kV Moga-Bhiwani(PG)	Line	NR	SO	19-11-2015 08:20	For replacement of porcelain disc insulators with polymer insulators	19-11-2015 19:19	10:59:00	0	
107	765kV Moga-Bhiwani(PG)	Line	NR	SO	20-11-2015 08:19	For replacement of porcelain disc insulators with polymer insulators	20-11-2015 18:58	10:39:00	0	
108	765kV Moga-Bhiwani(PG)	Line	NR	SO	21-11-2015 08:25	For replacement of porcelain disc insulators with polymer insulators	21-11-2015 19:23	10:58:00	0	
109	765kV Moga-Bhiwani(PG)	Line	NR	SO	22-11-2015 08:13	For replacement of porcelain disc insulators with polymer insulators	22-11-2015 19:05	10:52:00	0	
110	765kV Moga-Bhiwani(PG)	Line	NR	MO	22-11-2015 21:57	Opened manually due to High Voltage	23-11-2015 08:27	10:30:00	0	
111	765kV Moga-Bhiwani(PG)	Line	NR	SO	23-11-2015 08:27	For replacement of porcelain disc insulators with polymer insulators	23-11-2015 18:43	10:16:00	0	Line was open on O/V
112	765kV Moga-Bhiwani(PG)	Line	NR	SO	24-11-2015 09:20	For replacement of porcelain disc insulators with polymer insulators	24-11-2015 18:51	9:31:00	0	
113	765kV Moga-Bhiwani(PG)	Line	NR	SO	25-11-2015 09:40	For replacement of porcelain disc insulators with polymer insulators	25-11-2015 18:17	8:37:00	0	
114	765kV Meerut-Bhiwani(PG)	Line	NR	MO	01-11-2015 00:00	Opened manually due to High Voltage	02-11-2015 07:11	31:11:00	0	
115	765kV Meerut-Bhiwani(PG)	Line	NR	MO	04-11-2015 21:44	Opened manually due to High Voltage	06-11-2015 10:51	37:07:00	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	NLDC Remarks
116	765kV Meerut-Bhiwani(PG)	Line	NR	MO	06-11-2015 22:07	Opened manually due to High Voltage	07-11-2015 09:26	11:19:00	0	
117	765kV Meerut-Bhiwani(PG)	Line	NR	MO	09-11-2015 21:28	Opened manually due to High Voltage	10-11-2015 06:42	9:14:00	0	
118	765kV Meerut-Bhiwani(PG)	Line	NR	MO	11-11-2015 15:26	Opened manually due to High Voltage	11-11-2015 18:44	3:18:00	0	
119	765kV Meerut-Bhiwani(PG)	Line	NR	MO	13-11-2015 01:34	Opened manually due to High Voltage	13-11-2015 11:53	10:19:00	0	
120	765kV Meerut-Bhiwani(PG)	Line	NR	MO	14-11-2015 00:53	Opened manually due to High Voltage	14-11-2015 09:52	8:59:00	0	
121	765kV Meerut-Bhiwani(PG)	Line	NR	MO	14-11-2015 20:55	Opened manually due to High Voltage	16-11-2015 11:07	38:12:00	0	
122	765kV Meerut-Bhiwani(PG)	Line	NR	MO	16-11-2015 08:05	Opened manually due to High Voltage	18-11-2015 06:58	46:53:00	0	
123	765kV Meerut-Bhiwani(PG)	Line	NR	MO	17-11-2015 20:47	Opened manually due to High Voltage	18-11-2015 06:58	10:11:00	0	
124	765kV Meerut-Bhiwani(PG)	Line	NR	MO	18-11-2015 20:48	Opened manually due to High Voltage	19-11-2015 09:17	12:29:00	0	
125	765kV Meerut-Bhiwani(PG)	Line	NR	MO	19-11-2015 20:22	Opened manually due to High Voltage	20-11-2015 07:50	11:28:00	0	
126	765kV Meerut-Bhiwani(PG)	Line	NR	MO	22-11-2015 20:49	Opened manually due to High Voltage	23-11-2015 08:03	11:14:00	0	
127	765kV Meerut-Bhiwani(PG)	Line	NR	MO	23-11-2015 20:57	Opened manually due to High Voltage	24-11-2015 06:59	10:02:00	0	
128	765kV Meerut-Bhiwani(PG)	Line	NR	MO	24-11-2015 21:20	Opened manually due to High Voltage	25-11-2015 08:02	10:42:00	0	
129	765kV Meerut-Bhiwani(PG)	Line	NR	MO	25-11-2015 20:56	Opened manually due to High Voltage	26-11-2015 08:13	11:17:00	0	
130	765kV Meerut-Bhiwani(PG)	Line	NR	SC	26-11-2015 10:00	Stringing of OPGW	27-11-2015 09:59	23:59:00	0	
131	765kV Meerut-Bhiwani(PG)	Line	NR	MO	26-11-2015 20:54	Opened manually due to High Voltage	27-11-2015 09:59	13:05:00	0	
132	765kV Meerut-Bhiwani(PG)	Line	NR	MO	28-11-2015 20:08	Opened manually due to High Voltage	30-11-2015 09:21	37:13:00	0	
133	765kV Lucknow(PG)-Bareilly(PG)-I	Line	NR	TS	02-11-2015 10:38	Hand tripped due to problem in L/R @ Bareilly end	02-11-2015 13:50	3:12:00	1	
134	765kV Kurnool-Thiruvalem-II	Line	SR	MO	01-11-2015 00:00	H/T TO CONTAIN OVER VOLTAGE	09-11-2015 10:47	202:47:00	0	
135	765kV Kurnool-Thiruvalem-II	Line	SR	TV	09-11-2015 21:59	Tripped on Over voltage	11-11-2015 10:25	36:26:00	1	
136	765kV Kurnool-Thiruvalem-II	Line	SR	TV	15-11-2015 23:32	Tripped on Over voltage	16-11-2015 09:23	9:51:00	2	
137	765kV Kurnool-Thiruvalem-II	Line	SR	TV	17-11-2015 01:47	Tripped on Over voltage	17-11-2015 09:41	7:54:00	3	
138	765kV Kurnool-Thiruvalem-I	Line	SR	TV	02-11-2015 00:47	Tripped on Over voltage	19-11-2015 12:14	419:27:00	1	
139	765kV Kurnool-Thiruvalem-I	Line	SR	TV	20-11-2015 02:58	Tripped on Over voltage	20-11-2015 10:32	7:34:00	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	NLDC Remarks
140	765kV Kurnool-Thiruvalem-I	Line	SR	TV	21-11-2015 03:54	Tripped on Over voltage	21-11-2015 09:03	5:09:00	3	
141	765kV Kurnool-Thiruvalem-I	Line	SR	TV	23-11-2015 00:01	Tripped on Over voltage	23-11-2015 09:54	9:53:00	4	
142	765kV Kurnool-Nellore(PS)-II	Line	SR	MO	01-11-2015 00:00	H/T TO CONTAIN OVER VOLTAGE	01-12-2015 00:00	720:00:00	0	
143	765kV Jabalpur-Dharamjaigarh-I	Line	WR	MO	01-11-2015 00:00	Opened manually due to High Voltage	07-11-2015 11:30	155:30:00	0	
144	765kV Jabalpur-Dharamjaigarh-I	Line	WR	MO	08-11-2015 21:37	Opened manually due to High Voltage	09-11-2015 07:49	10:12:00	0	
145	765kV Jabalpur-Dharamjaigarh-I	Line	WR	MO	11-11-2015 15:46	Opened manually due to High Voltage	19-11-2015 15:05	191:19:00	0	
146	765kV Indore-Bhopal	Line	WR	SO	27-11-2015 10:34	AMP OF LINE REACTOR	27-11-2015 19:06	8:32:00	0	
147	765kV Fatehpur-Agra-II	Line	NR	MO	01-11-2015 00:00	Opened manually due to High Voltage	02-11-2015 07:06	31:06:00	0	
148	765kV Fatehpur-Agra-II	Line	NR	MO	05-11-2015 22:00	Opened manually due to High Voltage	06-11-2015 05:42	7:42:00	0	
149	765kV Fatehpur-Agra-II	Line	NR	MO	06-11-2015 21:57	Opened manually due to High Voltage	07-11-2015 08:01	10:04:00	0	
150	765kV Fatehpur-Agra-II	Line	NR	MO	07-11-2015 21:18	Opened manually due to High Voltage	08-11-2015 14:57	17:39:00	0	
151	765kV Fatehpur-Agra-II	Line	NR	MO	14-11-2015 20:53	Opened manually due to High Voltage	15-11-2015 07:40	10:47:00	0	
152	765kV Fatehpur-Agra-II	Line	NR	MO	16-11-2015 22:01	Opened manually due to High Voltage	17-11-2015 07:05	9:04:00	0	
153	765kV Fatehpur-Agra-II	Line	NR	MO	19-11-2015 20:39	Opened manually due to High Voltage	20-11-2015 09:25	12:46:00	0	
154	765kV Fatehpur-Agra-II	Line	NR	MO	21-11-2015 20:19	Opened manually due to High Voltage	22-11-2015 05:52	9:33:00	0	
155	765kV Fatehpur-Agra-II	Line	NR	MO	22-11-2015 20:26	Opened manually due to High Voltage	23-11-2015 08:12	11:46:00	0	
156	765kV Fatehpur-Agra-II	Line	NR	MO	25-11-2015 03:22	Opened manually due to High Voltage	25-11-2015 06:20	2:58:00	0	
157	765kV Fatehpur-Agra-II	Line	NR	MO	25-11-2015 20:03	Opened manually due to High Voltage	26-11-2015 07:56	11:53:00	0	
158	765kV Fatehpur-Agra-II	Line	NR	MO	26-11-2015 21:09	Opened manually due to High Voltage	27-11-2015 07:13	10:04:00	0	
159	765kV Fatehpur-Agra-II	Line	NR	MO	27-11-2015 21:01	Opened manually due to High Voltage	28-11-2015 06:51	9:50:00	0	
160	765kV Fatehpur-Agra-II	Line	NR	MO	28-11-2015 20:07	Opened manually due to High Voltage	29-11-2015 07:05	10:58:00	0	
161	765kV Fatehpur-Agra-II	Line	NR	MO	30-11-2015 20:36	Opened manually due to High Voltage	01-12-2015 00:00	3:24:00	0	
162	765kV Fatehpur-Agra-I	Line	NR	MO	02-11-2015 21:15	Opened manually due to High Voltage	04-11-2015 07:45	34:30:00	0	
163	765kV Fatehpur-Agra-I	Line	NR	MO	12-11-2015 01:33	Opened manually due to High Voltage	13-11-2015 07:34	30:01:00	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	NLDC Remarks
164	765kV Fatehpur-Agra-I	Line	NR	MO	15-11-2015 20:41	Opened manually due to High Voltage	16-11-2015 06:19	9:38:00	0	
165	765kV Fatehpur-Agra-I	Line	NR	MO	17-11-2015 21:50	Opened manually due to High Voltage	18-11-2015 09:32	11:42:00	0	
166	765kV Fatehpur-Agra-I	Line	NR	MO	18-11-2015 21:04	Opened manually due to High Voltage	19-11-2015 11:29	14:25:00	0	
167	765kV Fatehpur-Agra-I	Line	NR	MO	20-11-2015 20:04	Opened manually due to High Voltage	21-11-2015 07:15	11:11:00	0	
168	765kV Fatehpur-Agra-I	Line	NR	MO	23-11-2015 20:46	Opened manually due to High Voltage	24-11-2015 06:55	10:09:00	0	
169	765kV Durg-Wardha-II	Line	WR	SO	06-11-2015 12:06	REPLACEMENT OF LINE INSULATOR,PILOT STRING AND INSTALLATION OF PILOT GRADING RING.	06-11-2015 23:04	10:58:00	0	
170	765kV Durg-Wardha-II	Line	WR	MO	21-11-2015 23:18	Opened manually due to High Voltage	22-11-2015 07:08	7:50:00	0	
171	765kV Durg-Wardha-II	Line	WR	SO	29-11-2015 07:21	REPLACEMENT OF BROKEN INSULATORS AT TENSION TOWERS	29-11-2015 22:06	14:45:00	0	
172	765kV Durg-Wardha-I	Line	WR	SO	06-11-2015 09:20	REPLACEMENT OF LINE INSULATOR,PILOT STRING AND INSTALLATION OF PILOT GRADING RING.	08-11-2015 01:00	39:40:00	0	
173	765kV Durg-Wardha-I	Line	WR	TV	08-11-2015 17:02	TRIPPED ON OVER VOLTAGE	09-11-2015 07:30	14:28:00	1	
174	765kV Durg-Wardha-I	Line	WR	MO	14-11-2015 23:48	Opened manually due to High Voltage	15-11-2015 06:40	6:52:00	1	
175	765kV Durg-Wardha-I	Line	WR	MO	20-11-2015 22:19	Opened manually due to High Voltage	21-11-2015 06:14	7:55:00	1	
176	765kV Durg-Wardha-I	Line	WR	MO	22-11-2015 22:02	Opened manually due to High Voltage	23-11-2015 06:38	8:36:00	1	
177	765kV Durg-Wardha-I	Line	WR	MO	28-11-2015 22:31	Opened manually due to High Voltage	29-11-2015 07:21	8:50:00	1	
178	765kV Durg-Wardha-I	Line	WR	SO	29-11-2015 07:21	REPLACEMENT OF BROKEN INSULATORS AT TENSION TOWERS	29-11-2015 22:11	14:50:00	1	
179	765kV Durg-Wardha-I	Line	WR	MO	29-11-2015 22:11	Opened manually due to High Voltage	30-11-2015 07:25	9:14:00	1	
180	765kV Dhule-Vadodara	Line	WR	MO	11-11-2015 22:12	Opened manually due to High Voltage	12-11-2015 06:44	8:32:00	0	
181	765kV Dhule-Vadodara	Line	WR	MO	12-11-2015 17:53	Opened manually due to High Voltage	13-11-2015 07:59	14:06:00	0	
182	765kV Dhule-Vadodara	Line	WR	MO	15-11-2015 21:08	Opened manually due to High Voltage	16-11-2015 06:30	9:22:00	0	
183	765kV Dhule-Vadodara	Line	WR	MO	19-11-2015 21:49	Opened manually due to High Voltage	20-11-2015 07:25	9:36:00	0	
184	765kV Bina-Jabalpur-III	Line	WR	MO	01-11-2015 00:00	H/T TO FACILITATE OF 765 KV JBP(P) - DHARAMJAYAGAD - I CHARGING	02-11-2015 12:00	36:00:00	0	
185	765kV Bina-Jabalpur-III	Line	WR	MO	07-11-2015 21:04	Opened manually due to High Voltage	08-11-2015 03:12	6:08:00	0	
186	765kV Bina-Gwalior-II	Line	WR	TP	28-11-2015 22:36	Y PHASE REACTOR PRD OPERATED AT BINA	29-11-2015 09:19	10:43:00	1	
187	765kV Antah-Phagi-I	Line	NR	TP	12-11-2015 14:06	Over current protection of ICT-I operated at Anta S/S	12-11-2015 15:03	0:57:00	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	NLDC Remarks
188	765kV Anpara C-Unnao	Line	NR	TL	30-11-2015 03:16	Phase to earth fault	30-11-2015 04:31	1:15:00	1	
189	765kV Angul-Jharsuguda-II	Line	ER	SO	01-11-2015 08:53	Line crossing work and AMP	02-11-2015 18:19	33:26:00	0	
190	765kV Angul-Jharsuguda-II	Line	ER	SO	03-11-2015 09:11	Line crossing work and AMP	03-11-2015 18:30	9:19:00	0	
765 kV Reactors & ICTs										
191	765/400 kV ICT-III at Raigarh-PS(Kotra)	ICT	WR	SO	04-11-2015 10:23	Tan-delta measurement at sweep frequency	04-11-2015 18:30	8:07:00	0	
192	765/400 kV ICT-II at Wardha	ICT	WR	SO	20-11-2015 09:14	AMP work at Wardha	20-11-2015 19:11	9:57:00	0	
193	765/400 kV ICT-II at Vindhyachal PS	ICT	WR	SO	21-11-2015 10:09	Spare ICT unit commissioning with ICT-II	21-11-2015 19:11	9:02:00	0	
194	765/400 kV ICT-II at Vadodara	ICT	WR	SO	15-11-2015 10:25	HV Testing of 400 kV GIS Duct of commissioning of Spare ICT	15-11-2015 18:40	8:15:00	0	
195	765/400 kV ICT-II at Tamnar-PS	ICT	WR	SO	21-11-2015 10:33	AMP work	21-11-2015 17:42	7:09:00	0	
196	765/400 kV ICT-II at Satna	ICT	WR	TP	05-11-2015 07:07	Differential Protection Operated	05-11-2015 17:27	10:20:00	1	
197	765/400 kV ICT-II at Satna	ICT	WR	SO	26-11-2015 11:31	CSD Commissioning	26-11-2015 18:37	7:06:00	1	
198	765/400 kV ICT-II at Ranchi New	ICT	ER	SC	12-11-2015 08:50	Bay construction work	12-11-2015 19:26	10:36:00	0	
199	765/400 kV ICT-II at Pune	ICT	WR	SO	04-11-2015 09:27	Implementation of master follower from RTCC	04-11-2015 19:19	9:52:00	0	
200	765/400 kV ICT-II at Nellore	ICT	SR	TP	14-11-2015 01:03	PRD MAL-OPERATION	14-11-2015 02:57	1:54:00	1	
201	765/400 kV ICT-II at Kurnool New	ICT	SR	SO	24-11-2015 09:50	CSD INSTALLATION	24-11-2015 21:50	12:00:00	0	
202	765/400 kV ICT-II at Jharsuguda	ICT	ER	SE	23-11-2015 17:45	EMERGENCY S/D TO INSPECT ICT ON RECEIPT OF BUCHHOLTZ ALARM	24-11-2015 17:00	23:15:00	0	
203	765/400 kV ICT-II at Aurangabad(PG)	ICT	WR	SO	27-11-2015 21:11	Tap Changing	28-11-2015 01:26	4:15:00	0	
204	765/400 kV ICT-I at Vadodara	ICT	WR	SO	15-11-2015 10:12	HV Testing of 400 kV GIS Duct of commissioning of Spare ICT	15-11-2015 18:39	8:27:00	0	
205	765/400 kV ICT-I at Seoni	ICT	WR	SE	18-11-2015 07:25	For isolating lock out Tie CB at Bilaspur	18-11-2015 07:49	0:24:00	0	
206	765/400 kV ICT-I at Satna	ICT	WR	SO	04-11-2015 12:14	CSD WORKS	04-11-2015 23:19	11:05:00	0	
207	765/400 kV ICT-I at Satna	ICT	WR	SO	25-11-2015 15:20	CSD Commissioning works	25-11-2015 22:24	7:04:00	0	
208	765/400 kV ICT-I at Pune	ICT	WR	SO	03-11-2015 09:38	Implementation of master follower from RTCC	03-11-2015 20:48	11:10:00	0	
209	765/400 kV ICT-I at Pune	ICT	WR	SO	23-11-2015 12:12	Control case replacement work	26-11-2015 20:17	80:05:00	0	
210	765/400 kV ICT-I at Kurnool New	ICT	SR	SO	25-11-2015 10:18	CSD INSTALLATION	25-11-2015 19:58	9:40:00	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	NLDC Remarks
211	765/400 kV ICT-I at Champa	ICT	WR	MO	01-11-2015 00:00	Taken out along with line	03-11-2015 17:35	65:35:00	0	
212	765/400 kV ICT-I at Aurangabad(PG)	ICT	WR	SO	20-11-2015 09:05	For normalisation of B-ph unit after repairs and to take out Y-ph unit	20-11-2015 18:29	9:24:00	0	
213	765/400 kV ICT-I at Aurangabad(PG)	ICT	WR	SO	27-11-2015 13:50	Tap Changing	27-11-2015 20:49	6:59:00	0	
214	765/400 kV ICT-I at Antah	ICT	NR	TS	12-11-2015 14:06	O/C in ICT	12-11-2015 14:53	0:47:00	1	
215	765/400 kV ICT-I at Anpara C	ICT	NR	SE	18-11-2015 15:35	Leakage in ICT Firefighting system	18-11-2015 18:16	2:41:00	0	
216	765/400 kV ICT at Akola	ICT	WR	SO	22-11-2015 11:22	Faulty ICT Removal	22-11-2015 18:38	7:16:00	0	
217	765/220 kV ICT-II at Lalitpur	ICT	NR	SO	26-11-2015 13:37	As a precautionary measure as R Phase of ICT#2is adjacent to plinth area of spare ICT.	01-12-2015 00:00	106:23:00	0	
218	B/R-II at Moga	Bus Reactor	NR	SO	18-11-2015 15:26	To take spare reactor in service	18-11-2015 17:51	2:25:00	0	No record in NRLDC site
219	B/R-II at Jharsuguda	Bus Reactor	ER	SO	27-11-2015 10:09	AMP WORK	27-11-2015 19:07	8:58:00	0	Missing in NLDC Report
220	B/R-II at Bina	Bus Reactor	WR	SE	25-11-2015 16:39	Oil Leakage from Y Phase Reactor	25-11-2015 18:45	2:06:00	0	
221	B/R-I at Vadodara	Bus Reactor	WR	SO	05-11-2015 10:55	CSD commissioning work	05-11-2015 17:21	6:26:00	0	
222	B/R-I at Seoni	Bus Reactor	WR	SO	27-11-2015 07:52	AMP Work	27-11-2015 17:46	9:54:00	0	
223	B/R-I at Jharsuguda	Bus Reactor	ER	SO	19-11-2015 11:05	AMP	19-11-2015 18:33	7:28:00	0	
224	B/R-I at Bilaspur	Bus Reactor	WR	SO	04-11-2015 08:28	For gasket replacement work	04-11-2015 17:20	8:52:00	0	
400kV - IR										
225	400 kV Zerda-Kankaroli	Line	WR/NR	SO	16-11-2015 10:20	CVT replacement work at Zerda end	16-11-2015 20:19	9:59:00	0	
226	400 kV Tala - Binaguri - I	Line	Bhutan	MO	01-11-2015 00:00	Opened to control O/V	23-11-2015 09:06	537:06:00	0	
227	400 kV Siliguri-Bongaigaon-IV	Line	ER/NER	MO	03-11-2015 21:34	Opened manually due to High Voltage	11-11-2015 16:40	187:06:00	0	
228	400 kV Siliguri-Bongaigaon-IV	Line	ER/NER	MO	11-11-2015 03:27	Opened manually due to High Voltage	12-11-2015 08:54	29:27:00	0	
229	400 kV Siliguri-Bongaigaon-IV	Line	ER/NER	MO	12-11-2015 22:43	Opened manually due to High Voltage	13-11-2015 18:04	19:21:00	0	
230	400 kV Siliguri-Bongaigaon-IV	Line	ER/NER	MO	18-11-2015 19:53	Opened manually due to High Voltage	26-11-2015 13:18	185:25:00	0	
231	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	TS	02-11-2015 12:50	B-phase LA blast at Bongaigaon end	02-11-2015 17:56	5:06:00	1	
232	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	MO	02-11-2015 23:28	Opened manually due to High Voltage	03-11-2015 17:37	18:09:00	1	
233	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	MO	13-11-2015 19:10	Opened manually due to High Voltage	18-11-2015 17:44	118:34:00	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	NLDC Remarks
234	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	MO	26-11-2015 12:54	Opened manually due to High Voltage	29-11-2015 17:15	76:21:00	1	
235	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	TS	01-11-2015 00:00	CVT problem at Bongaigaon	01-11-2015 13:08	13:08:00	1	
236	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	MO	07-11-2015 23:30	Opened manually due to High Voltage	08-11-2015 17:14	17:44:00	1	
237	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	TL	11-11-2015 03:39	Distance Protection	12-11-2015 12:54	33:15:00	2	
238	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	MO	12-11-2015 23:19	Opened manually due to High Voltage	17-11-2015 18:36	115:17:00	2	
239	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	MO	23-11-2015 13:25	Opened manually due to High Voltage	23-11-2015 16:42	3:17:00	2	
240	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	MO	23-11-2015 23:34	Opened manually due to High Voltage	24-11-2015 16:28	16:54:00	2	
241	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	MO	09-11-2015 00:14	Opened manually due to High Voltage	09-11-2015 07:55	7:41:00	0	
242	400 kV Siliguri-Bongaigaon-I	Line	ER/NER	MO	28-11-2015 10:32	Opened manually due to High Voltage	01-12-2015 00:00	61:28:00	0	
243	400 kV Sasaram-Sarnath	Line	ER/NR	SO	23-11-2015 10:43	Insulator washing by distilled water.	23-11-2015 19:01	8:18:00	0	
244	400 kV Sasaram-Allahabad	Line	ER/NR	SO	21-11-2015 08:50	To attend pollution on insulators strings of both lines	21-11-2015 16:14	7:24:00	0	
245	400 kV Sasaram-Allahabad	Line	ER/NR	SO	30-11-2015 10:43	Rectification of damaged insulators strings	30-11-2015 18:56	8:13:00	0	
246	400 kV Ranchi-Sipat-II	Line	ER/WR	SO	03-11-2015 11:55	To take out L/R of 400 kV Sipat-2 at Ranchi, FOR TAN DELTA MEASUREMENT OF 400KV Line	03-11-2015 16:02	4:07:00	0	
247	400 kV Ranchi-Sipat-II	Line	ER/WR	SO	16-11-2015 14:01	Leakage and gasket replacement of Bushing of line reactor	25-11-2015 17:34	219:33:00	0	
248	400 kV Ranchi-Sipat-I	Line	ER/WR	SO	02-11-2015 15:46	TO ATTEND PROBLEM IN L/R AT RANCHI END	02-11-2015 17:30	1:44:00	0	
249	400 kV Patna-Balia-IV	Line	ER/NR	SE	25-11-2015 11:38	Replacement of damaged insulator	25-11-2015 18:43	7:05:00	0	
250	400 kV Patna-Balia-II	Line	ER/NR	SO	13-11-2015 08:10	Shield wire stringing from tower to New Gentry and new gentry to old Gentry	13-11-2015 19:39	11:29:00	0	
251	400 kV Patna-Balia-II	Line	ER/NR	SO	14-11-2015 08:09	Shield wire stringing from tower to New Gentry and new gentry to old Gentry	14-11-2015 20:44	12:35:00	0	
252	400 kV Patna-Balia-II	Line	ER/NR	SC	15-11-2015 08:22	Pre-commissioning tests and jumpering work	15-11-2015 18:57	10:35:00	0	
253	400 kV Patna-Balia-I	Line	ER/NR	SC	13-11-2015 08:08	Shield wire stringing from tower to New Gentry and new gentry to old Gentry	13-11-2015 19:25	11:17:00	0	
254	400 kV Patna-Balia-I	Line	ER/NR	SC	14-11-2015 08:08	Shield wire stringing from tower to New Gentry and new gentry to old Gentry	14-11-2015 20:42	12:34:00	0	
255	400 kV Malbase - Binaguri - I	Line	Bhutan	SO	25-11-2015 09:53	Testing of energy meter	25-11-2015 11:48	1:55:00	0	
256	400 kV Kolhapur-Kudgi-I	Line	WR/SR	MO	14-11-2015 20:19	Opened manually due to High Voltage	17-11-2015 18:43	70:24:00	0	
257	400 kV Bhadrawati-Ramagundam-II	Line	WR/SR	SO	26-11-2015 08:56	Replacement of Critical Insulators identified in PID testing with CLR Polymer Insulators.	26-11-2015 19:10	10:14:00	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	NLDC Remarks
258	400 kV Bhadrawati-Ramagundam-II	Line	WR/SR	SO	27-11-2015 08:35	Replacement of Critical Insulators identified in PID testing with CLR Polymer Insulators.	27-11-2015 18:32	9:57:00	0	
259	400 kV Bhadrawati-Ramagundam-II	Line	WR/SR	SO	28-11-2015 08:37	Replacement of Critical Insulators identified in PID testing with CLR Polymer Insulators.	28-11-2015 19:30	10:53:00	0	
260	400 kV Behramara-Behrampore-I	Line	Bangladesh	SO	20-11-2015 06:34	AMP	20-11-2015 15:27	8:53:00	0	
261	400 kV Behramara-Behrampore-I	Line	Bangladesh	SO	21-11-2015 06:41	AMP	21-11-2015 15:24	8:43:00	0	
220 kV - IR										
262	220 kV Talangde-Chikkodi	Line	WR/SR	SO	06-11-2015 11:59	A/R Scheme Checking	06-11-2015 21:45	9:46:00	0	Record missing in WRLDC
263	220 kV Mudasangi (Kolhapur)-Chikkodi	Line	WR/SR	SE	06-11-2015 14:55	H/T to prevent Arcing	06-11-2015 18:00	3:05:00	0	Record missing in WRLDC
264	220 kV Malbase - Birpara	Line	Bhutan	MO	01-11-2015 00:00	Opened to control flow in CHPC-Malbase	17-11-2015 13:16	397:16:00	0	
265	220 kV Malanpur-Auraiya	Line	WR/NR	SC	06-11-2015 11:08	Construction of new bay	06-11-2015 17:49	6:41:00	0	
266	220 kV Malanpur-Auraiya	Line	WR/NR	TL	18-11-2015 23:31	Phase to earth fault	19-11-2015 00:02	0:31:00	1	
267	220 kV Chukha - Birpara - I	Line	Bhutan	SO	05-11-2015 09:17	Busbar protection commissioning	05-11-2015 21:15	11:58:00	0	
268	220 kV Budhipadar-Korba-II	Line	ER/WR	SE	27-11-2015 11:14	HOTSPOT	27-11-2015 19:50	8:36:00	0	
269	220 kV Birpara-Salakati-II	Line	ER/NER	TL	20-11-2015 16:49	Distance Protection	20-11-2015 17:40	0:51:00	1	
270	220 kV Birpara-Salakati-I	Line	ER/NER	TL	20-11-2015 16:49	Distance Protection	20-11-2015 17:40	0:51:00	1	
271	220 kV Badod-Modak	Line	WR/NR	SO	22-11-2015 10:27	For shifting the line from old tower to ERS tower	22-11-2015 12:52	2:25:00	0	
272	220 kV Badod-Modak	Line	WR/NR	TS	27-11-2015 23:35	PT Burst of Badod-Sakatpur/Bus Bar Protection Operated	28-11-2015 01:33	1:58:00	1	No record in NRLDC site
273	220 kV Badod-Kota	Line	WR/NR	SC	21-11-2015 10:32	For shifting the line from old tower to ERS tower	21-11-2015 15:35	5:03:00	0	
274	220 kV Badod-Kota	Line	WR/NR	TS	27-11-2015 23:35	PT Burst of Badod-Sakatpur/Bus Bar Protection Operated	28-11-2015 19:02	19:27:00	1	No record in NRLDC site

TL = Tripping due to Line Fault
Total Number of 765 kV lines 85

TS = Tripping due to S/S Fault
Total Number of 400 kV lines 33

MO = Opened due to system constraints
Total Number of 220 kV lines 15

TV = Tripped on Overvoltage
Total Number of HVDC links 18

SC = Planned Shutdown for construction activities
Total Number of 765 kV ICTs 106

SO = Planned Shutdown for O&M activities
Total Number of 765 kV B/R 56

SE = Emergency Shutdown
Grand Total 313

TP = Protection Maloperation

ME = Miscellaneous outage



POWER SYSTEM OPERATION CORPORATION LIMITED

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

NATIONAL LOAD DESPATCH CENTRE – राष्ट्रीय भार प्रेषण केन्द्र

POWERGRID, B-9, Qutab Institutional Area,

Katwaria Sarai, New Delhi-110016.