

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A wholly owned subsidiary of POWERGRID)



राष्ट्रीय भार प्रेषण केन्द्र : बी - 9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
National Load Despatch Centre : B - 9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016
Website : www.nldc.in, www.nldcindia.in, Tel. : 011-26536832, 26524522, Fax : 011-26524525, 26536901

संदर्भ संख्या:-POSOCO/NLDC/GM/

दिनांक: 23.03.2016

सेवा में,

वितरण सूची के अनुसार

विषय:- निष्पादन रिपोर्ट - फरवरी 2016

महोदय,

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

धन्यवाद

भवदीय

एस. आर. नरसिम्हन

(एस. आर. नरसिम्हन)

अपर महाप्रबंधक

(रा०भा०प्रे०के०)

संलग्नक: मासिक प्रणाली रिपोर्ट

वितरण सूची Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001
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Chief Engineer (GM), CEA, Sewa Bhavan, R.K.Puram, New Delhi-110066
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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
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- 7 सदस्य सचिव, उ. पू. क्षे. वि. स., मेघालय राज्य आवासीय वित्त सहकारी समिति लिमिटेड भवन, नॉग्रिम हिल्स, शिलोंग - 793003
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- 8 महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
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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
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General Manager, NERLDC, Dongtiah, Lower Nongrah, Laplang, Shillong-793006



POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

NATIONAL LOAD DESPATCH CENTRE –राष्ट्रीय भार प्रेषण केन्द्र

मासिक ऑपरेशन रिपोर्ट

Monthly
Operation Report



फरवरी 2016

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

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



माह फरवरी 2016 के लिए प्रचालन निष्पादन रिपोर्ट
OPERATIONAL PERFORMANCE REPORT FOR THE
MONTH OF FEBRUARY 2016

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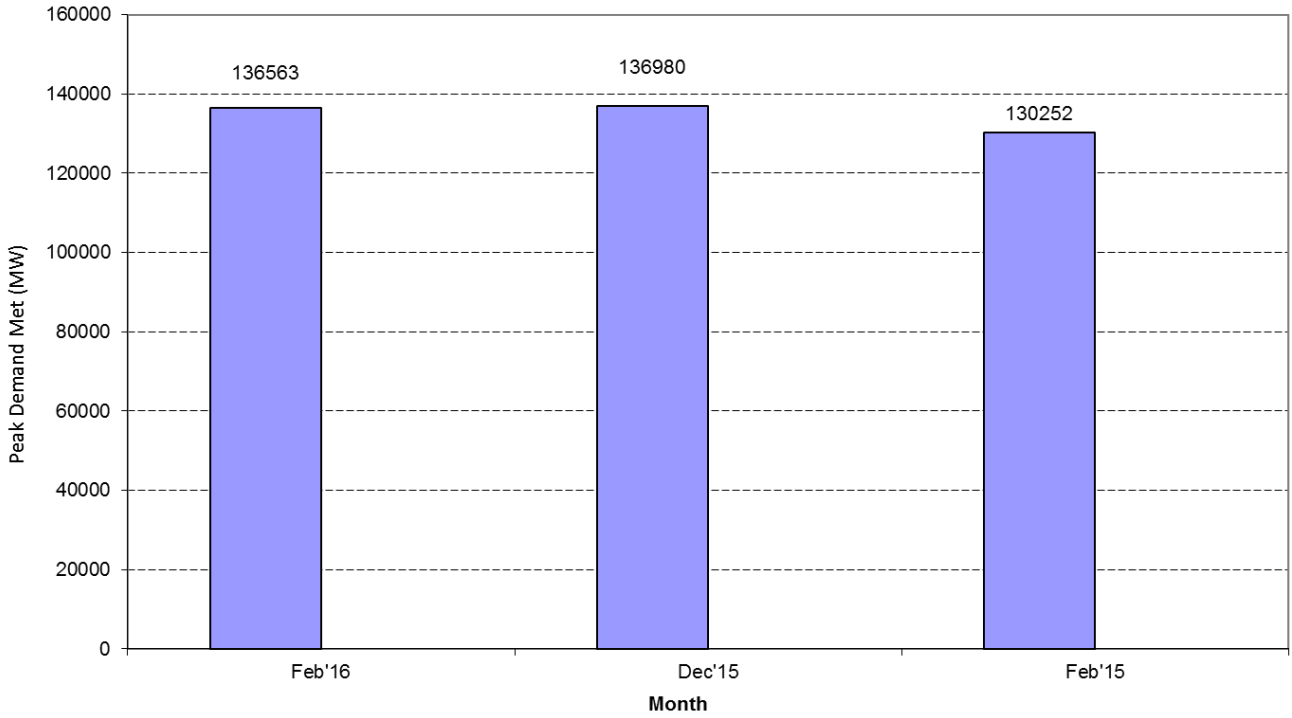
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1. SUMMARY OF REPORT FOR THE MONTH OF FEBRUARY 2016

Peak Demand Met

Decreased by 0.30% as compared to Jan 2016

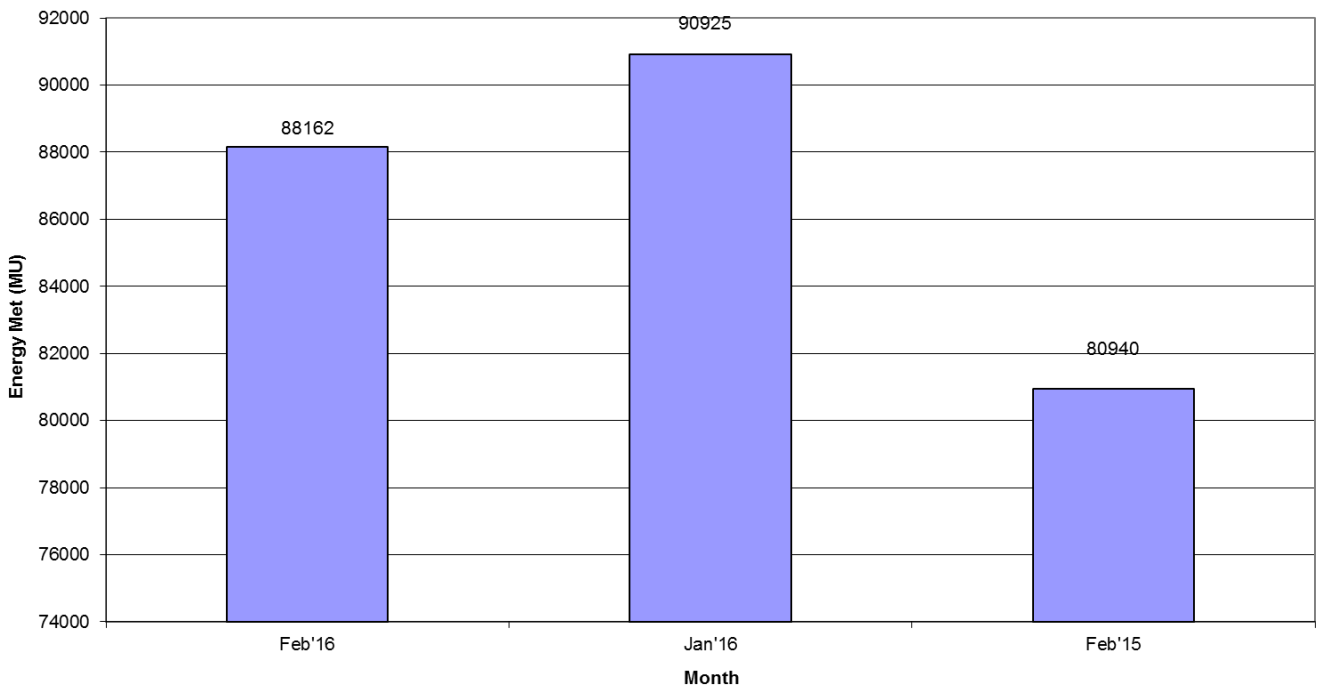
Increased by 4.85% as compared to Feb 2015



Energy Met

Decreased by 3.04% as compared to Jan 2016

Increased by 8.92% as compared to Feb 2015

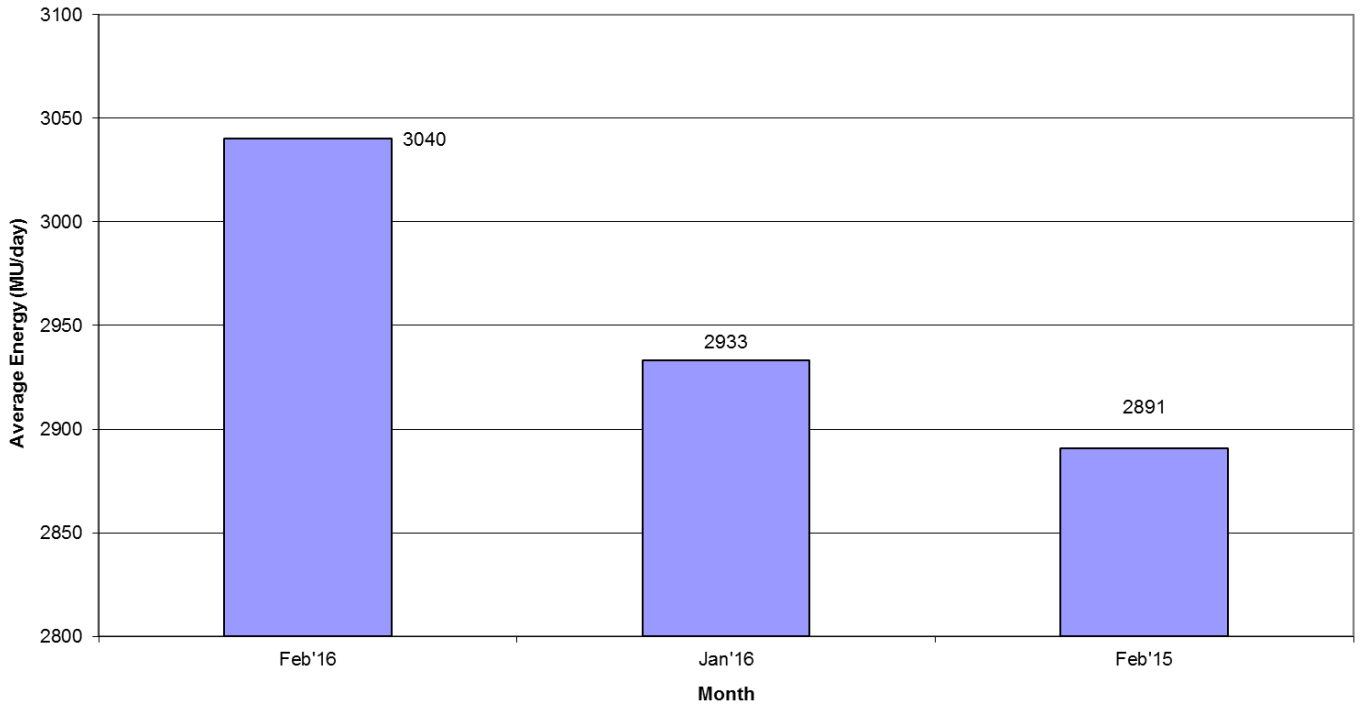


1. SUMMARY OF REPORT FOR THE MONTH OF FEBRUARY 2016

Average Energy (MU/day)

Increased by 3.65% as compared to Jan 2016

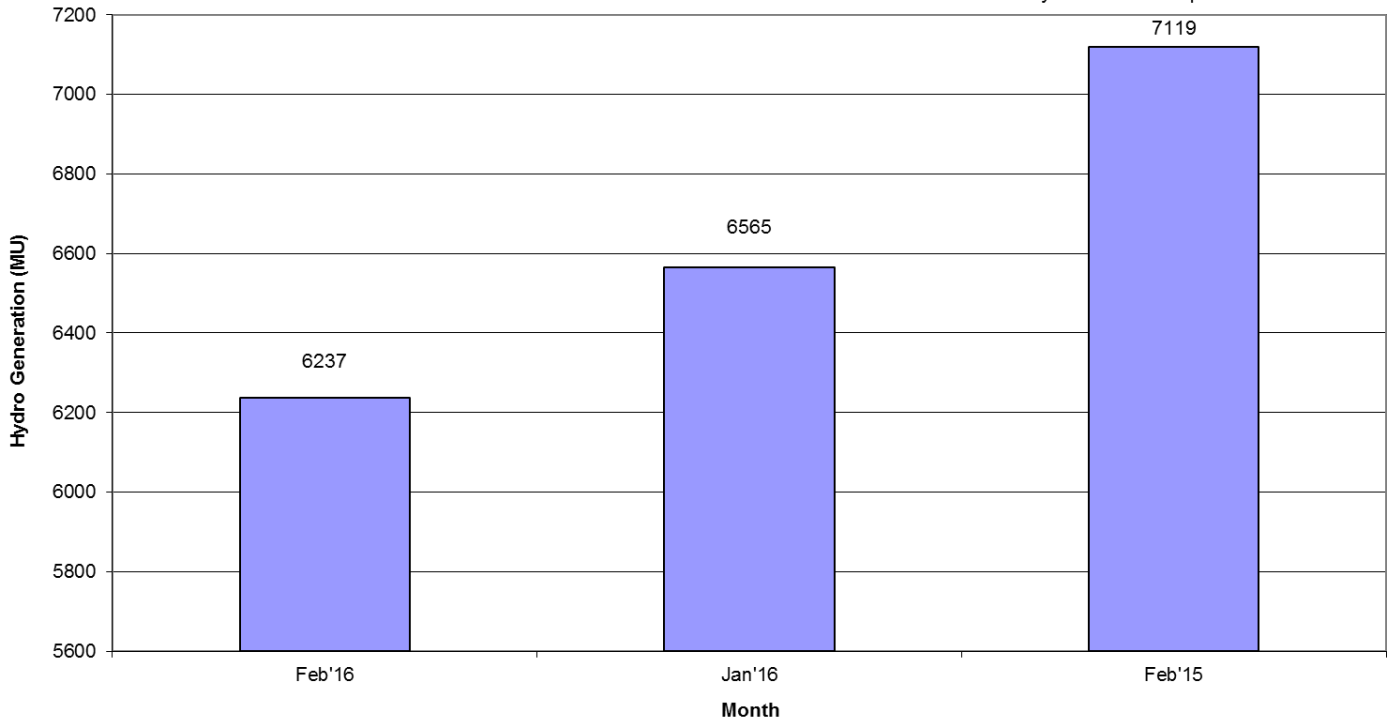
Increased by 5.16% as compared to Feb 2015



Hydro generation

Decreased by 4.99% as compared to Jan 2016

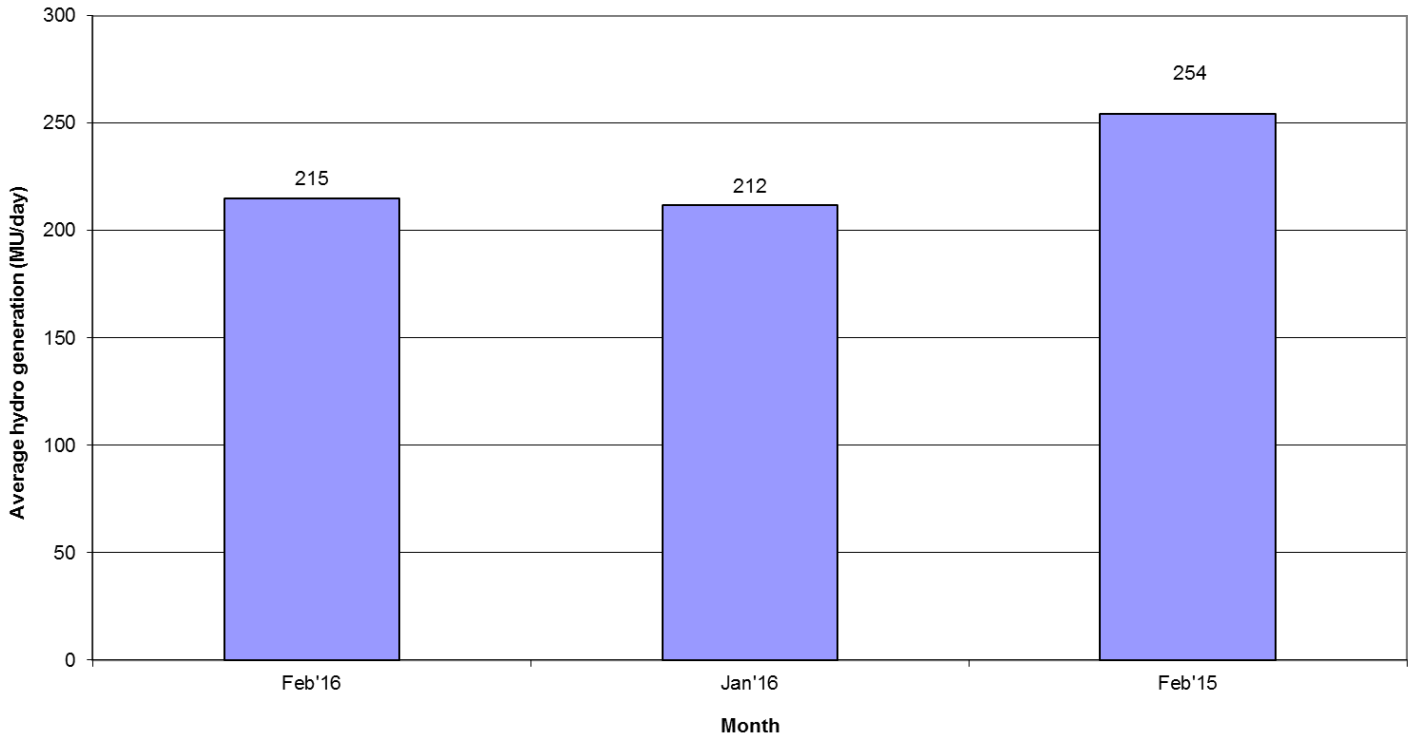
Decreased by 12.38% as compared to Feb 2015



1. SUMMARY OF REPORT FOR THE MONTH OF FEBRUARY 2016

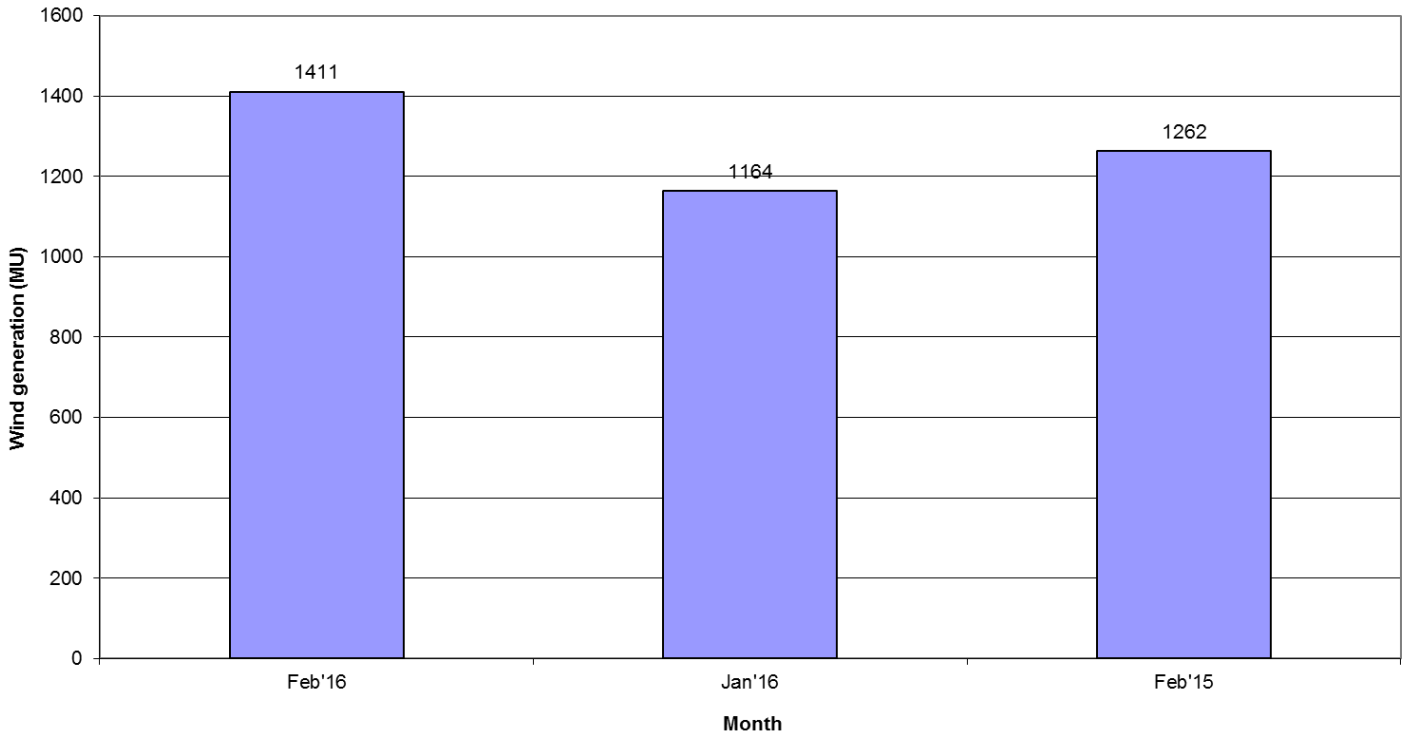
Average Hydro Generation

Increased by 1.56% as compared to Jan 2016
Decreased by 15.41% as compared to Feb 2015



Wind Generation

Increased by 21.25% as compared to Jan 2016
Increased by 11.75% as compared to Feb 2015

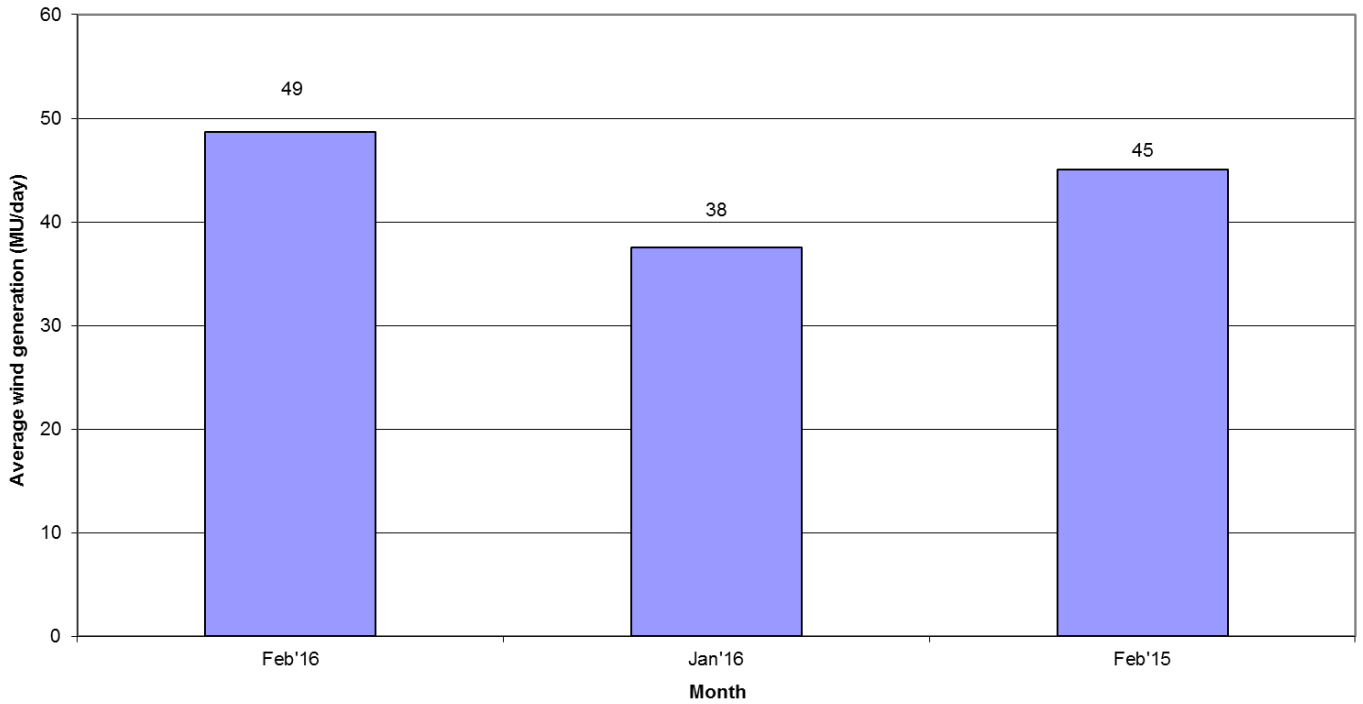


1. SUMMARY OF REPORT FOR THE MONTH OF FEBRUARY 2016

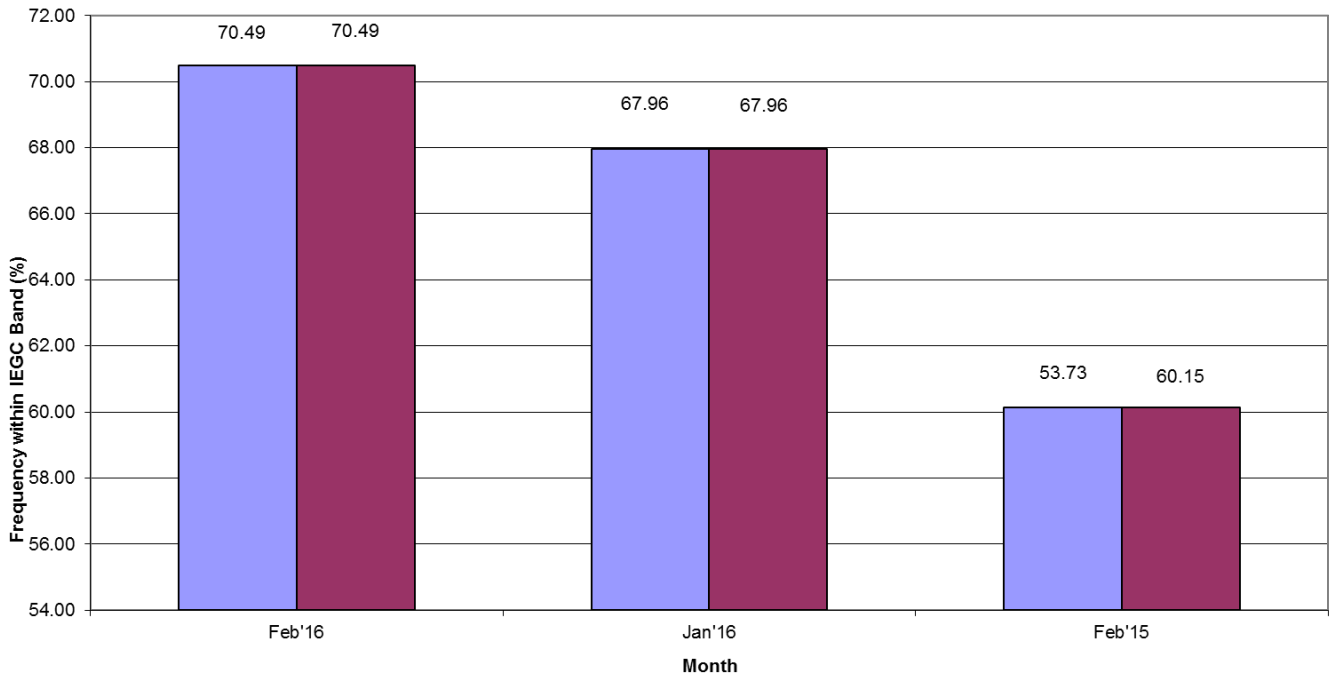
Average wind generation (MU/day)

Increased by 29.61% as compared to Jan 2016

Increased by 7.90% as compared to Feb 2015



Frequency within IEGC Band



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

(2) ALL INDIA REGIONWISE INSTALLED CAPACITY

As on 29.02.2016
(All figures are in MW)

S No	Region	THERMAL				NUCLEAR	HYDRO	RES @ MNRE	GRAND TOTAL
		COAL	GAS	DIESEL	TOTAL				
1	NR	43194	5331	0	48525	1620	18247	8167	76558
2	WR	68499	10815	0	79314	1840	7448	13698	102300
3	SR	33823	6474	917	41214	2320	11518	16213	71265
4	ER	30033	190	0	30223	0	4249	470	34942
5	NER	310	1698	36	2044	0	1242	263	3549
6	ISLANDS	0	0	40	40	0	0	11	51
		175858	24508	994	201359	5780	42703	38821	288664

Remarks: Data from CEA website

3. राष्ट्रीय स्तर पर संध्याकालीन शिखर विद्युत मांग पूर्ति

PEAK DEMAND MET AT NATIONAL LEVEL

माह:- फरवरी २०१६

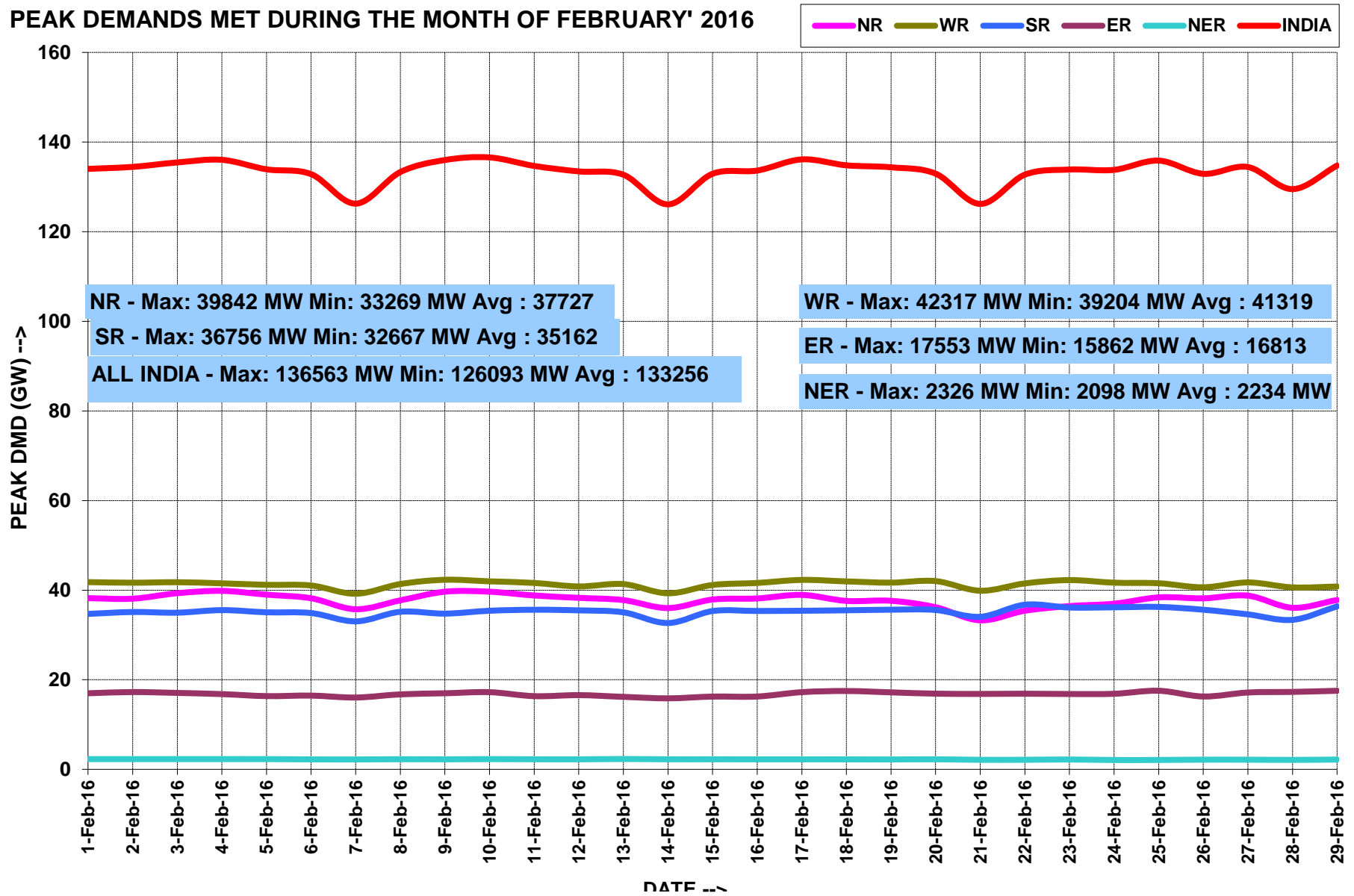
MONTH:- February 2016

सभी आंकड़े मेगावाट में All figures in MW

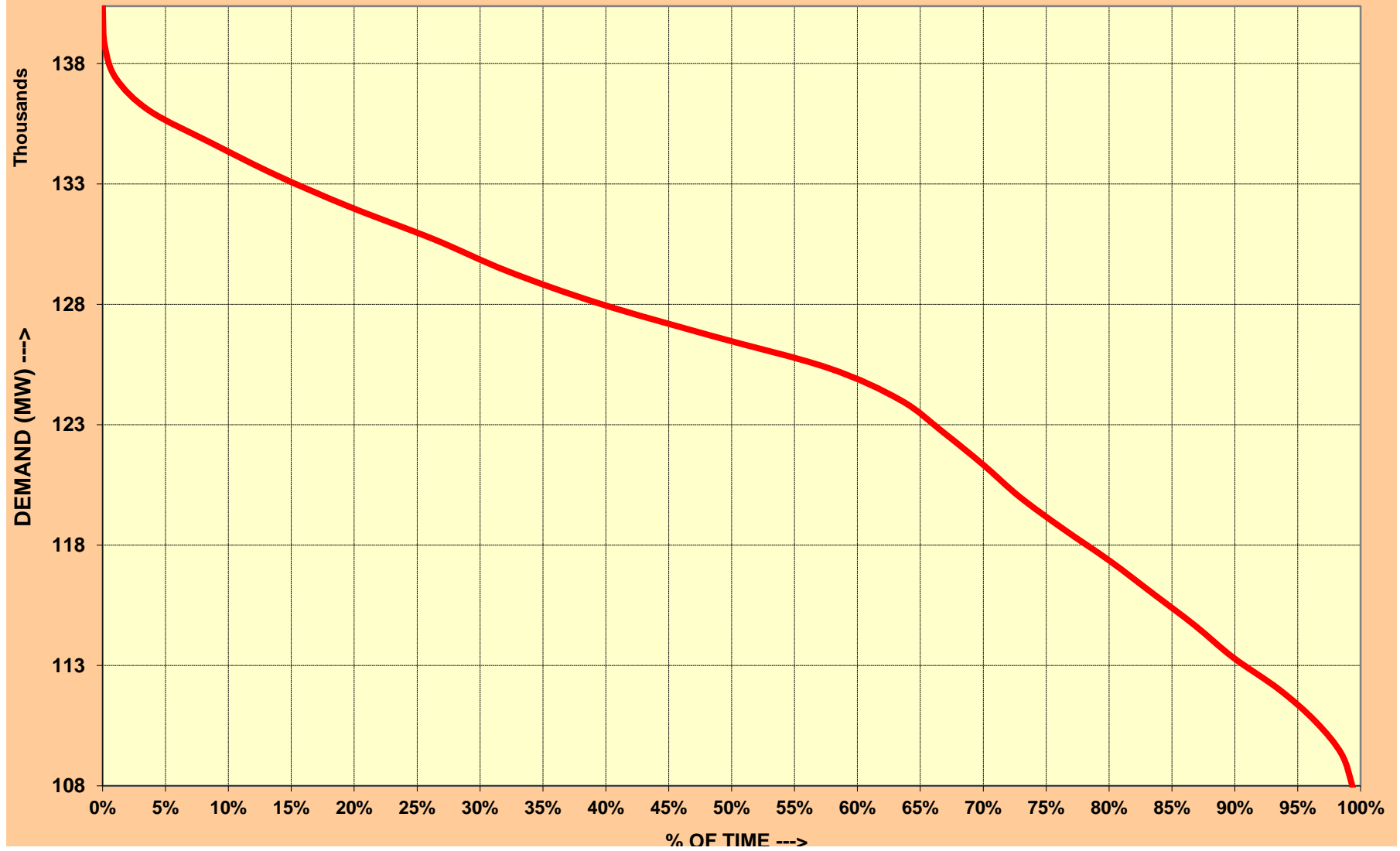
दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Feb-16	38215	41791	34702	16991	2304	134003
02-Feb-16	38099	41662	35125	17265	2302	134453
03-Feb-16	39321	41771	34976	17070	2305	135444
04-Feb-16	39842	41524	35547	16807	2305	136025
05-Feb-16	39002	41189	35061	16359	2300	133911
06-Feb-16	38192	41041	34892	16471	2239	132835
07-Feb-16	35741	39204	33038	16045	2224	126252
08-Feb-16	37730	41369	35174	16750	2278	133301
09-Feb-16	39657	42317	34766	16988	2255	135983
10-Feb-16	39657	41967	35406	17235	2298	136563
11-Feb-16	38810	41612	35631	16349	2264	134666
12-Feb-16	38287	40832	35492	16576	2254	133441
13-Feb-16	37784	41349	35053	16191	2326	132703
14-Feb-16	36006	39299	32667	15862	2259	126093
15-Feb-16	37908	41157	35338	16252	2262	132918
16-Feb-16	38154	41610	35351	16268	2249	133632
17-Feb-16	38941	42288	35405	17241	2249	136124
18-Feb-16	37602	41953	35504	17499	2242	134800
19-Feb-16	37628	41676	35639	17194	2224	134361
20-Feb-16	36191	42020	35573	16903	2257	132944
21-Feb-16	33269	39872	34057	16843	2143	126184
22-Feb-16	35406	41506	36756	16893	2152	132713
23-Feb-16	36447	42246	36126	16825	2216	133860
24-Feb-16	36976	41667	36173	16877	2098	133791
25-Feb-16	38391	41541	36259	17553	2111	135855
26-Feb-16	38180	40641	35636	16275	2178	132910
27-Feb-16	38771	41720	34597	17164	2170	134422
28-Feb-16	36073	40616	33378	17297	2127	129491
29-Feb-16	37803	40810	36382	17548	2204	134747
उच्चतम MAXIMUM	39842	42317	36756	17553	2326	136563
निम्नतम MINIMUM	33269	39204	32667	15862	2098	126093
औसत AVERAGE	37727	41319	35162	16813	2234	133256
अब तक का उच्चतम All Time Max.	50354	47617	36756	18574	2347	147655
दिनांक Date	11.09.15	20.10.15	22.02.16	17.10.15	14.11.15	11.09.15

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

PEAK DEMANDS MET DURING THE MONTH OF FEBRUARY' 2016



ALL INDIA LOAD DURATION CURVE FOR FEBRUARY' 2016



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

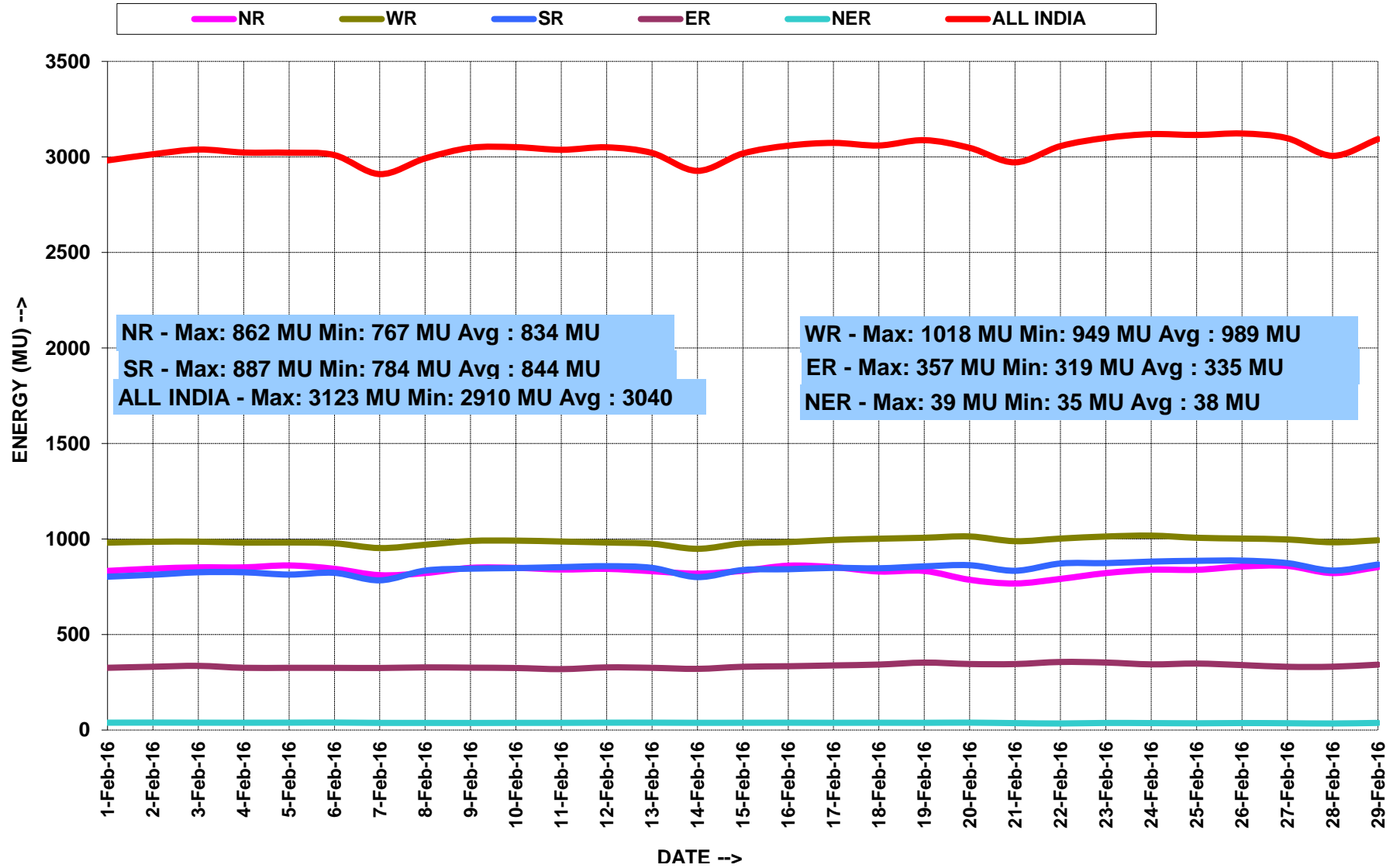
माह:- फरवरी २०१६

MONTH:- February 2016

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Feb-16	833	981	803	326	39	2982
02-Feb-16	845	986	813	331	39	3014
03-Feb-16	852	986	826	336	39	3039
04-Feb-16	852	981	826	326	39	3023
05-Feb-16	862	982	814	326	39	3022
06-Feb-16	844	978	823	326	39	3010
07-Feb-16	811	953	784	325	38	2910
08-Feb-16	822	970	835	328	38	2993
09-Feb-16	849	990	845	327	37	3048
10-Feb-16	849	992	848	325	38	3052
11-Feb-16	841	987	853	319	38	3038
12-Feb-16	844	982	858	328	39	3051
13-Feb-16	832	976	849	326	39	3021
14-Feb-16	819	949	801	320	38	2927
15-Feb-16	834	977	838	331	38	3018
16-Feb-16	861	984	842	334	39	3059
17-Feb-16	853	995	849	338	38	3074
18-Feb-16	830	1002	847	343	38	3060
19-Feb-16	833	1007	857	353	38	3088
20-Feb-16	787	1014	863	346	39	3048
21-Feb-16	767	989	834	346	36	2972
22-Feb-16	791	1002	872	357	35	3057
23-Feb-16	822	1013	874	354	37	3100
24-Feb-16	839	1018	882	344	37	3120
25-Feb-16	839	1007	886	348	36	3115
26-Feb-16	856	1003	887	340	37	3123
27-Feb-16	859	998	874	331	36	3098
28-Feb-16	822	983	835	332	35	3006
29-Feb-16	853	993	867	342	38	3093
कुल TOTAL	24199	28677	24485	9709	1091	88162
उच्चतम MAXIMUM	862	1018	887	357	39	3123
निम्नतम MINIMUM	767	949	784	319	35	2910
औसत AVERAGE	834	989	844	335	38	3040
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 FEBRUARY' 2016



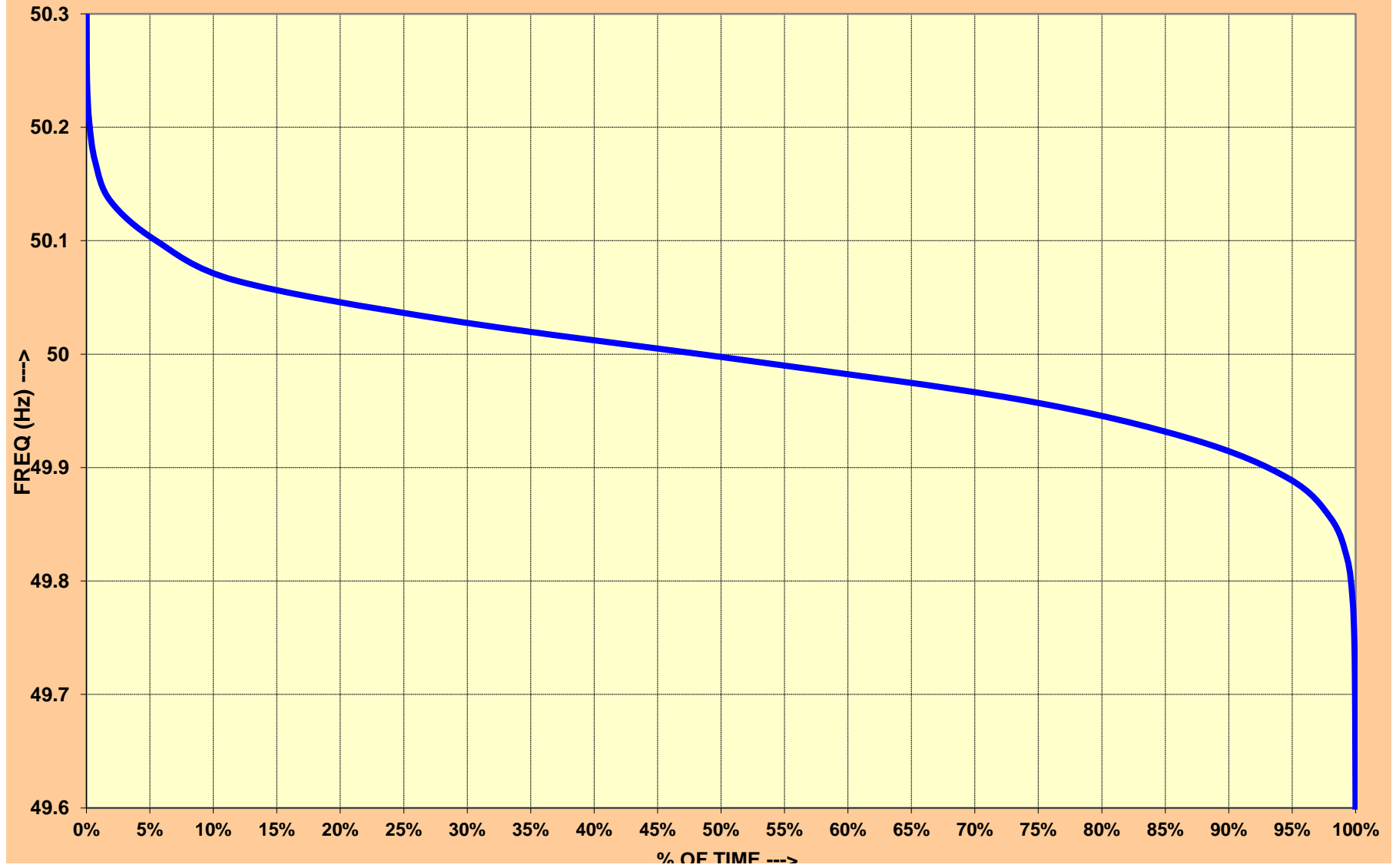
5.वर्ष 2015-16 के लिए आवृत्ति रूपरेखा FREQUENCY PROFILE FOR YEAR 2015-16

राष्ट्रीय गिड NATIONAL GRID									
फ़िक्वेंसी रूपरेखा (Hz)		49.0-49.9	<49.9	49.9-50.05	>50.05	उच्चतम फ़िक्वेंसी	निम्नतम फ़िक्वेंसी	औसत फ़िक्वेंसी	
% समय	Feb-16	All India Grid	5.62	5.62	70.49	23.89	50.39	49.71	50.01
	Jan-16	All India Grid	9.19	9.19	67.96	22.85	50.39	49.70	50.00
	Dec-15	All India Grid	16.38	16.38	66.07	17.55	50.32	49.59	49.98
	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

5.2 फरवरी २०१६ के लिए आवृत्ति रूपरेखा FREQUENCY PROFILE FOR February 2016

फ़िक्वेंसी रूपरेखा (Hz)		<49.0	49.0-49.9	<49.9	49.9-50.05	>50.05	उच्चतम फ़िक्वेंसी	निम्नतम फ़िक्वेंसी	औसत फ़िक्वेंसी
% समय	01-Feb-16	0.00	1.46	1.46	57.75	40.79	50.25	49.82	50.04
	02-Feb-16	0.00	3.74	3.74	70.78	25.49	50.22	49.77	50.01
	03-Feb-16	0.00	4.09	4.09	69.38	26.54	50.18	49.79	50.01
	04-Feb-16	0.00	2.14	2.14	68.53	29.33	50.19	49.78	50.02
	05-Feb-16	0.00	7.08	7.08	77.21	15.71	50.17	49.81	49.99
	06-Feb-16	0.00	1.52	1.52	71.48	27.00	50.24	49.84	50.01
	07-Feb-16	0.00	0.12	0.12	61.20	38.68	50.27	49.90	50.04
	08-Feb-16	0.00	4.75	4.75	72.82	22.43	50.19	49.75	50.00
	09-Feb-16	0.00	1.93	1.93	66.92	31.15	50.24	49.83	50.02
	10-Feb-16	0.00	1.06	1.06	62.57	36.37	50.28	49.87	50.03
	11-Feb-16	0.00	0.90	0.90	68.61	30.49	50.27	49.86	50.03
	12-Feb-16	0.00	1.72	1.72	77.45	20.82	50.32	49.86	50.01
	13-Feb-16	0.00	1.34	1.34	73.76	24.90	50.23	49.86	50.01
	14-Feb-16	0.00	1.92	1.92	67.30	30.78	50.39	49.83	50.02
	15-Feb-16	0.00	3.23	3.23	72.78	23.99	50.26	49.80	50.01
	16-Feb-16	0.00	5.39	5.39	75.65	18.96	50.26	49.78	50.00
	17-Feb-16	0.00	5.93	5.93	77.09	16.98	50.21	49.79	50.00
	18-Feb-16	0.00	8.98	8.98	70.75	20.27	50.23	49.76	49.99
	19-Feb-16	0.00	17.48	17.48	72.57	9.95	50.17	49.71	49.97
	20-Feb-16	0.00	5.61	5.61	73.07	21.32	50.26	49.81	50.00
	21-Feb-16	0.00	3.32	3.32	70.01	26.67	50.25	49.82	50.01
	22-Feb-16	0.00	7.27	7.27	72.33	20.41	50.23	49.72	50.00
	23-Feb-16	0.00	15.07	15.07	69.72	15.21	50.26	49.75	49.98
	24-Feb-16	0.00	7.04	7.04	74.50	18.46	50.26	49.78	50.00
	25-Feb-16	0.00	15.29	15.29	70.41	14.31	50.30	49.71	49.97
	26-Feb-16	0.00	11.63	11.63	67.69	20.68	50.35	49.76	49.99
	27-Feb-16	0.00	9.43	9.43	69.87	20.69	50.29	49.75	49.99
	28-Feb-16	0.00	9.10	9.10	67.44	23.46	50.26	49.78	50.00
	29-Feb-16	0.00	4.49	4.49	74.61	20.90	50.24	49.80	50.00

ALL INDIA FREQUENCY DURATION CURVE FOR FEBRUARY' 2016



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

माह:- फरवरी २०१६

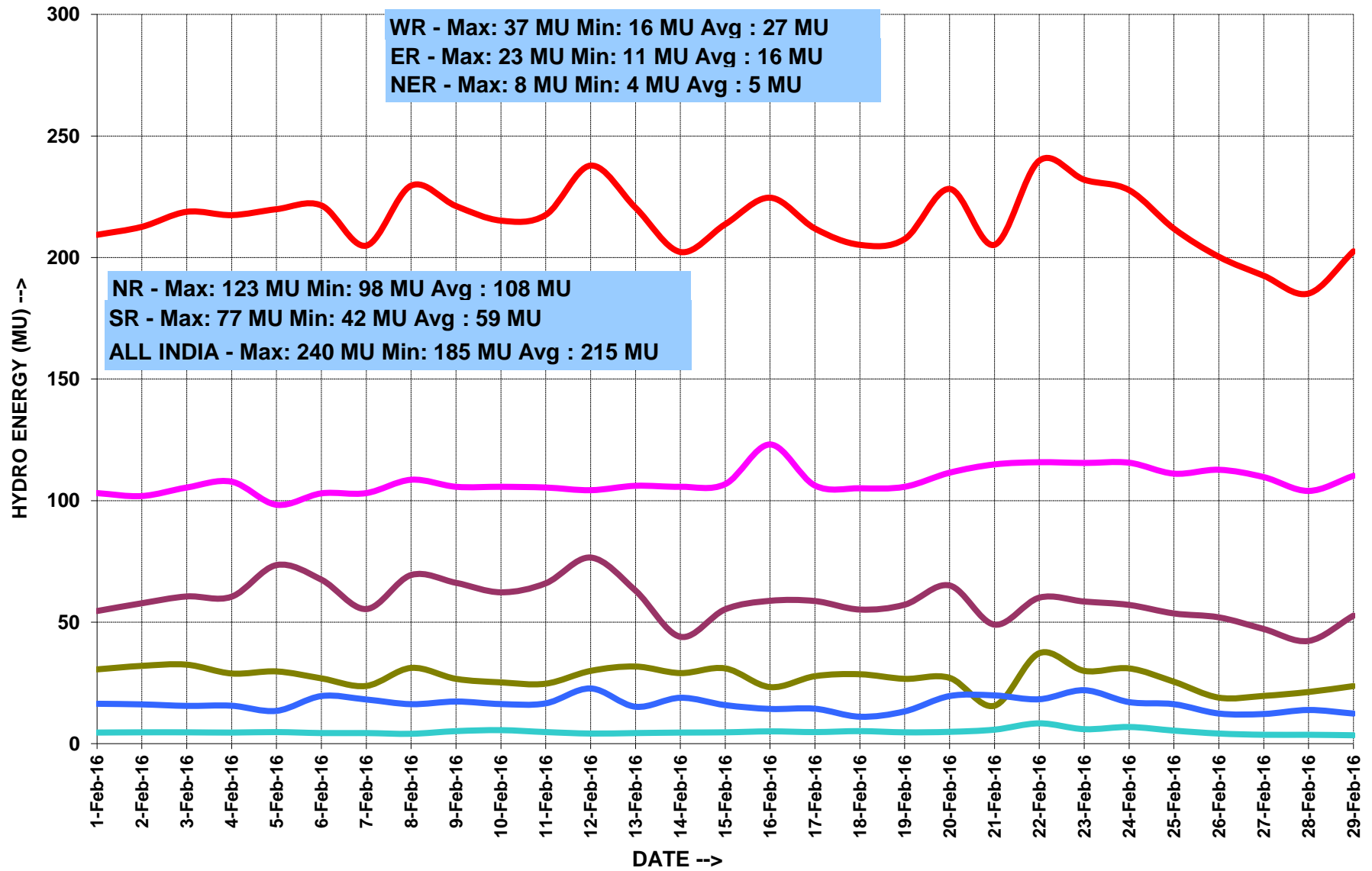
MONTH:- February 2016

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Feb-16	103	31	55	16	5	209
02-Feb-16	102	32	58	16	5	213
03-Feb-16	105	33	61	16	5	219
04-Feb-16	108	29	61	16	5	217
05-Feb-16	98	30	74	14	5	220
06-Feb-16	103	27	68	20	4	221
07-Feb-16	103	24	55	18	4	205
08-Feb-16	109	31	69	16	4	230
09-Feb-16	106	27	66	17	5	221
10-Feb-16	106	25	62	16	6	215
11-Feb-16	105	25	66	17	5	218
12-Feb-16	104	30	77	23	4	238
13-Feb-16	106	32	63	15	4	220
14-Feb-16	106	29	44	19	5	202
15-Feb-16	107	31	55	16	5	214
16-Feb-16	123	23	59	14	5	225
17-Feb-16	106	28	59	14	5	212
18-Feb-16	105	29	55	11	5	205
19-Feb-16	106	27	57	13	5	208
20-Feb-16	112	27	65	20	5	228
21-Feb-16	115	16	49	20	6	205
22-Feb-16	116	37	60	18	8	240
23-Feb-16	116	30	59	22	6	232
24-Feb-16	116	31	57	17	7	228
25-Feb-16	111	26	54	16	5	212
26-Feb-16	113	19	52	12	4	200
27-Feb-16	110	20	47	12	4	193
28-Feb-16	104	21	42	14	4	185
29-Feb-16	110	24	53	12	4	203
कुल TOTAL	3132	791	1700	472	142	6237
उच्चतम MAXIMUM	123	37	77	23	8	240
निम्नतम MINIMUM	98	16	42	11	4	185
औसत AVERAGE	108	27	59	16	5	215
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 FEBRUARY' 2016

NR WR SR ER NER INDIA



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

माह:- फरवरी २०१६

MONTH:- February 2016

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Feb-16	5	16	17	-----	-----	37
02-Feb-16	2	23	13	-----	-----	38
03-Feb-16	2	28	11	-----	-----	41
04-Feb-16	3	22	17	-----	-----	42
05-Feb-16	4	20	19	-----	-----	44
06-Feb-16	6	28	15	-----	-----	49
07-Feb-16	3	22	8	-----	-----	33
08-Feb-16	5	22	13	-----	-----	39
09-Feb-16	4	23	10	-----	-----	37
10-Feb-16	4	27	9	-----	-----	40
11-Feb-16	8	31	8	-----	-----	47
12-Feb-16	3	27	8	-----	-----	38
13-Feb-16	8	20	8	-----	-----	36
14-Feb-16	6	28	15	-----	-----	49
15-Feb-16	18	35	15	-----	-----	68
16-Feb-16	29	42	25	-----	-----	96
17-Feb-16	34	39	35	-----	-----	108
18-Feb-16	29	25	47	-----	-----	101
19-Feb-16	9	19	22	-----	-----	49
20-Feb-16	5	23	11	-----	-----	39
21-Feb-16	2	21	8	-----	-----	30
22-Feb-16	1	20	13	-----	-----	34
23-Feb-16	1	24	15	-----	-----	39
24-Feb-16	1	21	14	-----	-----	35
25-Feb-16	3	16	10	-----	-----	29
26-Feb-16	10	21	19	-----	-----	50
27-Feb-16	8	31	19	-----	-----	59
28-Feb-16	4	28	23	-----	-----	55
29-Feb-16	4	25	19	-----	-----	48
कुल TOTAL	220	728	463	-----	-----	1411
उच्चतम MAXIMUM	34	42	47	-----	-----	108
निम्नतम MINIMUM	1	16	8	-----	-----	29
औसत AVERAGE	8	25	16	-----	-----	49
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 - Feb 2016

REGION	STATE	Requirement/Availability in MU/DAY			Requirement/Availability in MU				Peak Demand/Peak Met in MW			
		Requirement	Energy met	Surplus(+)/Deficit(-)	Requirement	Energy met	Surplus(+)/Deficit(-)	% Shortage	Requirement	Peak Demand Met	Surplus(+)/Deficit(-)	% Shortage
NR	Chandigarh	3.5	3.5	0.0	101.4	101.4	0.0	0.0	223	223	0	0.0
	Delhi	59.4	59.3	0.0	1721.6	1720.4	-1.2	-0.1	3849	3845	-4	-0.1
	Haryana	118.3	118.3	0.0	3429.7	3429.6	-0.1	0.0	6799	6799	0	0.0
	H.P.	25.4	25.3	-0.1	736.6	734.5	-2.2	-0.3	1457	1457	0	0.0
	J&K	49.4	42.0	-7.4	1432.3	1218.3	-214.0	-14.9	2397	2034	-363	-15.1
	Punjab	100.4	100.4	0.0	2912.8	2912.8	0.0	0.0	5974	5974	0	0.0
	Rajasthan	213.9	213.7	-0.2	6203.6	6197.6	-6.0	-0.1	10526	10526	0	0.0
	U.P.	269.7	236.6	-33.1	7820.9	6860.2	-960.7	14.0	13258	12558	-700	-5.3
	Uttarakhand	34.7	34.6	-0.2	1007.3	1002.8	-4.5	-0.4	1964	1964	0	0.0
NFF/Railway	2.2	2.2	0.0	62.4	62.4	0.0	0.0	98	98	0	0.0	
	TOTAL	876.8	835.9	-41.0	25428.5	24239.9	-1188.6	-4.7	42794	41195	-1599	-3.7
WR	Gujarat	280.4	280.6	0.1	8133.0	8136.0	3.0	0.0	13222	13213	-9	-0.1
	Madhya Pradesh	203.6	203.6	0.0	5904.6	5904.0	-0.6	0.0	10356	10350	-6	-0.1
	Chhattisgarh	80.9	80.2	-0.7	2346.3	2325.9	-20.4	-0.9	4092	3723	-369	-9.0
	Maharashtra	391.9	391.8	-0.1	11366.4	11362.4	-4.0	0.0	19471	19451	-20	-0.1
	Goa	8.5	8.5	0.0	246.2	246.2	0.0	0.0	428	428	0	0.0
	D&D	6.5	6.5	0.0	189.2	189.2	0.0	0.0	304	304	0	0.0
	DNH	16.3	16.3	0.0	472.9	472.5	-0.5	-0.1	719	719	0	0.0
	ESIL	7.6	7.6	0.0	219.5	219.3	-0.2	-0.1	655	655	0	0.0
	TOTAL	995.8	995.0	-0.8	28878.2	28855.5	-22.6	-0.1	46849	46809	-40	-0.1
SR	Andhra Pradesh	146.1	146.1	0.0	4237.4	4237.4	0.0	0.0	7116	7116	0	0.0
	Telangana	139.0	139.0	0.0	4030.3	4030.9	0.5	0.0	6412	6412	0	0.0
	KPTCL	205.0	197.7	-7.3	5944.1	5733.3	-210.9	-3.5	9974	9397	-577	-5.8
	KSEB	66.2	66.3	0.0	1921.2	1921.3	0.1	0.0	3709	3706	-3	-0.1
	TNEB	289.2	289.2	0.0	8385.7	8386.7	1.0	0.0	14537	14533	-4	0.0
	PONDICHERY	6.3	6.3	0.0	183.9	184.0	0.0	0.0	324	324	0	0.0
	TOTAL	851.8	844.6	-7.2	24702.7	24493.5	-209.2	-0.8	38931	38319	-612	-1.6
ER	Bihar	71.9	64.0	-7.9	2084.7	1855.9	-228.7	-11.0	3500	3335	-165	-4.7
	JSEB	24.7	23.0	-1.6	715.6	668.0	-47.6	-6.7	1166	1139	-27	-2.3
	DVC	58.9	58.5	-0.4	1709.0	1696.2	-12.7	-0.7	2768	2736	-32	-1.2
	Odisha	73.6	73.6	0.0	2133.0	2133.0	0.0	0.0	4112	4112	0	0.0
	West Bengal	129.5	129.1	-0.3	3754.7	3744.9	-9.8	-0.3	7111	7083	-29	-0.4
	Sikkim	1.2	1.2	0.0	33.7	33.7	0.0	0.0	96	96	0	0.0
	TOTAL	359.7	349.4	-10.3	10430.7	10131.8	-298.9	-2.9	17999	17868	-131	-0.7
NER	Arunachal Pradesh	2.1	2.1	0.0	62.0	61.3	-0.7	-1.1	139	135	-4	-2.9
	Assam	21.9	20.5	-1.4	636.1	595.5	-40.6	-6.4	1340	1327	-13	-1.0
	Manipur	2.5	2.5	0.0	71.4	71.1	-0.3	-0.5	159	158	-1	-0.4
	MeSEB	5.5	5.5	0.0	160.8	160.8	0.0	0.0	322	322	0	0.0
	Mizoram	1.6	1.5	0.0	45.0	44.3	-0.7	-1.5	101	99	-2	-2.4
	Nagaland	2.1	2.0	-0.1	60.7	58.8	-1.9	-3.1	119	118	-1	-0.8
	Tripura	3.0	2.9	-0.2	88.4	83.3	-5.0	-5.7	229	228	-1	-0.4
	TOTAL	38.8	37.1	-1.7	1124	1075	-49.1	-4.4	2408	2386	-22	-0.9
ALL INDIA		3122.9	3061.9	-61.0	90564.4	88795.9	-1768.5	-2.0	148982	146577	-2404	-1.6

9. ENERGY COMPARISON OF FEBRUARY 2016 vs FEBRUARY 2015

REGION	STATE	Energy Requirement (MU)					Energy Met (MU)				
		Feb-15	Feb-16	Difference	% Change	Average MU/day for Feb-16	Feb-15	Feb-16	Difference	% Change	Average for MU/day for Feb-16
NR	Chandigarh	97	101	4	4	3	103	101	-2	-2	3
	Delhi	1663	1722	59	4	59	1175	1720	545	46	59
	Haryana	3159	3430	271	9	118	1455	3430	1974	136	118
	H.P.	683	737	53	8	25	524	734	211	40	25
	J&K	1328	1432	104	8	49	961	1218	258	27	42
	Punjab	2470	2913	443	18	100	1266	2913	1646	130	100
	Rajasthan	5873	6204	330	6	214	1906	6198	4292	225	214
	U.P.	7274	7821	547	8	270	2418	6860	4442	184	237
	Uttarakhand	966	1007	41	4	35	680	1003	323	47	35
	NFF/Railway	62	62	1	1	2	62	62	1	1	2
	TOTAL	23576	25429	1853	8	877	10550	24240	13690	130	836
WR	Gujarat	7389	8133	744	10	280	7386	8136	750	10	281
	Madhya Pradesh	4917	5905	988	20	204	4928	5904	976	20	204
	Chhattisgarh	2132	2346	215	10	81	2114	2326	212	10	80
	Maharashtra	10846	11366	520	5	392	10676	11362	686	6	392
	Goa	229	246	17	8	8	229	246	17	8	8
	D&D	171	189	19	11	7	171	189	19	11	7
	DNH	430	473	43	10	16	430	472	43	10	16
	ESIL	193	220	27	14	8	192	219	27	14	8
TOTAL	26306	28878	2572	10	996	26126	28856	2730	10	995	
SR	Andhra Pradesh	3998	4237	240	6	146	3992	4237	245	6	146
	Telangana	3938	4030	92	2	139	3848	4031	183	5	139
	KPTCL	5504	5944	440	8	205	5376	5733	358	7	198
	KSEB	1758	1921	163	9	66	1743	1921	178	10	66
	TNEB	7669	8386	717	9	289	7444	8387	943	13	289
	PONDY	171	184	13	8	6	171	184	13	8	6
	TOTAL	23039	24703	1664	7	852	22574	24494	1920	9	845
ER	Bihar	1810	2085	274	15	72	1515	1856	341	22	64
	JSEB	636	716	80	13	25	635	668	33	5	23
	DVC	1565	1709	144	9	59	1565	1696	131	8	58
	Odisha	1854	2133	279	15	74	1854	2133	279	15	74
	West Bengal	3851	3755	-96	-2	129	3833	3745	-88	-2	129
	Sikkim	32	34	2	5	1	32	34	2	5	1
	TOTAL	9748	10431	683	7	360	9435	10132	696	7	349
NER	Arunachal Pradesh	53	62	9	17	2	53	61	8	16	2
	Assam	588	636	48	8	22	534	596	62	12	21
	Manipur	63	71	8	13	2	63	71	8	13	2
	MeSEB	170	161	-9	-5	6	166	161	-5	-3	6
	Mizoram	37	45	8	22	2	36	44	8	23	2
	Nagaland	60	61	1	1	2	51	59	8	15	2
	Tripura	80	88	8	10	3	80	83	3	4	3
TOTAL	1051	1124	73	7	39	983	1075	92	9	37	
ALL INDIA	83719	90564	6845	8	3123	69668	88796	19128	27	3062	

10. DEMAND COMPARISON OF FEBRUARY 2016 vs FEBRUARY 2015

REGION	STATE	Peak Requirement (MW)				Peak Met (MW)			
		Feb-15	Feb-16	Difference	% Change	Feb-15	Feb-16	Difference	% Change
NR	Chandigarh	225	223	-2	-0.9	225	223	-2	-0.9
	Delhi	3847	3849	2	0.1	3847	3845	-2	-0.1
	Haryana	6692	6799	107	1.6	6692	6799	107	1.6
	H.P.	1422	1457	35	2.5	1422	1457	35	2.5
	J&K	2377	2397	20	0.8	2021	2034	13	0.6
	Punjab	6053	5974	-79	-1.3	6053	5974	-79	-1.3
	Rajasthan	10095	10526	431	4.3	10095	10526	431	4.3
	U.P.	12362	13258	896	7.2	11387	12558	1171	10.3
	Uttarakhand	1910	1964	54	2.8	1910	1964	54	2.8
	NFF/Railway	100	98	-2	-2.0	100	98	-2	-2.0
WR	Gujarat	12939	13222	283	2	12934	13213	279	2.2
	Madhya Pradesh	9307	10356	1049	11	9345	10350	1005	10.8
	Chhattisgarh	3777	4092	315	8	3625	3723	98	2.7
	Maharashtra	19702	19471	-231	-1	19372	19451	79	0.4
	Goa	459	428	-31	-7	459	428	-31	-6.8
	D&D	289	304	15	5.2	289	304	15	5.2
	DNH	693	719	26	3.8	692	719	27	3.9
	ESIL	413	655	242	58.7	413	655	242	58.7
SR	Andhra Pradesh	6764	7116	352	5.2	6747	7116	369	5.5
	Telangana	6591	6412	-179	-2.7	6401	6412	11	0.2
	KPTCL	9672	9974	302	3.1	9349	9397	48	0.5
	KSEB	3555	3709	155	4.3	3433	3706	273	8.0
	TNEB	12813	14537	1723	13.4	12642	14533	1890	15.0
	PONDY	316	324	8	2.6	314	324	10	3.2
ER	Bihar	3066	3500	434	14.2	2701	3335	634	23.5
	JSEB	1081	1166	85	7.9	1081	1139	58	5.4
	DVC	2540	2768	228	9.0	2540	2736	196	7.7
	Odisha	3694	4112	418	11.3	3694	4112	418	11.3
	West Bengal	7090	7111	21	0.3	6990	7083	93	1.3
	Sikkim	93	96	3	3.2	93	96	3	3.2
NER	Arunachal Pradesh	130	139	9	6.9	115	135	20	17.4
	Assam	1380	1340	-40	-2.9	1215	1327	112	9.2
	Manipur	140	159	19	13.3	136	158	22	16.2
	MeSEB	321	322	1	0.3	316	322	6	1.9
	Mizoram	90	101	11	12.3	88	99	11	12.0
	Nagaland	120	119	-1	-0.8	120	118	-2	-1.7
	Tripura	235	229	-6	-2.7	212	228	16	7.4

11. SCHEDULE AND DRAWAL OF CONSTITUENTS - Feb 2016

REGION	STATE	SCHEDULE (MU)	ACTUAL DRAWAL (MU)	Over drawal(+)/ Under Drawal(-) (MU)	% OD/UD	SCHEDULE (MU/DAY)	ACTUAL DRAWAL (MU/DAY)	Over drawal(+)/ Under Drawal(-) (MU/DAY)
NR	Chandigarh	100.09	109.10	9.00	9.00	3.45	3.76	0.31
	Delhi	1313.38	1326.02	12.64	0.96	45.29	45.72	0.44
	Haryana	2134.73	2108.29	-26.44	-1.24	73.61	72.70	-0.91
	H.P.	623.96	626.19	2.23	0.36	21.52	21.59	0.08
	J&K	1074.40	1036.73	-37.67	-3.51	37.05	35.75	-1.30
	Punjab	1553.60	1587.93	34.32	2.21	53.57	54.76	1.18
	Rajasthan	2039.06	2092.42	53.36	2.62	70.31	72.15	1.84
	U.P.	2967.44	2917.63	-49.81	-1.68	102.33	100.61	-1.72
	Uttarakhand	673.30	730.85	57.56	8.55	23.22	25.20	1.98
	NFF/Railway	61.78	62.21	0.42	0.68	2.13	2.15	0.01
WR	Gujarat	1739.76	1813.58	73.83	4.24	59.99	62.54	2.55
	Madhya Pradesh	3319.33	3282.75	-36.59	-1.10	114.46	113.20	-1.26
	Maharashtra	2997.57	2962.77	-34.80	-1.16	103.36	102.16	-1.20
	Chhattisgarh	869.74	864.57	-5.17	-0.59	29.99	29.81	-0.18
	Goa	218.05	228.92	10.87	4.99	7.52	7.89	0.37
	D&D	183.11	189.23	6.12	3.34	6.31	6.53	0.21
	D&NH	474.47	472.46	-2.01	-0.42	16.36	16.29	-0.07
	ESIL	211.40	219.34	7.94	3.76	7.29	7.56	0.27
SR	Andhra Pradesh	473.21	471	-1.80	-0.38	16.32	16.26	-0.06
	Telangana	2541.87	2599.24	57.37	2.26	87.65	89.63	1.98
	KPTCL	1530.96	1586.98	56.02	3.66	52.79	54.72	1.93
	KSEB	1416.98	1456.57	39.59	2.79	48.86	50.23	1.37
	TNEB	4084.22	4157.23	73.01	1.79	140.84	143.35	2.52
	PONDICHERRY	186.08	183.95	-2.13	-1.14	6.42	6.34	-0.07
ER	Bihar	1730.73	1746	15.34	0.89	59.68	60.21	0.53
	JSEB	353.98	372	17.76	5.02	12.21	12.82	0.61
	DVC	-561.37	-573	-11.85	2.11	-19.36	-19.77	-0.41
	GRIDCO	630.75	688	57.33	9.09	21.75	23.73	1.98
	WBSEB	805.53	856	50.92	6.32	27.78	29.53	1.76
	Sikkim	40.15	34	-6.41	-15.97	1.38	1.16	-0.22
NER	Arunachal Pradesh	46.65	61.32	14.68	31.46	1.61	2.11	0.51
	Assam	440.98	460.25	19.27	4.37	15.21	15.87	0.66
	Manipur	68.92	71.06	2.15	3.11	2.38	2.45	0.07
	MeSEB	137.53	134.24	-3.29	-2.39	4.74	4.63	-0.11
	Mizoram	31.32	42.00	10.68	34.11	1.08	1.45	0.37
	Nagaland	46.50	55.89	9.39	20.19	1.60	1.93	0.32
	Tripura	5.14	25.85	20.71	403.26	0.18	0.89	0.71

12. INTER REGIONAL EXCHANGES 2015-16

	April'15	May'15	June'15	July'15	Aug'15	Sep'15	Oct'15	Nov'15	Dec'15	Jan'16	Feb'16	Fin. Year 2015-16 Till Feb 2016
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	2039.18	1834.99	1859.02	16977.30
WR-NR 765 kV Gwalior - Phagi D/C					406.85	663.65	613.54	664.81	786.65	679.81	674.12	4489.41
WR - NR HVDC Vindhyachal	67.20	32.23	130.54	111.79	96.42	46.36	75.48	29.58	73.02	74.56	47.82	784.99
WR - NR 400 kV Zerda Kankroli	0.00	0.00	0.00	82.40	0.00	5.09	7.04	0.00	0.00	1.20	0.00	95.74
WR - NR 400 kV Zerda Bhinmal	0.00	1.87	0.00	0.00	0.00	27.25	19.37	3.93	6.16	26.86	23.27	108.71
WR - NR 220 kV Badod - Kota/ Modak	1.05	3.06	2.34	9.69	7.22	7.64	6.16	0.24	1.50	9.75	12.29	60.92
WR - NR 220 kV Auraiya - Malanpur/Mehgaon	1.07	0.00	0.00	1.34	0.00	2.48	0.00	0.00	0.00	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	0.00	2.58	0.00	1836.65
WR - NR HVDC Mundra - Mohindergarh	1674.31	1705.73	1708.08	1470.90	1473.88	1668.84	1677.32	1440.79	1528.89	1735.83	1611.10	17695.68
Total WR - NR	3240.52	3246.55	3377.78	3105.80	3628.50	4412.93	4159.41	3854.20	4435.39	4365.57	4227.62	42054.28
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	13.80	0.00	2.47	354.46
ER - WR 765 kV Gaya - Fatehpur	57.99	62.01	73.50	136.28	134.94	127.24	68.27	114.68	133.63	100.55	105.43	1114.52
ER - WR 765 kV Gaya - Balia	16.86	61.19	42.42	44.25	60.92	99.34	69.45	106.27	146.64	118.73	113.97	880.03
ER-NR 400 kV Patna - Balia 2xD/C	156.63	294.16	192.61	191.35	183.30	241.87	209.48	260.48	353.01	319.84	390.81	2793.54
ER - NR 400 kV Muzaffarpur - Gorakhpur D/C	22.81	182.87	185.29	292.00	304.63	293.43	124.43	165.18	46.47	0.00	0.00	1617.10
ER - NR 400 kV Biharshariff - Balia D/C	5.85	75.34	68.43	97.42	101.63	135.15	35.42	78.19	31.17	0.00	0.18	628.76
ER - NR 400 kV Barh - G'pur D/C			157.93	156.20	151.31	158.29	183.25	238.28	296.67	309.39	325.77	1977.09
ER - NR HVDC Sasaram (Byepass)	162.04	77.34	220.42	223.96	260.28	272.08	261.28	115.16	183.06	244.04	190.05	2209.70
ER - NR 220 kV Pusauli - Sahupuri	102.74	123.30	98.01	100.55	100.71	87.52	104.74	87.57	89.25	80.52	79.73	1054.64
ER - NR 132 kV Sahupuri - Karamnasa	7.68	4.85	6.66	6.29	7.68	12.48	12.39	13.03	4.64	9.12	10.13	94.95
ER - NR 132 kV Rihand - Son Nagar	0.00	0.00	0.00	0.49	0.00	0.00	0.00	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	1298.33	1182.18	1218.54	12725.28
Import of NR from NER (NER-NR)												
NER-NR HVDC Biswanath Chariali - Agra						2.54	47.99	54.59	0.00	185.04	0.00	290.16
Total NER - NR	0.00	0.00	0.00	0.00	0.00	2.54	47.99	54.59	0.00	185.04	0.00	290.16
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	0.00	0.00	0.00	0.14
NR - WR 765 kV Gwalior - Phagi D/C					0.00	0.00	0.00	0.00	0.00	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	91.14	76.96	128.97	853.68
NR - WR 400 kV Zerda Kankroli	174.57	155.75	103.03	117.93	117.89	42.27	49.02	73.24	89.80	61.81	51.35	1036.66
NR - WR 400 kV Zerda Bhinmal	135.49	107.23	70.40	102.81	100.40	24.06	27.93	19.32	34.30	9.57	10.71	642.23
NR - WR 220 kV Badod - Kota/ Modak	36.54	20.87	14.34	10.96	8.15	16.77	37.97	53.15	30.02	17.72	1.96	248.44
NR - WR 220 kV Auraiya - Malanpur/Mehgaon	29.00	15.48	1.03	17.80	36.20	20.43	53.29	57.46	40.59	36.97	63.22	371.47
NR-WR 400 kV Rihand-Vindhyachal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.00	2.02
NR - WR HVDC Mundra - Mohindergarh	0.00	0.00	0.00	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	285.86	205.05	256.20	3154.64
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	18.70	99.69	51.01	338.21
NR - ER 765 kV Gaya - Fatehpur	0.62	0.00	0.37	0.00	0.00	0.00	1.23	0.00	0.00	0.78	0.00	3.01
NR - ER 765 kV Gaya - Balia	1.75	0.61	0.36	3.34	0.00	3.63	0.03	0.00	0.00	0.00	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	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	40.88	284.56	247.98	588.76
NR - ER 400 kV Biharshariff - Balia D/C	30.97	3.54	4.97	0.00	0.00	1.55	9.08	1.26	6.50	106.09	68.94	232.89
ER - NR 400 kV Barh - G'pur D/C			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NR - ER HVDC Sasaram (Byepass)	12.49	155.54	18.18	5.78	0.00	0.00	0.00	33.07	12.19	3.93	25.05	266.25
NR - ER 220 kV Pusauli - Sahupuri	7.79	0.00	2.95	4.61	4.00	5.39	0.00	0.00	2.88	3.32	0.00	30.93
NR - ER 132 kV Sahupuri - Karamnasa	2.40	0.50	0.96	0.48	0.48	1.44	0.48	0.96	4.92	0.96	0.91	14.48
NR - ER 132 kV Rihand - Son Nagar	22.33	23.85	23.95	16.23	25.28	19.42	18.03	17.86	16.06	16.86	17.45	217.33
Total NR - ER	140.82	186.63	72.23	37.88	43.62	40.95	86.15	63.62	102.14	516.19	411.33	1701.57
Export of NR to NER (NER-NR)												
NR-NR HVDC Biswanath Chariali - Agra						1.96	0.00	245.40	357.31	104.79	0.94	710.40
Total NR - NER	0.00	0.00	0.00	0.00	0.00	1.96	0.00	245.40	357.31	104.79	0.94	710.40

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	0.00	3.48	0.96	279.00
WR - ER 400 kV Sipat - Ranchi D/C	1.94	21.14	60.56	26.05	126.20	176.46	178.43	116.19	116.73	146.00	113.93	1083.63
WR - ER 400 kV Raigarh - Sterilite D/C	0.12	0.36	4.48	6.18	71.00	88.77	93.74	40.86	30.61	42.49	28.66	407.26
WR - ER 765 kV Dharamjaygarh - Jharsuguda D/C	7.73	25.18	31.06	32.79	37.11	18.00	0.47	0.00	0.00	0.00	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	134.43	145.43	96.92	1048.38
WR - ER 220 kV Korba - Budhipadar D/C	0.25	5.70	0.99	4.62	3.23	1.96	1.62	1.10	1.21	51.77	62.17	134.64
WR - ER 220 kV Raigarh - Budhipadar	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	3.04
Total WR - ER	12.80	70.17	110.84	88.34	400.57	561.94	572.67	313.94	282.97	389.17	304.87	3108.27
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	66.41	42.60	40.85	243.13
ER - WR 400 kV Sipat - Ranchi D/C	2.66	11.84	1.68	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.36
ER - WR 400 kV Raigarh - Sterilite D/C	232.49	308.83	244.90	150.11	57.24	131.52	96.60	105.40	63.82	95.21	127.35	1613.47
ER - WR 400 kV Dharamjaygarh - Jharsuguda D/C	63.81	97.48	79.08	41.61	37.07	94.38	255.57	285.74	342.24	382.87	372.52	2052.38
ER - WR 400 kV Raigarh - Jharsuguda D/C	28.29	43.07	19.12	56.28	0.26	1.40	0.00	0.00	0.00	0.00	4.03	152.46
ER - WR 220 kV Korba - Budhipadar D/C	24.54	20.37	61.78	43.52	40.39	20.63	13.77	14.91	16.47	2.29	0.00	258.67
ER - WR 220 kV Raigarh - Budhipadar	73.09	54.74	0.00	18.17	83.28	69.91	77.28	71.61	68.53	18.97	14.34	549.90
Total ER - WR	427.06	553.56	412.72	332.63	220.33	319.65	461.75	505.17	557.46	541.95	559.10	4891.36
Export of ER to NER (ER - 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	13.73	385.78	246.01	1279.38
ER - NER 220 kV Birpara - Salakati D/C	29.33	52.31	39.44	35.76	39.66	41.51	49.72	7.63	1.55	37.64	14.20	348.76
Total ER - NER	235.90	264.59	93.74	36.09	44.90	50.63	146.44	56.96	15.28	423.41	260.21	1628.14
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	67.57	7.17	0.00	763.26
NER - ER 220 kV Birpara - Salakati D/C	0.00	0.00	0.10	2.12	0.92	0.00	0.18	10.09	12.09	3.40	0.20	29.10
Total NER - ER	0.00	0.00	46.19	118.37	189.20	171.37	34.40	142.39	79.66	10.57	0.20	792.36
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	469.69	466.76	489.94	5265.72
ER - SR HVDC Talchar - Kolar	1360.36	1428.22	1193.46	1441.16	1443.65	1359.19	1482.82	1336.36	1344.02	1126.22	1349.76	14865.22
Total ER - SR	1803.87	1898.08	1634.95	1967.19	1943.69	1845.92	2002.19	1788.67	1813.71	1592.97	1839.71	20130.94
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	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	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	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	617.13	578.27	644.24	7446.63
WR - SR 765 kV Sholapur - Raichur	263.68	315.71	304.74	343.65	308.18	249.03	740.02	757.35	932.77	979.53	1059.90	6254.54
WR - SR 400KV Kolhapur-Kudgi D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.15	95.61	40.37	1.07	162.20
Total WR - SR	971.98	1025.03	1000.31	1059.27	1018.72	939.42	1467.49	1432.26	1645.52	1598.17	1705.21	13863.38
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	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	0.00	0.00	0.00	88.62
SR - WR 400KV Kolhapur-Kudgi D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09	7.12	27.11	37.33
Total SR - WR	17.71	10.54	11.13	7.96	11.62	19.97	6.01	3.68	3.09	7.12	27.11	125.95
TOTAL ALL INDIA	7857	8648	8065	8375	9167	9951	10346	9957	10877	11122	10811	94366

Date	12.1 Import of NR from WR, ER & NER during Feb 2016																							
	Import of NR from WR (WR-NR)										Import of NR from ER (ER-NR)												Import of NR from NER (NER-NR)	
	WR - NR 765 kV Gwalior - Agra D/C	WR-NR 765 kV Gwalior- Phagi D/C	WR - NR HVDC V'chal	WR - NR 400 kV Zerda- Kankroli	WR - NR 400 kV Zerda- Bhinmal	WR - NR 220 kV Badod - Kota / Modak	WR - NR 220 kV Auraiya - Malanpur / Mehgaon	WR-NR 400 KV Rihand Vindhyachal	WR - NR HVDC Mundra - Mgarh	Total WR - NR	ER - NR 765 kV Sasaram - Fatehpur	ER - WR 765 kV Gaya - Fatehpur	ER - WR 765 kV Gaya Ballia	ER-NR 400 kV Patna - Ballia 2x D/C	ER - NR 400 kV Muzaffarpur - G pur D/C	ER - NR 400 kV B' Shariff - Ballia D/C	ER - NR 400 kV Barh - G' pur D/C	ER - NR HVDC Sasaram (Byepass)	ER - NR 220 kV Pusaui - 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-Feb-16	62.17	24.41	7.14	0.00	1.46	0.75	0.00	0.00	57.08	153.01	0.00	3.34	3.01	15.20	0.00	0.00	13.48	8.90	2.97	0.00	0.00	46.90	0.00	0.00
2-Feb-16	64.96	21.81	5.13	0.00	1.63	0.75	0.00	0.00	58.64	152.91	0.00	3.32	3.49	13.23	0.00	0.00	11.68	9.05	3.02	0.00	0.00	43.80	0.00	0.00
3-Feb-16	62.73	22.35	8.81	0.00	2.00	0.78	0.00	0.00	60.44	157.11	0.00	2.86	3.01	12.16	0.00	0.00	11.45	8.95	3.08	0.00	0.00	41.50	0.00	0.00
4-Feb-16	59.65	18.67	2.09	0.00	0.03	0.00	0.00	0.00	60.17	140.62	0.00	1.84	2.59	11.56	0.00	0.00	10.97	8.97	3.03	0.48	0.00	39.44	0.00	0.00
5-Feb-16	59.65	25.14	4.98	0.00	2.31	0.79	0.00	0.00	55.60	148.47	0.00	3.79	2.75	11.56	0.00	0.00	10.97	8.97	3.28	0.00	0.00	41.32	0.00	0.00
6-Feb-16	63.15	23.05	4.04	0.00	1.64	0.58	0.00	0.00	58.69	151.15	0.00	4.07	2.76	15.52	0.00	0.00	12.46	8.91	2.93	0.00	0.00	46.65	0.00	0.00
7-Feb-16	58.98	18.87	0.46	0.00	2.36	0.85	0.00	0.00	57.05	138.57	0.00	3.46	2.50	15.22	0.00	0.00	11.97	9.00	3.61	0.00	0.00	45.74	0.00	0.00
8-Feb-16	63.15	24.01	0.86	0.00	1.29	0.42	0.00	0.00	58.70	148.43	0.00	3.67	3.45	11.81	0.00	0.00	10.85	8.97	3.07	0.00	0.00	41.81	0.00	0.00
9-Feb-16	67.13	23.69	5.38	0.00	1.52	0.82	0.00	0.00	60.45	159.00	0.00	4.23	4.51	11.63	0.00	0.00	10.74	7.19	3.28	0.00	0.00	41.58	0.00	0.00
10-Feb-16	68.69	25.96	2.79	0.00	0.65	0.11	0.00	0.00	59.22	157.43	2.45	4.74	5.63	15.82	0.00	0.00	11.68	1.03	3.29	0.05	0.00	44.67	0.00	0.00
11-Feb-16	61.61	24.40	1.66	0.00	0.28	0.83	0.00	0.00	60.89	149.67	0.00	3.59	4.24	13.45	0.00	0.00	10.57	7.17	3.32	0.96	0.00	43.30	0.00	0.00
12-Feb-16	62.99	22.26	0.71	0.00	0.41	0.86	0.00	0.00	60.45	147.67	0.00	3.71	3.57	13.59	0.00	0.00	11.31	4.51	3.27	0.48	0.00	40.45	0.00	0.00
13-Feb-16	67.09	23.25	0.00	0.00	1.12	1.46	0.00	0.00	58.17	151.09	0.02	4.03	4.32	14.68	0.00	0.00	11.35	2.51	3.22	0.96	0.00	41.10	0.00	0.00
14-Feb-16	67.23	22.19	0.00	0.00	1.49	0.13	0.00	0.00	55.66	146.70	0.00	3.76	4.65	15.26	0.00	0.00	11.13	3.25	3.08	0.00	0.00	41.13	0.00	0.00
15-Feb-16	68.97	24.85	0.00	0.00	0.03	1.00	0.00	0.00	57.41	152.26	0.00	4.08	5.04	14.13	0.00	0.00	11.02	2.87	2.99	0.00	0.00	40.12	0.00	0.00
16-Feb-16	69.87	24.25	1.20	0.00	0.00	0.00	0.00	0.00	59.43	154.75	0.00	1.63	6.22	14.71	0.00	0.00	11.47	4.92	3.00	0.96	0.00	42.90	0.00	0.00
17-Feb-16	66.13	23.97	0.65	0.00	0.00	0.00	0.00	0.00	58.88	149.63	0.00	1.03	6.41	10.69	0.00	0.00	10.08	2.92	3.16	0.48	0.00	34.77	0.00	0.00
18-Feb-16	66.12	24.55	0.14	0.00	0.00	0.00	0.00	0.00	54.17	144.98	0.00	3.96	4.39	14.00	0.00	0.00	11.32	4.06	3.20	0.00	0.00	40.93	0.00	0.00
19-Feb-16	69.42	23.64	1.29	0.00	0.15	0.87	0.00	0.00	51.06	146.43	0.00	3.65	4.89	14.69	0.00	0.00	11.84	6.23	3.31	0.96	0.00	45.56	0.00	0.00
20-Feb-16	62.06	22.48	0.20	0.00	0.00	0.00	0.00	0.00	47.73	132.47	0.00	3.74	3.00	12.87	0.00	0.00	10.85	8.42	3.60	0.96	0.00	43.43	0.00	0.00
21-Feb-16	60.64	22.33	0.00	0.00	1.04	0.17	0.00	0.00	45.57	129.75	0.00	4.66	3.61	10.38	0.00	0.18	8.94	2.49	3.51	0.96	0.00	34.72	0.00	0.00
22-Feb-16	59.08	20.29	0.00	0.00	0.37	0.04	0.00	0.00	45.96	125.74	0.00	3.21	3.39	9.79	0.00	0.00	8.58	4.88	3.19	0.96	0.00	34.00	0.00	0.00
23-Feb-16	66.46	20.67	0.00	0.00	0.94	0.47	0.00	0.00	50.54	139.07	0.00	3.60	4.59	11.01	0.00	0.00	9.60	4.49	3.35	0.96	0.00	37.59	0.00	0.00
24-Feb-16	65.23	22.67	0.00	0.00	1.69	0.51	0.00	0.00	51.98	142.07	0.00	3.93	3.91	11.94	0.00	0.00	10.41	6.83	3.69	0.96	0.00	41.67	0.00	0.00
25-Feb-16	67.45	26.89	0.20	0.00	0.85	0.11	0.00	0.00	50.92	146.42	0.00	4.48	4.14	14.78	0.00	0.00	12.05	8.63	2.32	0.00	0.00	46.39	0.00	0.00
26-Feb-16	66.21	25.57	0.00	0.00	0.00	0.00	0.00	0.00	53.97	145.75	0.00	4.45	3.39	15.39	0.00	0.00	12.38	8.96	0.00	0.00	0.00	44.56	0.00	0.00
27-Feb-16	67.68	22.96	0.00	0.00	0.00	0.00	0.00	0.00	52.94	143.58	0.00	4.04	3.93	15.65	0.00	0.00	12.34	8.90	0.00	0.00	0.00	44.85	0.00	0.00
28-Feb-16	59.47	20.74	0.00	0.00	0.00	0.00	0.00	0.00	53.20	133.41	0.00	3.87	2.84	14.85	0.00	0.00	11.84	9.10	0.00	0.00	0.00	42.51	0.00	0.00
29-Feb-16	55.08	28.21	0.10	0.00	0.00	0.00	0.00	0.00	56.14	139.53	0.00	4.69	3.74	15.26	0.00	0.00	12.44	9.00	0.00	0.00	0.00	45.13	0.00	0.00
Total	1859.02	674.12	47.82	0.00	23.27	12.29	0.00	0.00	1611.10	4227.62	2.47	105.43	113.97	390.81	0.00	0.18	325.77	190.05	79.73	10.13	0.00	1218.54	0.00	0.00

12.2 Export of NR to WR, ER & NER during Feb 2016																								
Date	Export of NR to WR (NR- WR)										Export of NR to ER (NR- ER)										Export of NR to NER (NR-NER)			
	WR - NR 765 kV Gwalior - Agra D/C	WR-NR 765 kV Gwalior-Phagi D/C	WR - NR HVDC V chal	WR - NR 400 kV Zerdakankrotli	WR - NR 400 kV Zerdakankrotli	WR - NR 220 kV Badod - Kota / Modak	WR - NR 220 kV Auraiya - Malanpur / Mehgaon	WR-NR 400 kV Rihand-Vindhyachal	WR - NR HVDC Mundra - M'garh	Total 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-Feb-16	0.00	0.00	2.86	0.87	0.00	0.00	2.02	0.00	0.00	5.74	3.19	0.00	0.00	0.00	10.83	3.77	0.00	0.00	0.00	0.61	18.39	0.94	0.94	
2-Feb-16	0.00	0.00	1.26	0.95	0.00	0.00	2.04	0.00	0.00	4.26	3.19	0.00	0.00	0.00	10.40	3.57	0.00	0.00	0.00	0.60	17.77	0.00	0.00	
3-Feb-16	0.00	0.00	0.00	0.45	0.00	0.00	1.98	0.00	0.00	2.43	3.11	0.00	0.00	0.00	9.90	4.55	0.00	0.00	0.00	0.56	18.12	0.00	0.00	
4-Feb-16	0.00	0.00	0.53	2.79	0.00	0.70	2.37	0.00	0.00	6.39	4.25	0.00	0.00	0.00	11.37	4.17	0.00	0.00	0.00	0.57	20.35	0.00	0.00	
5-Feb-16	0.00	0.00	0.42	0.24	0.00	0.00	2.01	0.00	0.00	2.66	2.88	0.00	0.00	0.00	11.37	4.17	0.00	0.00	0.00	0.52	18.93	0.00	0.00	
6-Feb-16	0.00	0.00	0.00	1.06	0.00	0.00	2.22	0.00	0.00	3.27	2.41	0.00	0.00	0.00	8.99	3.79	0.00	0.00	0.00	0.56	15.75	0.00	0.00	
7-Feb-16	0.00	0.00	2.68	0.49	0.00	0.00	2.50	0.00	0.00	5.67	2.84	0.00	0.00	0.00	8.13	3.56	0.00	0.00	0.00	0.62	15.15	0.00	0.00	
8-Feb-16	0.00	0.00	0.95	1.11	0.00	0.00	2.01	0.00	0.00	4.08	2.72	0.00	0.00	0.00	8.04	3.12	0.00	0.00	0.00	0.56	14.44	0.00	0.00	
9-Feb-16	0.00	0.00	1.42	1.17	0.00	0.00	1.85	0.00	0.00	4.45	1.29	0.00	0.00	0.00	6.80	1.70	0.00	1.26	0.00	0.58	11.63	0.00	0.00	
10-Feb-16	0.00	0.00	2.09	0.58	0.00	0.00	1.75	0.00	0.00	4.42	0.00	0.00	0.00	0.00	5.45	0.83	0.00	7.72	0.00	0.58	14.57	0.00	0.00	
11-Feb-16	0.00	0.00	0.50	1.66	0.00	0.00	2.28	0.00	0.00	4.44	2.38	0.00	0.00	0.00	8.21	1.86	0.00	0.00	0.00	0.58	13.03	0.00	0.00	
12-Feb-16	0.00	0.00	1.30	1.64	0.00	0.00	2.24	0.00	0.00	5.18	0.88	0.00	0.00	0.00	9.00	2.22	0.00	3.21	0.00	0.61	15.92	0.00	0.00	
13-Feb-16	0.00	0.00	6.63	1.03	0.00	0.00	2.11	0.00	0.00	9.77	0.00	0.00	0.00	0.00	8.31	1.19	0.00	3.66	0.00	0.00	13.15	0.00	0.00	
14-Feb-16	0.00	0.00	8.99	0.72	0.00	0.00	2.23	0.00	0.00	11.93	1.36	0.00	0.00	0.00	8.14	1.20	0.00	1.39	0.00	0.59	12.68	0.00	0.00	
15-Feb-16	0.00	0.00	7.58	1.82	0.00	0.00	1.91	0.00	0.00	11.31	0.19	0.00	0.00	0.00	8.23	1.39	0.00	3.35	0.00	0.59	13.74	0.00	0.00	
16-Feb-16	0.00	0.00	4.98	3.85	2.33	0.00	1.86	0.00	0.00	13.02	0.50	0.00	0.00	0.00	7.61	0.98	0.00	0.00	0.00	0.59	9.68	0.00	0.00	
17-Feb-16	0.00	0.00	2.28	4.30	2.96	0.53	2.12	0.00	0.00	12.20	0.05	0.00	0.00	0.00	7.08	1.00	0.00	3.00	0.00	0.54	11.66	0.00	0.00	
18-Feb-16	0.00	0.00	7.37	4.47	2.82	0.48	1.86	0.00	0.00	17.00	1.59	0.00	0.00	0.00	8.68	2.10	0.00	0.00	0.00	0.91	0.81	14.08	0.00	0.00
19-Feb-16	0.00	0.00	1.43	1.90	0.00	0.00	2.05	0.00	0.00	5.37	0.99	0.00	0.00	0.00	8.71	2.14	0.00	0.00	0.00	0.78	12.61	0.00	0.00	
20-Feb-16	0.00	0.00	2.90	2.57	0.76	0.27	2.12	0.00	0.00	8.63	2.81	0.00	0.00	0.00	9.83	3.47	0.00	0.00	0.00	0.86	16.97	0.00	0.00	
21-Feb-16	0.00	0.00	9.45	1.10	0.00	0.00	2.14	0.00	0.00	12.69	0.46	0.00	0.00	0.00	3.67	0.00	0.00	1.48	0.00	0.88	6.48	0.00	0.00	
22-Feb-16	0.00	0.00	10.41	1.93	0.00	0.00	2.33	0.00	0.00	14.67	1.65	0.00	0.00	0.00	6.52	1.33	0.00	0.00	0.00	0.72	10.21	0.00	0.00	
23-Feb-16	0.00	0.00	10.71	1.33	0.00	0.00	2.57	0.00	0.00	14.60	1.67	0.00	0.00	0.00	7.17	1.32	0.00	0.00	0.00	0.51	10.66	0.00	0.00	
24-Feb-16	0.00	0.00	7.22	0.62	0.00	0.00	2.01	0.00	0.00	9.85	2.30	0.00	0.00	0.00	8.56	2.59	0.00	0.00	0.00	0.53	13.99	0.00	0.00	
25-Feb-16	0.00	0.00	3.50	1.49	0.00	0.00	3.09	0.00	0.00	8.08	2.19	0.00	0.00	0.00	9.14	2.57	0.00	0.00	0.00	0.60	14.51	0.00	0.00	
26-Feb-16	0.00	0.00	10.62	3.33	1.14	0.09	2.34	0.00	0.00	17.52	1.80	0.00	0.00	0.00	10.79	3.29	0.00	0.00	0.00	0.64	16.52	0.00	0.00	
27-Feb-16	0.00	0.00	9.07	2.52	0.41	0.04	2.52	0.00	0.00	14.56	1.63	0.00	0.00	0.00	9.41	2.40	0.00	0.00	0.00	0.61	14.04	0.00	0.00	
28-Feb-16	0.00	0.00	6.08	2.75	0.14	-0.42	2.52	0.00	0.00	11.07	1.70	0.00	0.00	0.00	9.87	2.80	0.00	0.00	0.00	0.68	15.05	0.00	0.00	
29-Feb-16	0.00	0.00	5.76	2.58	0.15	0.26	2.17	0.00	0.00	10.91	0.97	0.00	0.00	0.00	7.79	1.85	0.00	0.00	0.00	0.60	11.21	0.00	0.00	
Total	0.00	0.00	128.97	51.35	10.71	1.96	63.22	0.00	0.00	256.20	51.01	0.00	0.00	0.00	247.98	68.94	0.00	25.05	0.00	0.91	17.45	411.33	0.94	0.94

Date	12.3 Import - Export of ER with WR & NER during Feb 2016																													
	Export of WR to ER (WR-ER)										Import of WR from ER (ER - WR)										Export of ER to NER (ER-NER)					Import of ER from NER (NER-ER)				
	WR - ER 765 kV Dharamjaygarh - Ranchi D/C	WR - ER 400 kV Sipat - Ranchi D/C	WR - ER 400 kV Raigarh - Sterilite	WR - ER 765 kV Dharamjaygarh - 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 Dharamjaygarh - Ranchi D/C	ER - WR 400 kV Sipat - Ranchi D/C	ER - WR 400 kV Raigarh - Sterilite	ER - WR 765 kV Dharamjaygarh - Jharsuguda	ER - WR 400 kV Raigarh - IND Bharat	ER - WR 400 kV Raigarh - Rourkela	ER - WR 400 kV Raigarh - Jharsuguda	ER - WR 220 kV Korba - Budhipadar D/C	ER - WR 220 kV Raigarh - Budhipadar	Total ER - WR	ER - NER 132 kV Geylegphus - Salakati	ER - NER 132 kV Deothan - Rangia	ER - NER 400 kV Binaguri - Bongaigaon 2x2D/C	ER - NER 220 kV Birpara - Salakati D/C	Total ER - NER	ER - NER 132 kV Geylegphus - Salakati	ER - NER 132 kV Deothan - Rangia	NER - ER 400 kV Binaguri - Bongaigaon 2x2D/C	NER - ER 220 kV Birpara - Salakati D/C	Total NER - ER
1-Feb-16	0.2	5.0	0.0	0.0	1.7	2.1	4.2	2.2	0.29	15.69	0.0	0.0	4.9	9.6	0.0	0.0	0.0	0.0	0.0	14.50	0.00	0.00	10.81	1.20	12.01	0.41	0.04	0.00	0.00	0.45
2-Feb-16	0.7	5.9	0.0	0.0	1.6	1.9	3.6	1.9	0.22	15.87	0.0	0.0	5.1	8.3	0.0	0.0	0.0	0.0	0.0	13.44	0.00	0.00	10.11	0.93	11.04	0.48	0.06	0.00	0.00	0.53
3-Feb-16	0.0	5.7	0.0	0.0	1.7	2.1	4.2	2.5	0.11	16.37	0.5	0.0	4.7	8.0	0.0	0.0	0.0	0.0	0.0	13.12	0.00	0.00	10.44	0.79	11.23	0.42	0.00	0.00	0.00	0.42
4-Feb-16	0.0	4.6	0.0	0.0	0.9	1.0	2.0	2.6	0.00	11.15	1.3	0.0	2.0	7.7	0.0	0.0	0.0	0.0	0.1	11.17	0.00	0.15	11.30	0.75	12.21	0.31	0.00	0.00	0.00	0.31
5-Feb-16	0.0	3.7	0.0	0.0	0.6	0.8	1.9	3.1	0.32	10.52	1.5	0.0	2.8	14.5	0.0	0.0	0.0	0.0	0.0	18.79	0.00	0.00	11.49	0.88	12.37	0.41	0.03	0.00	0.00	0.44
6-Feb-16	0.0	3.3	0.0	0.0	0.0	0.0	1.1	2.4	0.00	6.78	1.6	0.0	2.2	15.4	0.8	0.1	0.0	0.0	0.4	20.47	0.00	0.03	9.91	0.62	10.57	0.46	0.00	0.00	0.00	0.46
7-Feb-16	0.0	3.0	0.0	0.0	0.3	0.3	1.3	2.2	0.01	7.12	2.2	0.0	3.3	14.1	0.0	0.0	0.0	0.0	0.0	19.56	0.00	0.08	8.51	0.47	9.07	0.38	0.00	0.00	0.00	0.38
8-Feb-16	0.0	2.1	0.0	0.0	0.2	0.2	1.0	2.1	0.00	5.57	2.0	0.0	3.6	15.9	0.0	0.0	0.0	0.0	0.1	21.65	0.00	0.00	8.23	0.56	8.79	0.43	0.01	0.00	0.00	0.44
9-Feb-16	0.0	2.9	0.0	0.0	1.0	1.2	2.8	2.4	0.18	10.43	2.1	0.0	2.7	14.6	0.0	0.0	0.0	0.0	0.0	19.42	0.00	0.04	7.22	0.38	7.63	0.46	0.00	0.00	0.00	0.46
10-Feb-16	0.0	3.5	0.0	0.0	1.3	1.5	3.3	2.7	0.20	12.42	1.8	0.0	2.2	15.4	0.0	0.0	0.0	0.0	0.0	19.47	0.00	0.04	6.93	0.35	7.33	0.44	0.00	0.00	0.00	0.44
11-Feb-16	0.0	3.3	0.0	0.0	1.3	1.6	3.6	2.5	0.00	12.47	1.9	0.0	2.3	15.6	0.0	0.0	0.0	0.0	0.1	19.87	0.00	0.01	8.09	0.29	8.40	0.43	0.00	0.00	0.00	0.43
12-Feb-16	0.0	3.8	0.0	0.0	1.1	1.3	3.0	2.7	0.00	11.94	1.7	0.0	3.6	12.6	0.0	0.0	0.0	0.0	0.0	17.99	0.00	0.12	9.00	0.40	9.52	0.45	0.00	0.00	0.00	0.45
13-Feb-16	0.0	4.0	0.0	0.0	1.0	1.2	3.0	2.8	0.25	12.36	1.0	0.0	3.8	13.8	0.0	0.0	0.0	0.0	0.0	18.55	0.00	0.00	9.09	0.38	9.47	0.48	0.01	0.00	0.00	0.48
14-Feb-16	0.0	3.7	0.0	0.0	0.6	0.8	2.4	2.5	0.00	10.00	1.3	0.0	4.0	15.4	0.0	0.0	0.0	0.0	0.0	20.77	0.00	0.00	8.78	0.39	9.17	0.45	0.05	0.00	0.00	0.50
15-Feb-16	0.0	3.9	0.0	0.0	0.6	0.8	2.5	2.5	0.00	10.42	0.9	0.0	4.4	14.9	0.0	0.0	0.0	0.0	0.0	20.25	0.00	0.02	9.51	0.41	9.94	0.46	0.00	0.00	0.00	0.46
16-Feb-16	0.0	3.7	0.0	0.0	0.6	0.7	2.7	2.6	0.10	10.39	1.6	0.0	4.4	15.2	0.0	0.0	0.0	0.0	0.0	21.15	0.00	0.02	9.00	0.38	9.39	0.45	0.00	0.00	0.00	0.45
17-Feb-16	0.0	3.9	0.0	0.0	0.8	0.9	2.6	2.8	0.55	11.57	1.0	0.0	4.5	13.6	0.0	0.0	0.0	0.0	0.0	19.14	0.00	0.01	8.13	0.50	8.64	0.43	0.00	0.00	0.00	0.43
18-Feb-16	0.0	4.3	0.0	0.0	0.9	1.0	3.0	2.2	0.00	11.34	1.2	0.0	6.3	14.0	0.0	0.0	0.0	0.0	0.3	21.82	0.00	0.11	8.43	0.31	8.86	0.43	0.00	0.00	0.00	0.43
19-Feb-16	0.0	3.9	0.0	0.0	0.9	1.1	3.6	1.7	0.00	11.23	2.8	0.0	6.9	12.5	0.0	0.0	0.0	0.0	1.2	23.30	0.00	0.07	8.60	0.57	9.24	0.48	0.00	0.00	0.00	0.48
20-Feb-16	0.0	4.4	0.0	0.0	0.7	0.9	2.3	1.9	0.00	10.23	1.9	0.0	5.5	8.8	0.0	0.0	0.0	0.0	1.1	17.35	0.00	0.04	8.85	0.61	9.51	0.48	0.00	0.00	0.00	0.48
21-Feb-16	0.0	3.2	0.0	0.0	0.7	0.5	2.3	1.8	0.00	8.40	2.7	0.0	6.1	11.5	0.0	0.0	0.0	0.0	1.2	21.55	0.00	0.00	3.40	0.24	3.65	0.41	0.00	0.00	0.00	0.41
22-Feb-16	0.0	3.1	0.0	0.0	0.9	0.4	1.2	1.6	0.00	7.21	1.4	0.0	6.6	9.6	0.0	0.0	0.0	0.0	1.2	18.72	0.00	0.00	1.85	0.00	1.85	0.39	0.00	0.00	0.20	0.59
23-Feb-16	0.0	2.6	0.0	0.0	0.9	0.7	1.8	1.4	0.00	7.49	0.7	0.0	7.1	12.5	0.0	0.0	0.0	0.0	1.1	21.49	0.00	0.00	6.54	0.38	6.93	0.48	0.00	0.00	0.00	0.48
24-Feb-16	0.0	3.2	0.0	0.0	1.4	0.5	1.8	1.7	0.00	8.55	1.4	0.0	7.6	15.2	0.0	0.0	0.0	0.0	1.1	25.28	0.00	0.00	6.87	0.23	7.09	0.50	0.04	0.00	0.00	0.54
25-Feb-16	0.0	3.0	0.0	0.0	0.6	0.6	1.9	1.5	0.00	7.63	1.8	0.0	5.4	15.6	0.0	0.0	0.0	0.0	1.2	23.91	0.00	0.00	9.37	0.70	10.07	0.57	0.10	0.00	0.00	0.67
26-Feb-16	0.0	4.5	0.0	0.0	0.0	0.0	0.2	1.3	0.00	5.95	1.7	0.0	0.3	14.7	2.3	0.4	0.0	0.0	1.6	21.02	0.00	0.00	11.76	0.80	12.57	0.60	0.08	0.00	0.00	0.68
27-Feb-16	0.0	5.1	0.0	0.0	0.0	1.5	1.8	1.4	0.00	9.86	0.9	0.0	2.7	12.3	0.1	0.0	0.0	0.0	1.3	17.25	0.00	0.00	9.59	0.40	9.98	0.54	0.06	0.00	0.00	0.60
28-Feb-16	0.0	4.8	0.0	0.0	0.0	1.0	1.9	1.4	0.00	9.07	1.4	0.0	6.5	10.5	0.8	0.0	0.0	0.0	1.1	20.31	0.00	0.00	7.97	0.10	8.07	0.57	0.07	0.00	0.00	0.64
29-Feb-16	0.0	5.8	0.0	0.0	3.0	2.1	4.1	1.8	0.00	16.84	0.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	1.1	17.79	0.00	0.00	6.23	0.15	6.38	0.56	0.10	0.00	0.00	0.66
Total	0.96	113.93	0.00	0.00	25.59	28.66	71.33	62.17	2.22	304.87	40.85	0.00	126.90	372.52	4.03	0.44	0.00	0.00	14.34	559.10	0.00	0.76	246.01	14.20	260.97	13.34	0.65	0.00	0.20	14.18

Date	12.4 Import and Export of SR with ER & WR during Feb 2016													
	Export of ER to SR (ER - SR)			Import of ER from SR (SR - ER)			Export of WR to SR (WR-SR)				Import of WR from SR (SR - WR)			
	ER - SR HVDC Gazuwaka	ER - SR HVDC Talchar -Kolar	Total ER - SR	SR - ER HVDC Gazuwaka	SR - ER HVDC Talchar -	Total SR - ER	WR - SR HVDC Bhadrawati	WR - SR 765 kV Sholapur - Raichur	WR-SR 400KV Kolhapur-Kudgi D/C	Total WR - SR	SR - WR HVDC Bhadrawati	SR - WR 765 kV Raichur - Sholapur	SR-WR 400KV Kolhapur-Kudgi D/C	Total SR - WR
1-Feb-16	17.3	41.7	59.02	0.00	0.00	0.00	23.60	30.39	0.00	53.99	0.00	0.00	1.32	1.32
2-Feb-16	15.7	44.1	59.81	0.00	0.00	0.00	19.62	37.27	0.00	56.88	0.00	0.00	0.13	0.13
3-Feb-16	16.9	48.2	65.12	0.00	0.00	0.00	17.52	36.26	0.00	53.77	0.00	0.00	0.74	0.74
4-Feb-16	18.1	47.5	65.58	0.00	0.00	0.00	16.61	40.12	0.00	56.74	0.00	0.00	0.17	0.17
5-Feb-16	16.7	44.1	60.73	0.00	0.00	0.00	17.27	39.98	0.00	57.25	0.00	0.00	0.61	0.61
6-Feb-16	17.3	46.5	63.77	0.00	0.00	0.00	18.25	37.45	0.00	55.70	0.00	0.00	0.36	0.36
7-Feb-16	18.5	42.4	60.93	0.00	0.00	0.00	18.87	34.17	0.53	53.56	0.00	0.00	0.00	0.00
8-Feb-16	18.6	44.8	63.39	0.00	0.00	0.00	18.61	33.63	0.00	52.24	0.00	0.00	0.23	0.23
9-Feb-16	18.6	50.6	69.27	0.00	0.00	0.00	23.12	24.95	0.00	48.07	0.00	0.00	0.76	0.76
10-Feb-16	18.6	49.1	67.74	0.00	0.00	0.00	23.68	31.98	0.00	55.66	0.00	0.00	0.59	0.59
11-Feb-16	18.6	48.8	67.43	0.00	0.00	0.00	22.98	40.32	0.54	63.85	0.00	0.00	0.00	0.00
12-Feb-16	16.3	46.2	62.54	0.00	0.00	0.00	23.90	34.01	0.00	57.91	0.00	0.00	1.63	1.63
13-Feb-16	16.4	45.2	61.60	0.00	0.00	0.00	22.89	36.32	0.00	59.21	0.00	0.00	0.84	0.84
14-Feb-16	15.2	44.2	59.41	0.00	0.00	0.00	22.75	37.33	0.00	60.08	0.00	0.00	0.16	0.16
15-Feb-16	16.1	42.2	58.28	0.00	0.00	0.00	23.55	33.65	0.00	57.20	0.00	0.00	0.82	0.82
16-Feb-16	16.1	45.5	61.58	0.00	0.00	0.00	22.85	35.37	0.00	58.22	0.00	0.00	1.31	1.31
17-Feb-16	16.1	49.6	65.67	0.00	0.00	0.00	23.91	36.27	0.00	60.17	0.00	0.00	2.04	2.04
18-Feb-16	16.0	48.1	64.15	0.00	0.00	0.00	23.58	36.99	0.00	60.57	0.00	0.00	2.04	2.04
19-Feb-16	16.7	51.5	68.19	0.00	0.00	0.00	23.60	43.58	0.00	67.18	0.00	0.00	1.23	1.23
20-Feb-16	17.6	47.6	65.25	0.00	0.00	0.00	23.90	41.00	0.00	64.90	0.00	0.00	1.85	1.85
21-Feb-16	18.7	44.4	63.11	0.00	0.00	0.00	22.94	39.95	0.00	62.89	0.00	0.00	1.12	1.12
22-Feb-16	18.1	46.6	64.68	0.00	0.00	0.00	23.87	41.27	0.00	65.14	0.00	0.00	0.91	0.91
23-Feb-16	14.4	48.8	63.16	0.00	0.00	0.00	23.87	38.69	0.00	62.56	0.00	0.00	1.09	1.09
24-Feb-16	16.1	47.0	63.08	0.00	0.00	0.00	23.89	39.04	0.00	62.93	0.00	0.00	1.56	1.56
25-Feb-16	16.0	46.0	62.01	0.00	0.00	0.00	23.68	36.43	0.00	60.11	0.00	0.00	1.73	1.73
26-Feb-16	16.1	45.1	61.16	0.00	0.00	0.00	23.81	38.12	0.00	61.93	0.00	0.00	1.52	1.52
27-Feb-16	16.1	46.0	62.03	0.00	0.00	0.00	23.90	31.79	0.00	55.69	0.00	0.00	1.44	1.44
28-Feb-16	16.1	47.6	63.62	0.00	0.00	0.00	23.82	36.31	0.00	60.13	0.00	0.00	0.76	0.76
29-Feb-16	17.2	50.2	67.40	0.00	0.00	0.00	23.43	37.28	0.00	60.70	0.00	0.00	0.15	0.15
Total	489.94	1349.76	1839.71	0.00	0.00	0.00	644.24	1059.90	1.07	1704.14	0.00	0.00	27.11	27.11

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

अप्रैल 2015 से फरवरी 2016 April 2015 to February 2016

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

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
दिसम्बर 2015 DEC'15	140.20	-148.70	-240.90
जनवरी 2016 JAN'16	72.13	-147.32	-275.90
फरवरी 2016 FEB'16	27.21	-155.43	-277.16
कुल Total	5510.51	-1273.08	-3312.02

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

द्विपक्षीय एसटीओए BILATERAL SHORT TERM OPEN ACCESS

फरवरी 2016 Feb 2016			April'15 - Feb'16	
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	277	1692	4068	20593
प.क्षे. WR	250	858	2977	10597
द.क्षे. SR	151	781	3295	17081
पूर्.क्षे. ER	166	785	1880	9451
पूर्वोत्तर क्षे. NER	38	199	317	1418
कुल TOTAL	882	4315	12537	59141

एसटीओए SHORT TERM OPEN ACCESS

माह MONTH	सामूहिक एसटीओए STOA		द्विपक्षीय एसटीओए Bilateral	
	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
दिसम्बर 2015 Dec'15	2662	2991	922	5492
जनवरी 2016 Jan 2016	2716	2864	820	5087
फरवरी 2016 Feb 2016	2530	2814	882	4315
कुल TOTAL	28263	31030	12537	59141

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
01.02.16-07.02.16	21.26	14.67	4.28	18.28	*
07.02.16-14.02.16	19.16	17.24	9.23	21.32	*
15.02.16-21.02.16	22.59	19.13	5.09	21.41	*
22.02.16-28.02.16	73.95	23.18	6.10	18.67	*

*Deviation statements for Feb not available on NERPC website

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 फरवरी २०१६
EXCHANGES THROUGH POWER EXCHANGES - February 2016

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	27.22	162.98
2	हरियाणा Haryana		29.62	189.43
3	राजस्थान Rajasthan		44.31	442.04
4	दिल्ली Delhi		112.72	48.33
5	उत्तर प्रदेश Uttar Pradesh		0.00	9.08
6	उत्तराखंड Uttarakhand		0.00	156.53
7	हिमाचल प्रदेश Himachal Pradesh		74.32	50.08
8	जम्मू और कश्मीर J & K		18.49	8.81
9	केंद्र शासित चंडीगढ़ UT Chandigarh		2.44	0.55
10	ए डी हाइड्रो AD Hydro		10.62	0.00
11	करचम वांगतू KW		54.71	0.00
12	श्री सीमेंट Shree Cement		47.67	0.00
13	नाथपा झाकरी Nathpa Jhakri		20.34	0.00
14	बैरासूल Baira Siul HEP(BS0)		0.39	0.00
15	चमेरा -1 Chamera-I HEP(CM1)		1.18	0.00
16	चमेरा -2 Chamera-II HEP(CM2)		0.91	0.00
17	धौलीगंगा Dhauliganga HEP(DG0)		0.63	0.00
18	दुलहस्ती Dulahasti HEP(DU0)		2.19	0.00
19	सलाल Salal HEP(SL0)		2.22	0.00
20	सेवा -2 Sewa-II NHP(SW2)		0.37	0.00
21	टनकपुर Tanakpur HEP(TP0)		0.19	0.00
22	उरी Uri HEP(UR0)		4.10	0.00
23	लांको बुधिल LANCO Budhil		0.47	0.00
24	चमेरा-3 chamera 3		0.46	0.00
25	अदानी एचवीडीसी ADANI HVDC(NORGUO)		0.00	0.00
26	मलाना MALANA		0.54	0.00
27	उरी-II Uri-II HEP(UR2)		3.06	0.00
28	पार्वती-III Parbati-II		0.10	0.00
29	मध्य प्रदेश MP	पश्चिमी क्षेत्र WR	77.32	43.15
30	महाराष्ट्र Maharashtra		75.05	41.71
31	गुजरात Gujarat		50.90	304.99
32	छत्तीसगढ़ Chattisgarh		67.16	5.48
33	गोवा Goa		5.07	10.88
34	दमन और दीव Daman and Diu		0.00	35.38
35	दादरा और नगर हवेली Dadra & Nagar Haveli		0.00	123.03
36	जिंदल JD		172.61	0.00
37	लांको अमरकंटक LANCO AMK		0.00	0.00
38	आर्यन कोल ACB India Limited		39.18	0.00
39	जिंदल स्टील एंड पावर Jindal Steel and Power Ltd		57.66	0.00
40	बालको -2 Balco-II		19.83	0.00
41	स्टरलाइट Sterlite(w3rse0)		205.38	0.00
42	एमको EMCO		0.00	0.00
43	वन्दना विद्युत VANDANA VIDYUT		0.00	0.00
44	एस्सार पावर ESSAR POWER		0.00	0.00
45	एस्सार स्टील ESSAR STEEL		0.00	215.76
46	के एस के महानदी KSK Mahanadi		0.00	0.00
47	जिंदल स्टेज -II Jindal Stg-II		26.72	0.00
48	कोरबा (प.) Korba(W) Comp. Ltd.		130.64	0.00
49	डी बी पावर D B Power		86.76	0.00
50	धारीवाल Dhariwal		21.34	0.00
51	जे पी निगी Jaypee Nigire		36.47	0.00
52	जी एम आर छत्तीसगढ़ GMR Chhattisgarh		36.01	0.00
53	डी जीईएन मेगा पावर DGEN Mega Power		0.00	0.00
54	एम बी मेगा पावर MB Power		0.00	0.00
55	एपीएल मुंद्रा स्टेज-I APL Mundra Stg-I		101.17	0.00
56	एपीएल मुंद्रा स्टेज-II APL Mundra Stg-II		72.30	0.00
57	एपीएल मुंद्रा स्टेज-III APL Mundra Stg-III		146.97	0.00
58	टोरेंट सुगेन Torrent Sugem		0.00	0.00
59	मारुति कोल Maruti Coal		0.00	0.00
60	स्पेक्ट्रम Spectrum		26.51	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 फरवरी २०१६
EXCHANGES THROUGH POWER EXCHANGES - February 2016

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेंज के माध्यम से (मि.यु. मे) Through Power Exchange in MU	
			विक्रय Sale	क्रय Purchase
61	आंध्र प्रदेश Andhra Pradesh	दक्षिणी क्षेत्र SR	16.33	108.05
62	कर्नाटक Karnataka		0.00	155.55
63	केरल Kerala		6.61	38.80
64	तमिलनाडु Tamilnadu		0.00	20.58
65	पाण्डिचेरी Pondicherry		0.00	0.00
66	गोवा Goa		0.00	0.00
67	लांको कोंडापल्ली LANCO KONDPLY		0.00	0.00
68	सिमापुरी SIMHAPURI		60.32	0.00
69	मीनाक्षी MINAXI		37.42	0.00
70	तेलंगाना TELANGANA		16.10	206.01
71	थर्मल पावर टेक Thermal Power Tech	137.50	0.00	
72	पश्चिम बंगाल West Bengal	5.56	74.16	
73	उड़ीशा Odisha	22.83	15.56	
74	बिहार Bihar	0.00	269.97	
75	झारखंड Jharkhand	0.00	4.25	
76	सिक्किम Sikkim	5.21	0.00	
77	दामोदर घाटी परियोजना DVC	7.36	0.00	
78	स्टरलाइट STERLITE	0.00	0.00	
79	मैथन पावर लिमिटेड Maithon P. Ltd	1.59	0.00	
80	आधुनिक पा. लिमिटेड Adhunik P.Ltd	77.45	0.00	
81	चुजाचैन Chuzachen HEP	5.74	0.00	
82	रंगित Rangit HEP	0.00	0.00	
83	तीस्ता Teesta HEP	0.00	0.00	
84	जीएमआर कमलंगा GMR Kamalanga	0.27	0.00	
85	जिदल आई पी टी एल JIPTL	362.30	0.00	
86	जोरथांग Jorethang	11.25	0.00	
87	अरुणाचल प्रदेश Arunachal Pradesh	0.00	10.17	
88	असम Assam	25.40	35.70	
89	मणिपुर Manipur	12.04	2.36	
90	मेघालय Meghalaya	1.84	16.07	
91	मिजोरम Mizoram	2.58	0.00	
92	नागालैंड Nagaland	0.00	9.04	
93	त्रिपुरा Tripura	84.46	0.00	
94	अगरतला जीटीपीपी Agartala GTPP AGO	0.00	0.00	
95	कोपिली KOPIJI KP1	0.00	0.00	
96	असम जीबीपीपी Assam GBPP_KTO	0.00	0.00	
97	लोकटक LOKTAK	0.00	0.00	
98	रंगानदी Ranganadi	0.00	0.00	
99	दोयांग Doyang	0.00	0.00	
100	पलाताना Palatana	0.00	0.00	
कुल Total			2814.47	2814.47

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-February 2016****RE Source & Unit wise break up (01.02.2016-29.02.2016)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	104.15	12	2.75	2
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	4.13	5	3	2
5	Small Hydro	0	0	6	1
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	4.5	1	0	0
9	Bio-fuel cogeneration	17.19	3	12.06	1
	Total	129.97	21	23.81	6

RECs Issued (01.02.2016-29.02.2016)

Sr.No.	Non Solar	Solar	Total
1	410156	206335	616491

Redemption of REC (01.02.2016-29.02.2016)

Sr.No.	Non Solar	Solar	Total
1	628831	90236	719067

16. RENEWABLE ENERGY CERTIFICATE MECHANISM**MONTH:-February 2016****RE Source & Unit wise break up (Apr-15- Feb-16)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	211.85	34	105.3	21
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	56.26	37	58.87	41
5	Small Hydro	8.5	3	32.5	4
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	18.24	4	15.74	4
9	Bio-fuel cogeneration	54.5	8	47.68	7
	Total	349.35	86	260.09	77

RECs Issued (Apr-15- Feb-16)

Sr.No.	Non Solar	Solar	Total
1	6540005	2188394	8728399

Redemption of REC (Apr-15- Feb-16)

Sr.No.	Non Solar	Solar	Total
1	3467051	511419	3978470

16. RENEWABLE ENERGY CERTIFICATE MECHANISM

MONTH:-February 2016

RE Source & Unit wise break up Since Inception to Feb 16

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	2500.64	630	2293.45	595
2	Urban or Municipal Waste	8	1	0	0
3	Solar Thermal	3	1	0	0
4	Solar PV	633.21	319	620.42	306
5	Small Hydro	327.19	39	299.69	35
6	Others	1.67	1	1.67	1
7	Geothermal	0	0	0	0
8	Biomass	715.02	76	694.52	73
9	Bio-fuel cogeneration	956.28	109	882.46	102
	Total	5145.01	1176	4792.21	1112

RECs Issued since Inception to Feb 16

Sr.No.	Non Solar	Solar	Total
1	26537797	4032185	30569982

Redemption of REC since Inception to Feb 16

Sr.No.	Non Solar	Solar	Total
1	12887218	755612	13642830

REC Closing balance as on 29.02.2016

Sr.No.	Non Solar	Solar	Total
1	13650579	3276573	16927152

17. Major Grid Events for February 2016

S.No.	Region	Name of Elements	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	NER	132 kV Loktak - Imphal (PG) line & 132 kV Loktak - Ningthoukhong line	POWERGRID, MSPCL	01-02-2016	14:43	01-02-2016	15:25	00:42	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 14:43 Hrs on 01.02.16, 132 kV Loktak-Ningthoukhong line tripped. Due to tripping of this element, Ningthoukhong area was separated from rest of NER Grid and subsequently collapsed due to no source in this	0	10	GD-I
2	NR	1)400kV Agra(PG)-Bassi1(PG) 2) 400kV Agra(PG)-Sikar(PG) 1	POWERGRID	01-02-2016	20:59	02-02-2016	06:32	09:31	400kV Agra(PG)-Bassi1(PG) and 400kV Agra(PG)-Sikar(PG) 1 tripped on overvoltage.	Nil	Nil	GI-2
3	NR	1) 400kV Dhuri-Rajpura (TH)-2 2)400kV Nakodar-Rajpura (TH)-2	Punjab	04-02-2016	16:08	04-02-2016	16:43	00:35	Multiple elements tripped at 400kV Rajpura (TH) on phase to earth fault.	Nil	Nil	GI-2
4	NR	1) 400kV Balia-Biharsharif-2 2)400kV Balia-Sohawal-1	POWERGRID	04-02-2016	16:12	04-02-2016	16:57	00:45	Multiple elements tripped at 400kV Balia on Y-phase to earth fault.	Nil	180	GI-2
5	NR	1) 400kV Chamera I(NHPC)-Chamera II(NHPC), 2)400kV Chamera I(NHPC)-Jalandhar(PG) 1 & 2 3)400kV Chamera II(NHPC)-Kishenpur(PG)	POWERGRID/ NHPC	07-02-2016	00:46	07-02-2016	05:48	05:02	400kV Chamera I(NHPC)-Chamera II(NHPC), 400kV Chamera I(NHPC)-Jalandhar(PG) 1 & 2 and 400kV Chamera II(NHPC)-Kishenpur(PG) tripped on overvoltage.	Nil	Nil	GI-2
6	NER	132 kV Doyang - Mokokchung(NA) line	DoP, Nagaland	08-02-2016	20:21	08-02-2016	20:52	00:31	Mokokchung area of Nagaland was connected with rest of NER Grid through 132 kV Doyang-Mokokchung (NA) . (132 kV Mokokchung (NA)-Mokokchung (PG) I & II lines were under planned shutdown,132 kV Mokokchung(NA)-Marianai(AS) is under long outage & 66 kV Tuangsang-Likimro line kept open for system requirement). At 20:21 Hrs on 08.02.16 ,132 kV Doyang-Mokokchung (NA) line tripped. Due to tripping of this element, Mokokchung area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	29	GD-I
7	NR	1) 220kV Allahabad(PG)-Allahabad(UP) ckt 1 & 2	POWERGRID/ UP	08-02-2016	20:40	08-02-2016	21:15	00:35	220kV Allahabad(PG)-Allahabad(UP) ckt 1 & 2 tripped due to B-phase LA blast at Allahabad{Rewa Road(UP)} end. Bus Bar Protection operated at 220kV Rewa Road.	Nil	Nil	GI-1
8	NER	132 kV Imphal (PG) - Imphal (MA) I, 132 kV Imphal (PG) - Imphal (MA) II	POWERGRID/ MSPCL	09-02-2016	04:10	09-02-2016	04:28	00:18	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 04:10 Hrs on 09.02.2016 ,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	0	41	GD-I
9	NR	1)220kV Akal-Mada line 2) 700MW Wind generation	Rajasthan	10-02-2016	12:18	10-02-2016	12:22	00:04	700MW Wind generation tripped at 12:18hrs in Rajasthan.	700	Nil	GD-I
10	SR	Complete outage of 230kV Thiruvvelam Substation of TANTRANSCO	TANTRANSCO	10-02-2016	15:42	10-02-2016	16:34	00:52	Mal-operation of 230kV bus bar protection resulted in tripping of all feeders and ICT's. Station is on a single bus operation.	Nil	Nil	GD-I
11	NR	1)500kV Balia(PG)-Bhiwadi(PG) HVDC bipole	POWERGRID	11-02-2016	16:30	11-02-2016	16:38	00:08	500kV Balia(PG)-Bhiwadi(PG) HVDC bipole tripped due to fault at Balia end.	Nil	Nil	GI-2
12	NR	1)Both 200MVA and 120MVA ICT at Hiranagar 2)All running units and all feeders at 132kV Sewa-II. 3)132kV Hiranagar-Bari Brahamara line-2	NHPC	11-02-2016	06:43	11-02-2016	07:15	00:32	Phase to earth fault occurred in 132kV Hiranagar-Bari Brahamara line-2, both 132kV side tie breakers of 200MVA and 120MVA ICT also tripped on earth fault. This resulted in tripping of all running units and all feeders at 132kV Sewa-II.	Nil	60	GD-I
13	NR	1) 400kV Bareilly(PG)-Bareilly(UP) Ckt-1 & 2 2) 400kV Bareilly(PG)-Moradabad(UP) Ckt-I	POWERGRID/ UP	12-02-2016	15:42	12-02-2016	16:00	00:18	Y-B ph to ph fault occurred in 400kV Bareilly(PG)-Bareilly(UP) Ckt-1 resulting in tripping of both ccts.400kV Bareilly(PG)-Moradabad(UP) Ckt-I tripped on R-Y ph to ph fault.	Nil	Nil	GI-2

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
14	WR	Tripping of 1. 400 kV Jejuri-Koyna IV on R-E Fault 2. 400 kV Karad-New Koyna II on B-E Fault 3. 220 kV Karad-Mudshingi II on R-E Fault 4. 400 kV Karad-New Koyna I on R-E Fault 5. 220 kV Kolhapur-5 Star I on DPR 6. 400 kV Karad-Kolhapur II on R-E Fault 7. 400 kV Kolhapur-Kohapur (PG) I on B-E Fault 8. 220 kV Karad-Nigade on R-E fault due to Heavy fog in karad area	MSETCL/PGCIL	12-02-2016	Various Times	12-02-2016	Various Times	00:42	Due to fog near Karad area in Maharashtra, Many of the 400 and 220 kV lines tripped on fault. However there was no interruption in any other area in the system.	Nil	Nil	GI-2
15	WR	Tripping of 1. 220 kV Amarkantak-Sidhi 2. 220 kV Rewa-Sidhi 3. 220 kV Birisingpur-Rewa 4. 220 kV Sidhi-Hindalco due to tripping of 220 kV Amarkantak-Sidhi on transient fault resulted in tripping of other ckt on over current	MPPTCL	12-02-2016	18:58	12-02-2016	19:12	00:14	At 18:58 Hrs., 33 kV 'R' & 'Y'- Phase pole of CB of 132/33 KV, 20 MVA GEC ICT burst at 220 kV Sidhi S/s, resulting in 33 kV Bus Fault and tripping of 132/33 kV, 40 MVA BHECL ICT. But there was delayed fault clearance of from 132 kV side of GEC ICT as its Master Trip relay (Avana Make) did not operate, consequently fault was being fed to 132 kV system through this ICT and to 220 kV system through 220/132 kV, 160 MVA ICT. This caused current unbalancing in 220/132 kV, 160 MVA ICT at 132 kV side resulting in tripping of 132 kV incomer of 220/132 KV, 160 MVA ICT at 220 kV Sidhi S/s. This led to further tripping of 132 kV Sidhi-Rewa and 132 kV Sidhi-Maganwan circuit on backup protection. This led to supply interruption at 132 kV Sidhi, Maugani, Deosar, Katra and Maganwan S/s.	Nil	173	GI-1
16	SR	Complete outage of Sharavathy power station of KPCL	KPCL	18-02-2016	16:43	22-02-2016	--	---	Line and units were hand tripped due to fire in power station. Power station not yet restored.	450	Nil	GD-1
17	NER	132 kV Doyang - Mokokchung(NA) line	DoP, Nagaland	18-02-2016	17:14	18-02-2016	17:30	00:16	Mokokchung area of Nagaland was connected with rest of NER Grid through 132 kV Doyang-Mokokchung (NA) . (132 kV Mokokchung (NA)-Mokokchung (PG) I & II lines were under planned shutdown,132 kV Mokokchung(NA)-Marianai(AS) is under long outage & 66 kV Tuensang-Likimro line kept open for system requirement). At 17:14 Hrs on 18.02.16 ,132 kV Doyang-Mokokchung (NA) line tripped. Due to tripping of this element, Mokokchung area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	GD-I
18	NR	1)220kV Sarna(PSTCL)-Hiranagar 2)220kV Sarna(PSTCL)-Udhampur 3)220kV Sarna(PSTCL)-RSD ckt 1,2,3 4)220kV Sarna-Dasya 1	Punjab/J&K	19-02-2016	08:11	19-02-2016	08:36	00:25	Multiple elements tripped at 220kV Sarna(Punjab) on phase to earth fault.	Nil	Nil	GI-1
19	SR	Tripping of HVDC Talcher-Kolar pole-1	POWERGRID	20-02-2016	18:22	20-02-2016	19:15	00:53	Pole-1 tripped on line side AC over voltage fault and valve winding AC overvoltage fault.	0	0	GI-2
20	NER	132 kV Doyang - Mokokchung(NA) line	DoP, Nagaland	21-02-2016	00:38	21-02-2016	05:30	04:52	Mokokchung area of Nagaland was connected with rest of NER Grid through 132 kV Doyang-Mokokchung (NA) . (132 kV Mokokchung (NA)-Mokokchung (PG) I & II lines were under planned shutdown,132 kV Mokokchung(NA)-Marianai(AS) is under long outage & 66 kV Tuensang-Likimro line kept open for system requirement). At 00:38 Hrs on 21.02.16 ,132 kV Doyang-Mokokchung (NA) line tripped. Due to tripping of this element, Mokokchung area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	19	GD-I
21	NER	132 kV Dimapur (PG) - Kohima	POWERGRID/ DoP, Nagaland	21-02-2016	05:15	21-02-2016	05:27	00:12	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur(PG)-Kohima line (132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement). At 05:15 Hrs on 21.02.16 , 132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	14	GD-I

S.No.	Region	Name of Elements	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					
22	NER	132 kV Dimapur (PG) - Kohima	POWERGRID/ DoP, Nagaland	21-02-2016	10:08	21-02-2016	10:51	00:43	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur(PG)-Kohima line (132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement). At 10:08 Hrs on 21.02.16 ,132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	16	14	GD-I
23	SR	Complete outage of 220kV Yerraguntla substation of APTRANSCO and tripping of Unit-1 & unit -5 at Rayalaseema TPS of APGENGCO	AP	21-02-2016	10:36	21-02-2016	11:28	00:52	CT failure had occurred in 100MVA ICT at 220kV Yerantaguntla substation of APTRANSCO. This resulted in a bus fault. Non-opening of bus-coupler breaker at Yeraguntla led to tripping of both the buses. During this event, Unit-1 at RYTPS tripped on furnace pressure low and Unit-5 at RYTPS tripped due to ID fan trip	300	Nil	GD-I
24	NER	132 kV Dimapur (PG) - Dimapur (Nagaland) I & II lines	POWERGRID/ DoP, Nagaland	21-02-2016	11:20	21-02-2016	11:33	00:13	Dimapur area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur (PG)-Dimapur (NA) I & II lines. At 11:20 Hrs on 21.02.16 ,132 kV Dimapur (PG)-Dimapur (NA) I & II lines tripped. Due to tripping of these elements, Dimapur area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	36	GD-I
25	SR	Tripping of HVDC Talcher-Kolar pole-1	POWERGRID	21-02-2016	16:46	21-02-2016	21:36	04:50	Pole-1 tripped due to failure of 3 No. gate units in a single valve	0	0	GI-2
26	NER	132 kV Dimapur (PG) - Kohima	POWERGRID/ DoP, Nagaland	21-02-2016	17:10	21-02-2016	17:36	00:26	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur(PG)-Kohima line (132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement). At 17:10 Hrs on 21.02.16 ,132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	16	19	GD-I
27	SR	Complete outage of 220kV Nagjheri power station and 220kV Ambewadi sub station of KPTCL	KPTCL	22-02-2016	12:36	22-02-2016	13:09	00:33	220kV lines from Nagjheri power house started tripping from 11:00 hrs due to fault in lines. The sequence of tripping is shown in SOE list. At 12:33 hrs, 220kV Narendra-Ambewadi lines-1&2 got tripped which resulted in loss of evacuation path to Nagjheri station resulting in tripping of running Units and complete outage at Nagjheri power station. 220kV Ambewadi station also got de-energized due to tripping of source feeders i.e. 220kV Narendra-Ambewadi-1&2 and 220kV Nagjheri-Ambewadi-1&2.	500	99	GD-I
28	SR	Complete outage of 220kV Shimoga substation of KPTCL	KPTCL	22-02-2016	15:03	22-02-2016	15:46	00:43	220kV Bus Bar protection operated during failure of R phase CT in Davangare line-2 bay. Shimogas station was on a single bus operation.	Nil	200	GD-I
29	SR	Tripping of HVDC GAJUWAKA POLE 1	POWERGRID	23-02-2016	10:13	23-02-2016	19:58	09:45	THYRISTOR FAILURE	0	0	GI-2
30	NER	132 kV Aizawl- Zuangtui line	POWERGRID	24-02-2016	02:05	24-02-2016	11:22	09:17	Zuangtui area of Mizoram was connected with rest of NER Grid through 132 kV Aizawl- Zuangtui line. At 02:05 Hrs on 24.02.16, 132 kV Aizawl- Zuangtui line tripped. Due to tripping of this element, Zuangtui area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	19	GD-I
31	NER	132/33 kV 50 MVA ICT-I at Nirjuli	POWERGRID	24-02-2016	16:50	24-02-2016	22:13	05:23	Nirjuli area of Arunachal Pradesh was connected with rest of NER Grid through 132/33 kV, 50 MVA ICT-I at Nirjuli. At 16:50 Hrs on 24.02.16, 132/33 kV, 50 MVA ICT-I at Nirjuli tripped. Due to tripping of this element, Nirjuli area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	11	GD-I
32	ER	1. Kolaghat Unit - 1 & 3 2. 400/220 kV Kolaghat ICT - 2 3. 220 kV KTPP-Haldia 4. 220 kV KTPP-Howrah - 2	WB	24-02-2016	18:58	24-02-2016	19:30	00:32	LBB of 220kV Bus-2 at Kolaghat operated and KTPP U-1&3, ICT-2 (315MVA,400/220kV)and 220kV KTPP-Howrah-2 & KTPP-Haldia tripped.	325	110	GD-I

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
33	NER	220 kV Misa - Mariani(AS),220 kV Samaguri - Mariani, 220 kV AGBPP - Mariani(PG), 132 kV Bokajan - Golaghat and AGBPP U 3,4&8	POWERGRID/AEGCL /NEEPCO	25-02-2016	10:20	25-02-2016	10:35	00:15	Upper Assam area and AGBPP system were connected with NER Grid through 220 kV Samaguri-Mariani(AS) ,220 Misa-Mariani(AS), 132 kV Bokajan - Golaghat and 220 kV Kathalguri-Mariani(PG) lines(220 KV Misa -Mariani(PG) was under planned SD from 0650 hrs and 132 kV Mariani - Mokochung line was under long outage). At 1020 hrs,220 kV Samaguri-Mariani(AS), 220 Misa-Mariani(AS), 132 kV Bokajan - Golaghat lines tripped. 220 kV Kathalguri-Mariani(PG) line tripped on O/V subsequently at 1022 hrs. Due to the tripping these elements, Upper Assam area and AGBPP system got isolated from rest of NER grid. The isolated grid frequency shoots up to 51.99 Hz and AGBPP Unit 3, Unit 4 and Unit 8 tripped on high	124	0	GD-I
34	NR	1) All 220kV lines at 400/220kV Ludhiana	POWERGRID/Punjab	25-02-2016	14:25	25-02-2016	15:32	01:07	All 220kV lines tripped at 400/220kV Ludhiana.	Nil	550	GD-I
35	NR	1)400kV Mundka(PG)-Bawana(PG) D/C	Delhi	25-02-2016	13:39	25-02-2016	14:07	02:09	400kV Mundka(PG)-Bawana(PG) D/C tripped due to problem in R-phase isolator.	Nil	Nil	GI-2
36	WR	Tripping of 1. 220 KV Kosamba - Utran 2. 220 KV Kosamba - Vav 3. 220 KV Kosamba -Kim line 1 & 2 4. 220 KV Sugan -Kim line 1 & 2 5. 220 KV Bus-coupler @ Kim 6. 220 KV Kawas - Dastan 2 7. 400 KV Kosamba - Asoj 8. 400 KV Sugan - Zantor 9. 220 KV Kim - GSEG line 10. 220 KV Kosamba - GSEG 1 11. 400 KV Kosamba - Asoj 12. 400 KV Kosamba - Chorania 2 13. 220 KV Bus - II SLPP 14. 220 KV SLPP - Jhagadia 1 15. 220/6.9 KV 15/25 MVA ST-2 SLPP 16. 220 KV Gavasad- SLPP 1 17. 220 KV Kosamba-Suva line 18. 220 KV Kosamba- Gavasad line 19. 400 KV UTPS - Kosamba line-2 due to heavy fog in south Gujrat	GETCO/SUGEN/PGCIL/GSEG/ SLPP	26-02-2016	Various Times	26-02-2016	Various Times	00:45	Due to Fog in southern gujarat System several lines from Kosamba, Utran,Vav,Sugan,SLPP and Kwas has tripped due to fog in the Southern Gujarat. However there was no Load/Generation Loss during the event.	Nil	Nil	GI-2
37	WR	Tripping of 1. 765 kV Bus-I 2. 765 kV Bus-II 3. 765/400 kV ICT-I 4. 765 kV Champa-Durg S/C 5. 765 kV Champa-Kotra S/C due to false bus bar protection operation at 765 kV Champa	PGCIL	27-02-2016	12:52	27-02-2016	14:35	01:43	During Relay wiring in the Kiosk for Bay Extension works , DC got extended and false Bus-bar protection operated at Champa. This caused blackout at station and DT being send to remote end of 765 kV Champa-Kotra & 765kv Champa-Durg.	Nil	Nil	GD-1
38	NR	1) 400kV Baghpat(PG)-Kaithal(PG) 1&2 2) 400kV Baghpat(PG)-Meerut(PG) 1&2	POWERGRID	27-02-2016	12:54	27-02-2016	20:03	07:09	Bus bar protection operated at Kaithal due to Flash in GCO2 compartment of BUS II and 400kV Baghpat(PG)-Kaithal(PG) 1&2 and 400kV Baghpat(PG)-Meerut(PG) 1&2 tripped.	Nil	Nil	GI-2
39	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I&II lines	POWERGRID/MePTCL	27-02-2016	14:14	27-02-2016	14:16	00:02	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines. (132 kV Panchgram-Lumnsnong line, 132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai line were kept open for system requirement). At 14:14 Hrs on ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequent collapsed due to no source in this area.	0	51	GD-I

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
40	WR	Tripping of 1. 220 kV Birsingpur-SGPTS 1,2,3,4 2. 220 kV Birsingpur-Jabalpur D/C 3. 220/132 kV ICT at Birsingpur (radial feed to Umariya Load) 4. 220 kV Birsingpur-Railway D/C 5. SGTPS Unit-3 & 4 of 200 MW 6. 220 kV Birsingpur-Birsingpur Hydro D/C due to 220 kV Bus coupler Y-Ph CT burst at 220/132 kV Birsingpur(Pali)	MPPTCL/ MPPGCL	28-02-2016	03:12	28-02-2016	03:52	00:40	Due to bursting of Y phase CT of 220 kV bus coupler of 220/132 kV Birsingpur S/s all elementes tripped. Simultaneously Unit 3 & 4 at Birsingpur (SGTPS) TPS also tripped on jerk.	306	Not available	GD-I
41	WR	Tripping of 1. 400 kV Dhule-Khandwa-II 2. 400 kV Dhule-Dhule (BDTCL)-I 3. 400 kV Dhule-Bableshtar-I 4. 400/220 kV 315 MVA ICT-2 5. 400 kV Bus-I due to bus bar protection operation	MSETCL	28-02-2016	08:16	28-02-2016	09:08	00:52	On date 28/02/16 08:17 Hrs at 400kV Dhule S/S, Bus-bar protection Zone-A get operated.At the time of operation there was no any actual bus fault or any other external fault too.Also there was no any yard operations was going on.The bus bar scheme is RADSS.Flag indications observed for the scheme was only "U" i.e. tripping flag only.There was no any phase indication i.e. either "R", "S", or "T" .This implies the Bus-Bar mal-operation.At the time of restoration again Bus-bar protection Zone-A get operated at 09:39 Hrs.During this second incidence small spark observed in B-Ph RQDA module of RADSS scheme.Also on checking RQDA module slight carbonization observed at SR/DR card of B-Ph RQDA module.This is cleaned up and again Bus-bar protection taken into service and normalcy restored. During this operation due to tripping of 500 MVA ICT connected to bus-1 there was over load on other 315x2 MVA ICTs and It's load trimming scheme operated and 220kV Chalisgaon line tripped.	Nil	Not available	GI-2
42	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I&II lines	POWERGRID/MePTCL	28-02-2016	12:54	28-02-2016	12:58	00:04	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines. (132 kV Panchgram-Lumnsnong line, 132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai line were kept open for system requirement). At 12:54 Hrs on 28.02.16 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequent collapsed due to no source in	0	31	GD-I
43	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I&II lines and Leshka U I	POWERGRID/MePTCL	28-02-2016	15:14	28-02-2016	15:21	00:07	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines. (132 kV Panchgram-Lumnsnong line, 132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai line were kept open for system requirement). At 15:14 Hrs on 28.02.16 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequent collapsed due to load	5	43	GD-I
44	NER	132 kV Khliehriat (PG) - Khliehriat (ME) I&II lines and 220 kV Agia -Azara	POWERGRID/MePTCL/AEGCL	28-02-2016	16:00	28-02-2016	16:05	00:05	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines. (132 kV Panchgram-Lumnsnong line, 132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai line were kept open for system requirement). At 16:00 Hrs on 28.02.16 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequent collapsed due to no source in	0	23	GD-I
45	NR	1)400kV Kalisindh unit #1 & 2	Rajasthan	28-02-2016	17:26	29-02-2016	08:43	15:17	400kV Kalisindh unit #1 & 2 of 600MW tripped due to tripping of GT.	800	Nil	GD-I

18. NEW ELEMENTS COMMISSIONED IN FEBRUARY-2016								
COMMISSIONING OF NEW GENERATING UNITS								
REGION	SL. NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY (MW)	DATE	TIME	
WR	1	IPP	RKM	2	360	12-02-2016		
SR	2	KPCL	YERMARUS TPS	1	800	09-02-2016		
COMMISSIONING OF NEW ICT's								
REGION	SL. NO.	CONSTITUENT	VOLTAGE LEVEL	SUB-STATION	ICT NO	CAPACITY	DATE	TIME
NR	1	POWERGRID	765/400	Varanasi	I	1500 MVA	29-02-2016	
WR	2	Gujarat	400/220	Asoj	IV	500 MVA	13-02-2016	
COMMISSIONING OF NEW TRANSMISSION LINES								
REGION	SL. NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	TIME (Hrs)	
NR	1	POWERGRID	Balia-Varanasi	I	765	16-02-2016		
	2		RAPP-Shujalpur	II	400	26-02-2016		
WR	3	MSEDCL	Chandrapur-Nanded (LILO of Chandrapur-Parli II)	I	400	11-02-2016		
	4		Nanded-Parli (LILO of Chandrapur-Parli II)	I	400	11-02-2016		
	5	GETCO	APL-Kansari(Zerda)	III	400	20-02-2016		
	6		Varsana-Kansari (Part of APL-Zerda IV)	I	400	20-02-2016		
ER	7	POWERGRID/NEPAL	Muzaffarpur-Dhalkebar	I	400 (charged at 132)	17-02-2016		
	8	POWERGRID	Chuzachen-Gangtok (converted from Chuzachen-Melli)	I	132	27-02-2016		
	9		Rangpo-Melli (converted from Rangpo-Gangtok)	I	132	27-02-2016		

विद्युत विभव रूपरेखा माह – फरवरी 2016

VOLTAGE PROFILE - FEBRUARY 2016

क्र.स. Sl. No.	क्षेत्र REGION	उपकेंद्र SUBSTATION	VOLTAGE < V(lower)* (V=380,728 kV)	V(lower) < VOLTAGE < V(upper)*	VOLTAGE > V(upper)* (V=420,800 kV)	Voltage Deviation Index (%age of time voltage is outside range)	उच्चतम (कि.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	779	748	765
2		गया GAYA	0%	100%	0%	0%	771	731	753
3		झारसगुड़ा JHARSUGUDA	0%	100%	0%	0%	800	762	783
4		रांची RANCHI	0%	100%	0%	0%	800	764	783
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	798	746	773
2		अनपरा सी ANPARA-C	0%	100%	0%	0%	777	746	760
3		बलिया BALLIA	0%	100%	0%	0%	781	734	756
4		भित्तानी BHIWANI	0%	90%	10%	10%	809	760	786
5		बरेली BAREILLY	0%	100%	0%	0%	760	746	760
6		फतेहपुर FATEHPUR	0%	100%	0%	0%	784	733	759
7		झटिकरा JHATIKARA	0%	76%	24%	24%	816	762	790
8		लखनऊ LUCKNOW	0%	100%	0%	0%	760	749	773
9		मेरठ MEERUT	0%	79%	21%	21%	818	760	791
10		मोगा MOGA	0%	96%	4%	4%	810	755	783
11		फागी PHAGI	0%	100%	0%	0%	791	740	767
12		उन्नाव UNNAO	0%	100%	0%	0%	780	732	756
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	782	730	758
2		औरंगाबाद AURANGABAD	0%	99%	1%	1%	805	735	778
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	790	747	769
4		बिलासपुर BILASPUR	0%	100%	0%	0%	777	744	762
5		बीना BINA	0%	100%	0%	0%	797	751	774
6		चांपा CHAMPA	0%	39%	61%	61%	816	782	802
7		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	789	753	770
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	802	734	775
9		ग्वालियर GWALIOR	0%	100%	0%	0%	797	749	775
10		इंदौर INDORE	0%	100%	0%	0%	787	742	765
11		जबलपुर JABALPUR	0%	100%	0%	0%	800	752	777
12		कोरडी KORADI	0%	100%	0%	0%	770	735	754
13		पुणे PUNE	0%	100%	0%	0%	800	731	779
14		रायगढ़ पुलिंग RAIGARH POOLING	0%	95%	5%	5%	804	778	791
15		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	800	763	782
16		सासन SASAN	0%	100%	0%	0%	780	752	765
17		सतना SATNA	0%	100%	0%	0%	794	750	769
18		सिवनी SEONI	0%	100%	0%	0%	794	746	773
19		सीपत SIPAT	0%	100%	0%	0%	775	744	762
20		सोलापुर SOLAPUR	0%	83%	17%	17%	818	742	790
21		तामनार TAMNAR	0%	99%	1%	1%	803	778	791
22		तिरोड़ा TIRORA	0%	100%	0%	0%	768	743	755
23		वडोदरा VADODARA	0%	100%	0%	0%	798	754	779
24		विन्ध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	788	755	768
25		वर्धा WARDHA	0%	100%	0%	0%	806	701	780
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	88%	12%	12%	815	757	789
2		नेल्लूर पुलिंग NELLORE PS	0%	98%	2%	2%	806	756	784
3		रायचूर RAICHUR	0%	85%	15%	15%	814	754	790
4		तिरुवलम THIRUVALEM	0%	73%	27%	27%	819	760	794
1	पूर्वोत्तर क्षेत्र NER	बालिपारा BALIPARA (400 kV)	0%	91%	9%	9%	431	383	408
2		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	422	385	405
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	420	383	407
4		मिसा MISA (400 kV)	0%	94%	6%	6%	427	391	410
5		सिलचर SILCHAR (400 kV)	0%	89%	11%	11%	424	391	414

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

20. List of Tripping of Elements monitored by NLDC for the month of February 2016

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month
HVDC - IR									
1	Pusauli	HVDC	ER/NR	TS	09-02-2016 21:03	Tripped due to Converter control protn (north side) main-1&2 non urgent blocking alarms	10-02-2016 20:17	23:14:00	1
2	Pusauli	HVDC	ER/NR	SO	12-02-2016 12:19	Data upgradation	12-02-2016 20:02	7:43:00	1
3	Pusauli	HVDC	ER/NR	SO	13-02-2016 09:06	Data upgradation	13-02-2016 20:26	11:20:00	1
4	Pusauli	HVDC	ER/NR	SO	14-02-2016 09:30	Data upgradation	14-02-2016 14:25	4:55:00	1
5	Pusauli	HVDC	ER/NR	SO	15-02-2016 09:07	Data upgradation	15-02-2016 23:12	14:05:00	1
6	Pusauli	HVDC	ER/NR	SO	17-02-2016 10:53	Data upgradation	17-02-2016 20:01	9:08:00	1
7	Pusauli	HVDC	ER/NR	TP	18-02-2016 11:21	"system failure" alarm	18-02-2016 13:16	1:55:00	2
8	Pusauli	HVDC	ER/NR	MO	21-02-2016 08:30	To facilitate SD of Sasaram Allahabad	21-02-2016 15:25	6:55:00	2
9	Pusauli	HVDC	ER/NR	TS	23-02-2016 09:55	Bird strike in capacitor bank	23-02-2016 11:13	1:18:00	3
10	Pusauli	HVDC	ER/NR	TP	25-02-2016 22:33	System Fail alarm	25-02-2016 23:22	0:49:00	4
11	Talcher-Kolar Pole-I	HVDC	ER/SR	TS	20-02-2016 18:22	VALVE COOLING PROBLEM	20-02-2016 19:15	0:53:00	1
12	Talcher-Kolar Pole-I	HVDC	ER/SR	TS	21-02-2016 16:46	VALVE COOLING PROBLEM	21-02-2016 21:36	4:50:00	2
13	Gazuwaka Pole-I	HVDC	ER/SR	TS	23-02-2016 10:13	THYRISTOR FAILURE	23-02-2016 19:58	9:45:00	1
14	Biswanath Chariali-Agra Pole-I	HVDC	NER/NR	TS	01-02-2016 02:07	Converter transformer protection operated	01-03-2016 00:00	693:53:00	1
HVDC - Internal									
15	Balia-Bhiwadi Pole-I	HVDC	NR	SO	06-02-2016 08:49	For RTV Coating over smoothing reactors at Bhiwadi end	06-02-2016 19:54	11:05:00	0
16	Balia-Bhiwadi Pole-II	HVDC	NR	SO	07-02-2016 08:35	For RTV Coating over smoothing reactors at Bhiwadi end	07-02-2016 19:28	10:53:00	0
17	Balia-Bhiwadi Pole-I	HVDC	NR	TL	11-02-2016 16:30	Transient fault	11-02-2016 16:38	0:08:00	1
18	Balia-Bhiwadi Pole-II	HVDC	NR	TL	11-02-2016 16:30	Transient fault	11-02-2016 16:45	0:15:00	1
19	Rihand-Dadri Pole-II	HVDC	NR	SO	26-02-2016 06:26	To replacement the damaged aircore reactor of R-D HVDC Pole-II at Rihand end	27-02-2016 03:02	20:36:00	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
20	Rihand-Dadri Pole-II	HVDC	NR	TL	27-02-2016 15:30	Rihand-Chapki E/electrode Line, conductor snapped at loc no 64	27-02-2016 18:16	2:46:00	1
21	Rihand-Dadri Pole-II	HVDC	NR	SE	29-02-2016 03:41	Due to fire in Capacitor valve hall at RIHAND	29-02-2016 09:15	5:34:00	1
765 kV - IR									
22	765 kV Gaya-Fatehpur	Line	ER/NR	SO	04-02-2016 16:21	For oil top up in line reactor at Fatehpur	04-02-2016 18:19	1:58:00	0
23	765 kV Gaya-Fatehpur	Line	ER/NR	TL	09-02-2016 07:17	Distance Protection Operated	09-02-2016 07:46	0:29:00	1
24	765 kV Gaya-Fatehpur	Line	ER/NR	SC	16-02-2016 08:38	For stringing (power line crossing) of 400kv D/C Sarnath-Varanasi lines	16-02-2016 18:31	9:53:00	1
25	765 kV Gaya-Fatehpur	Line	ER/NR	SC	17-02-2016 08:14	For stringing (power line crossing) of 400kv D/C Sarnath-Varanasi lines	17-02-2016 18:54	10:40:00	1
26	765 kV Gaya-Fatehpur	Line	ER/NR	SE	19-02-2016 14:15	Leakage on reactor at Fatehpur	19-02-2016 19:21	5:06:00	1
27	765 kV New Ranchi-Dharamjaygarh-II	Line	ER/WR	SE	16-02-2016 09:55	Lady climbed on tower	16-02-2016 12:27	2:32:00	0
28	765 kV Jharsuguda-Dharmjaygarh-I	Line	ER/WR	SE	20-02-2016 07:17	R ph Isolator sparking at Dharamjaygarh end	20-02-2016 20:14	12:57:00	0
29	765 kV Gwalior-Phagi-I	Line	WR/NR	SE	07-02-2016 14:15	Due to sparking in wave trap at Gwalior end	07-02-2016 20:57	6:42:00	0
30	765 kV Gwalior-Phagi-I	Line	WR/NR	TV	07-02-2016 04:01	Tripped on Over Voltage	07-02-2016 05:25	1:24:00	1
31	765 kV Solapur-Raichur-I	Line	WR/SR	TP	10-02-2016 12:45	DT received at Raichur end	10-02-2016 13:01	0:16:00	1
765 kV Internal									
32	765kV Meerut-Bhiwani(PG)	Line	NR	MO	01-02-2016 00:00	Opened manually due to High Voltage	01-02-2016 06:58	6:58:00	0
33	765kV Meerut-Bhiwani(PG)	Line	NR	MO	01-02-2016 21:36	Opened manually due to High Voltage	02-02-2016 08:03	10:27:00	0
34	765kV Meerut-Bhiwani(PG)	Line	NR	MO	02-02-2016 21:58	Opened manually due to High Voltage	03-02-2016 08:42	10:44:00	0
35	765kV Meerut-Bhiwani(PG)	Line	NR	MO	03-02-2016 21:18	Opened manually due to High Voltage	04-02-2016 09:29	12:11:00	0
36	765kV Meerut-Bhiwani(PG)	Line	NR	MO	04-02-2016 20:56	Opened manually due to High Voltage	05-02-2016 07:46	10:50:00	0
37	765kV Meerut-Bhiwani(PG)	Line	NR	MO	05-02-2016 21:44	Opened manually due to High Voltage	06-02-2016 08:03	10:19:00	0
38	765kV Meerut-Bhiwani(PG)	Line	NR	MO	06-02-2016 21:26	Opened manually due to High Voltage	07-02-2016 13:44	16:18:00	0
39	765kV Meerut-Bhiwani(PG)	Line	NR	MO	07-02-2016 21:00	Opened manually due to High Voltage	08-02-2016 09:20	12:20:00	0

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month
40	765kV Meerut-Bhiwani(PG)	Line	NR	MO	08-02-2016 21:47	Opened manually due to High Voltage	09-02-2016 09:54	12:07:00	0
41	765kV Meerut-Bhiwani(PG)	Line	NR	MO	10-02-2016 01:28	Opened manually due to High Voltage	10-02-2016 07:15	5:47:00	0
42	765kV Meerut-Bhiwani(PG)	Line	NR	MO	10-02-2016 20:41	Opened manually due to High Voltage	11-02-2016 07:41	11:00:00	0
43	765kV Meerut-Bhiwani(PG)	Line	NR	MO	11-02-2016 21:06	Opened manually due to High Voltage	12-02-2016 08:46	11:40:00	0
44	765kV Meerut-Bhiwani(PG)	Line	NR	MO	13-02-2016 20:58	Opened manually due to High Voltage	14-02-2016 08:39	11:41:00	0
45	765kV Meerut-Bhiwani(PG)	Line	NR	MO	14-02-2016 21:01	Opened manually due to High Voltage	15-02-2016 08:23	11:22:00	0
46	765kV Meerut-Bhiwani(PG)	Line	NR	MO	16-02-2016 01:40	Opened manually due to High Voltage	16-02-2016 05:53	4:13:00	0
47	765kV Meerut-Bhiwani(PG)	Line	NR	MO	16-02-2016 21:33	Opened manually due to High Voltage	17-02-2016 07:39	10:06:00	0
48	765kV Meerut-Bhiwani(PG)	Line	NR	MO	18-02-2016 01:19	Opened manually due to High Voltage	18-02-2016 06:57	5:38:00	0
49	765kV Meerut-Bhiwani(PG)	Line	NR	MO	18-02-2016 21:31	Opened manually due to High Voltage	19-02-2016 09:33	12:02:00	0
50	765kV Meerut-Bhiwani(PG)	Line	NR	MO	19-02-2016 21:32	Opened manually due to High Voltage	21-02-2016 13:57	40:25:00	0
51	765kV Meerut-Bhiwani(PG)	Line	NR	MO	21-02-2016 22:12	Opened manually due to High Voltage	22-02-2016 08:34	10:22:00	0
52	765kV Meerut-Bhiwani(PG)	Line	NR	MO	26-02-2016 01:46	Opened manually due to High Voltage	26-02-2016 07:13	5:27:00	0
53	765kV Meerut-Bhiwani(PG)	Line	NR	MO	26-02-2016 21:16	Opened manually due to High Voltage	27-02-2016 09:51	12:35:00	0
54	765kV Lucknow(PG)-Bareilly(PG)-I	Line	NR	SE	01-02-2016 12:30	To attend sparking problem in W/trap at Bareilly	01-02-2016 18:05	5:35:00	0
55	765kV Lucknow(PG)-Bareilly(PG)-I	Line	NR	TL	02-02-2016 15:48	Phase to phase fault.	02-02-2016 16:31	0:43:00	1
56	765kV Lucknow(PG)-Bareilly(PG)-I	Line	NR	SE	16-02-2016 13:27	For cleaning of polluted insulator string	16-02-2016 17:19	3:52:00	1
57	765kV Lucknow(PG)-Bareilly(PG)-I	Line	NR	SE	26-02-2016 11:41	Hot spot	26-02-2016 18:19	6:38:00	1
58	765kV Fatehpur-Agra-II	Line	NR	MO	01-02-2016 21:29	Opened manually due to High Voltage	02-02-2016 07:01	9:32:00	0
59	765kV Fatehpur-Agra-II	Line	NR	MO	02-02-2016 21:00	Opened manually due to High Voltage	03-02-2016 08:18	11:18:00	0
60	765kV Fatehpur-Agra-II	Line	NR	MO	04-02-2016 21:55	Opened manually due to High Voltage	05-02-2016 06:23	8:28:00	0
61	765kV Fatehpur-Agra-II	Line	NR	MO	07-02-2016 21:26	Opened manually due to High Voltage	08-02-2016 09:17	11:51:00	0

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month
62	765kV Fatehpur-Agra-II	Line	NR	MO	09-02-2016 01:06	Opened manually due to High Voltage	09-02-2016 05:51	4:45:00	0
63	765kV Fatehpur-Agra-II	Line	NR	MO	10-02-2016 01:26	Opened manually due to High Voltage	10-02-2016 06:45	5:19:00	0
64	765kV Fatehpur-Agra-II	Line	NR	MO	11-02-2016 04:35	Opened manually due to High Voltage	11-02-2016 07:46	3:11:00	0
65	765kV Fatehpur-Agra-II	Line	NR	MO	11-02-2016 21:09	Opened manually due to High Voltage	12-02-2016 07:46	10:37:00	0
66	765kV Fatehpur-Agra-II	Line	NR	MO	12-02-2016 21:59	Opened manually due to High Voltage	13-02-2016 08:37	10:38:00	0
67	765kV Fatehpur-Agra-II	Line	NR	MO	14-02-2016 21:36	Opened manually due to High Voltage	15-02-2016 06:23	8:47:00	0
68	765kV Fatehpur-Agra-II	Line	NR	MO	15-02-2016 21:18	Opened manually due to High Voltage	16-02-2016 08:15	10:57:00	0
69	765kV Fatehpur-Agra-II	Line	NR	MO	16-02-2016 22:02	Opened manually due to High Voltage	17-02-2016 06:54	8:52:00	0
70	765kV Fatehpur-Agra-II	Line	NR	MO	18-02-2016 01:17	Opened manually due to High Voltage	18-02-2016 06:00	4:43:00	0
71	765kV Fatehpur-Agra-II	Line	NR	MO	20-02-2016 22:03	Opened manually due to High Voltage	21-02-2016 07:46	9:43:00	0
72	765kV Fatehpur-Agra-I	Line	NR	MO	01-02-2016 00:00	Opened manually due to High Voltage	01-02-2016 07:18	7:18:00	0
73	765kV Fatehpur-Agra-I	Line	NR	SO	27-02-2016 10:58	For taking out/in L/Reactor unit (one ph unit) for bushing gasket replacement works at Agra end	27-02-2016 14:04	3:06:00	0
74	765kV Balia-Lucknow	Line	NR	SE	21-02-2016 11:07	Insulator cleaning work	21-02-2016 16:53	5:46:00	0
75	765kV Anpara C-Unnao	Line	NR	TL	08-02-2016 05:54	Distance Protection Operated	08-02-2016 18:01	12:07:00	1
76	765kV Anpara C-Anpara D	Line	NR	MO	21-02-2016 22:48	Opened manually due to High Voltage	22-02-2016 00:44	1:56:00	0
77	765kV Agra-Meerut	Line	NR	SC	01-02-2016 09:53	For balance stringing (power line crossing)of 765kV Mainpuri-Hapur line	01-02-2016 20:52	10:59:00	0
78	765 kV Moga-Meerut	Line	NR	MO	01-02-2016 00:00	Opened manually due to High Voltage	01-02-2016 08:53	8:53:00	0
79	765 kV Moga-Meerut	Line	NR	MO	02-02-2016 21:05	Opened manually due to High Voltage	03-02-2016 08:36	11:31:00	0
80	765 kV Moga-Meerut	Line	NR	MO	03-02-2016 21:17	Opened manually due to High Voltage	04-02-2016 08:34	11:17:00	0
81	765 kV Moga-Meerut	Line	NR	MO	04-02-2016 21:41	Opened manually due to High Voltage	05-02-2016 06:04	8:23:00	0
82	765 kV Moga-Meerut	Line	NR	MO	05-02-2016 21:44	Opened manually due to High Voltage	06-02-2016 07:50	10:06:00	0
83	765 kV Moga-Meerut	Line	NR	MO	06-02-2016 19:50	Opened manually due to High Voltage	08-02-2016 09:22	37:32:00	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
84	765 kV Moga-Meerut	Line	NR	MO	08-02-2016 20:13	Opened manually due to High Voltage	09-02-2016 07:04	10:51:00	0
85	765 kV Moga-Meerut	Line	NR	MO	09-02-2016 19:44	Opened manually due to High Voltage	10-02-2016 09:06	13:22:00	0
86	765 kV Moga-Meerut	Line	NR	MO	10-02-2016 20:56	Opened manually due to High Voltage	11-02-2016 07:38	10:42:00	0
87	765 kV Moga-Meerut	Line	NR	MO	11-02-2016 21:05	Opened manually due to High Voltage	12-02-2016 08:42	11:37:00	0
88	765 kV Moga-Meerut	Line	NR	MO	12-02-2016 21:05	Opened manually due to High Voltage	13-02-2016 07:50	10:45:00	0
89	765 kV Moga-Meerut	Line	NR	MO	13-02-2016 21:49	Opened manually due to High Voltage	15-02-2016 09:12	35:23:00	0
90	765 kV Moga-Meerut	Line	NR	MO	15-02-2016 20:55	Opened manually due to High Voltage	16-02-2016 05:52	8:57:00	0
91	765 kV Moga-Meerut	Line	NR	MO	16-02-2016 20:49	Opened manually due to High Voltage	17-02-2016 08:22	11:33:00	0
92	765 kV Moga-Meerut	Line	NR	MO	17-02-2016 21:21	Opened manually due to High Voltage	18-02-2016 09:45	12:24:00	0
93	765 kV Moga-Meerut	Line	NR	MO	20-01-2016 01:01	Opened manually due to High Voltage	20-02-2016 09:16	752:15:00	0
94	765 kV Moga-Meerut	Line	NR	MO	21-02-2016 00:54	Opened manually due to High Voltage	21-02-2016 09:18	8:24:00	0
95	765 kV Moga-Meerut	Line	NR	MO	21-02-2016 21:54	Opened manually due to High Voltage	22-02-2016 08:36	10:42:00	0
96	765 kV Moga-Meerut	Line	NR	MO	23-02-2016 01:55	Opened manually due to High Voltage	23-02-2016 05:17	3:22:00	0
97	765 kV Moga-Meerut	Line	NR	MO	24-02-2016 02:32	Opened manually due to High Voltage	24-02-2016 08:20	5:48:00	0
98	765 kV Moga-Meerut	Line	NR	MO	24-02-2016 21:35	Opened manually due to High Voltage	25-02-2016 07:05	9:30:00	0
99	765 kV Moga-Meerut	Line	NR	MO	25-02-2016 21:50	Opened manually due to High Voltage	26-02-2016 06:52	9:02:00	0
100	765 kV Moga-Meerut	Line	NR	MO	27-02-2016 02:30	Opened manually due to High Voltage	27-02-2016 10:15	7:45:00	0
101	765 kV Moga-Meerut	Line	NR	MO	28-02-2016 21:30	Opened manually due to High Voltage	29-02-2016 08:22	10:52:00	0
102	765kV Angul-Jharsuguda-I	Line	ER	TL	12-02-2016 20:15	Distance Protection Operated	01-03-2016 00:00	411:45:00	1
103	765kV Wardha-Aurangabad-IV	Line	WR	MO	06-02-2016 08:15	TO FACILITATE S/D IN AURANGABAD SOLAPUR 1	07-02-2016 08:52	24:37:00	0
104	765kV Wardha-Aurangabad-IV	Line	WR	SO	17-02-2016 14:03	CSD Commissioning	18-02-2016 07:49	17:46:00	0
105	765kV Wardha-Aurangabad-IV	Line	WR	MO	19-02-2016 17:42	Opened manually due to High Voltage	22-02-2016 07:10	61:28:00	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
106	765kV Wardha-Aurangabad-IV	Line	WR	SO	25-02-2016 09:17	L/R bushings DGA and bays AMP	25-02-2016 20:59	11:42:00	0
107	765kV Wardha-Aurangabad-IV	Line	WR	MO	29-02-2016 17:00	Opened manually due to High Voltage	01-03-2016 00:00	7:00:00	0
108	765kV Wardha-Aurangabad-III	Line	WR	MO	01-02-2016 00:00	Opened manually due to High Voltage	04-02-2016 05:29	77:29:00	0
109	765kV Wardha-Aurangabad-III	Line	WR	MO	04-02-2016 20:14	Opened manually due to High Voltage	06-02-2016 08:05	35:51:00	0
110	765kV Wardha-Aurangabad-III	Line	WR	MO	07-02-2016 16:45	Opened manually due to High Voltage	09-02-2016 09:17	40:32:00	0
111	765kV Wardha-Aurangabad-III	Line	WR	MO	09-02-2016 13:13	Opened manually due to High Voltage	11-02-2016 06:53	41:40:00	0
112	765kV Wardha-Aurangabad-III	Line	WR	MO	11-02-2016 18:06	Opened manually due to High Voltage	13-02-2016 07:03	36:57:00	0
113	765kV Wardha-Aurangabad-III	Line	WR	MO	13-02-2016 17:37	Opened manually due to High Voltage	15-02-2016 07:47	38:10:00	0
114	765kV Wardha-Aurangabad-III	Line	WR	MO	15-02-2016 17:08	Opened manually due to High Voltage	17-02-2016 13:53	44:45:00	0
115	765kV Wardha-Aurangabad-III	Line	WR	SO	19-02-2016 09:31	Illumination and Isolator realignment work	19-02-2016 19:45	10:14:00	0
116	765kV Wardha-Aurangabad-III	Line	WR	SO	24-02-2016 09:31	L/R bushings DGA and bays AMP at Aurangabad	24-02-2016 20:19	10:48:00	0
117	765kV Wardha-Aurangabad-III	Line	WR	MO	26-02-2016 22:12	Opened manually due to High Voltage	28-02-2016 07:37	33:25:00	0
118	765kV Wardha-Aurangabad-II	Line	WR	TV	12-02-2016 17:45	Tripped on Over Voltage	12-02-2016 18:47	1:02:00	1
119	765kV Wardha-Aurangabad-II	Line	WR	MO	18-02-2016 09:37	Opened manually due to High Voltage	19-02-2016 06:53	21:16:00	1
120	765kV Wardha-Aurangabad-II	Line	WR	MO	23-02-2016 18:14	Opened manually due to High Voltage	24-02-2016 06:41	12:27:00	1
121	765kV Wardha-Aurangabad-II	Line	WR	MO	25-02-2016 20:09	Opened manually due to High Voltage	27-02-2016 07:04	34:55:00	1
122	765kV Wardha-Aurangabad-I	Line	WR	MO	01-02-2016 00:00	Opened manually due to High Voltage	01-02-2016 07:04	7:04:00	0
123	765kV Wardha-Aurangabad-I	Line	WR	MO	01-02-2016 20:01	Opened manually due to High Voltage	02-02-2016 06:59	10:58:00	0
124	765kV Wardha-Aurangabad-I	Line	WR	MO	02-02-2016 20:36	Opened manually due to High Voltage	03-02-2016 07:20	10:44:00	0
125	765kV Wardha-Aurangabad-I	Line	WR	MO	03-02-2016 20:48	Opened manually due to High Voltage	05-02-2016 05:40	32:52:00	0
126	765kV Wardha-Aurangabad-I	Line	WR	MO	05-02-2016 17:38	Opened manually due to High Voltage	08-02-2016 08:13	62:35:00	0
127	765kV Wardha-Aurangabad-I	Line	WR	MO	08-02-2016 17:42	Opened manually due to High Voltage	09-02-2016 09:45	16:03:00	0

S. No.	Name of Transmission Element	Type of the element	Region Involved	Fault Type	Tripping Date and Time	Brief Reason/Relay Indication	Restoration Date and Time	Duration	Number of Cumulative tripping in the month
128	765kV Wardha-Aurangabad-I	Line	WR	MO	09-02-2016 22:05	Opened manually due to High Voltage	10-02-2016 07:01	8:56:00	0
129	765kV Wardha-Aurangabad-I	Line	WR	MO	10-02-2016 22:58	Opened manually due to High Voltage	12-02-2016 05:29	30:31:00	0
130	765kV Wardha-Aurangabad-I	Line	WR	MO	12-02-2016 17:45	Opened manually due to High Voltage	14-02-2016 07:47	38:02:00	0
131	765kV Wardha-Aurangabad-I	Line	WR	MO	14-02-2016 17:10	Opened manually due to High Voltage	16-02-2016 07:13	38:03:00	0
132	765kV Wardha-Aurangabad-I	Line	WR	MO	16-02-2016 18:23	Opened manually due to High Voltage	17-02-2016 09:31	15:08:00	0
133	765kV Wardha-Aurangabad-I	Line	WR	MO	17-02-2016 16:27	Opened manually due to High Voltage	18-02-2016 09:22	16:55:00	0
134	765kV Wardha-Aurangabad-I	Line	WR	MO	18-02-2016 17:47	Opened manually due to High Voltage	19-02-2016 08:59	15:12:00	0
135	765kV Wardha-Aurangabad-I	Line	WR	MO	21-02-2016 17:20	Opened manually due to High Voltage	24-02-2016 07:49	62:29:00	0
136	765kV Wardha-Aurangabad-I	Line	WR	TV	24-02-2016 18:01	Tripped on Over Voltage	25-02-2016 08:37	14:36:00	1
137	765kV Wardha-Aurangabad-I	Line	WR	TV	26-02-2016 18:01	Tripped on Over Voltage	26-02-2016 18:56	0:55:00	2
138	765kV Wardha-Aurangabad-I	Line	WR	MO	27-02-2016 17:50	Opened manually due to High Voltage	29-02-2016 08:09	38:19:00	2
139	765kV Vindhychal-Satna-II	Line	WR	SC	13-02-2016 11:36	Diamond formation of OPGW Earth wire in line crossing span	13-02-2016 18:23	6:47:00	0
140	765kV Vindhychal-Satna-II	Line	WR	SO	14-02-2016 11:05	to complete diamond formation of OPGW	14-02-2016 18:22	7:17:00	0
141	765kV Vindhychal-Satna-I	Line	WR	TL	05-02-2016 17:28	Distance Protection Operated	05-02-2016 18:05	0:37:00	1
142	765kV Seoni-Wardha-II	Line	WR	SO	04-02-2016 08:34	Stringing of aux bus required for TBEA spare reactor	04-02-2016 21:06	12:32:00	0
143	765kV Seoni-Wardha-II	Line	WR	SO	05-02-2016 07:24	Stringing of aux bus required for TBEA spare reactor	05-02-2016 19:06	11:42:00	0
144	765kV Seoni-Wardha-II	Line	WR	SO	06-02-2016 10:54	Stringing of aux bus required for TBEA spare reactor	06-02-2016 20:12	9:18:00	0
145	765kV Seoni-Wardha-II	Line	WR	SO	12-02-2016 09:54	To attend BPI problem	12-02-2016 19:18	9:24:00	0
146	765kV Seoni-Wardha-II	Line	WR	MO	06-02-2016 20:12	Opened manually due to High Voltage	07-02-2016 07:40	11:28:00	0
147	765kV Seoni-Wardha-I	Line	WR	SC	01-02-2016 08:14	Insulator replacement for Railways and NH crossings	02-02-2016 20:50	36:36:00	0
148	765kV Seoni-Wardha-I	Line	WR	SO	06-02-2016 09:51	Stringing of aux bus required for TBEA spare reactor	06-02-2016 19:38	9:47:00	0
149	765kV Seoni-Wardha-I	Line	WR	SO	12-02-2016 09:34	To attend BPI problem	12-02-2016 19:08	9:34:00	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
150	765kV Seoni-Bina-I	Line	WR	SO	04-02-2016 08:27	Stringing of aux bus required for TBEA spare reactor	05-02-2016 18:58	34:31:00	0
151	765kV Seoni-Bina-I	Line	WR	TL	09-02-2016 02:41	Distance Protection Operated	09-02-2016 03:02	0:21:00	1
152	765kV Seoni-Bilaspur-II	Line	WR	SC	02-02-2016 10:15	Construction of 800KV HVDC champa- Kurukshehra	02-02-2016 19:56	9:41:00	0
153	765kV Seoni-Bilaspur-II	Line	WR	SO	26-02-2016 09:00	AMP works	26-02-2016 19:02	10:02:00	0
154	765kV Satna-Gwalior-II	Line	WR	SE	12-02-2016 14:13	Hotspot	12-02-2016 16:40	2:27:00	0
155	765kV Satna-Bina-II	Line	WR	SO	04-02-2016 09:19	P63X Relay upgradation	04-02-2016 20:31	11:12:00	0
156	765kV Satna-Bina-I	Line	WR	SO	09-02-2016 10:16	P633 Relay Replacment, CSD Validation at Bina	09-02-2016 19:45	9:29:00	0
157	765kV Raigarh-PS(Kotra)-Tamnar-I	Line	WR	SO	04-02-2016 10:40	AMP works	04-02-2016 18:48	8:08:00	0
158	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-I	Line	WR	MO	01-02-2016 00:00	Opened manually due to High Voltage	02-02-2016 11:30	35:30:00	0
159	765kV Raigarh-PS(Kotra)-Raipur-PS(Durg)-I	Line	WR	MO	02-02-2016 10:46	Opened manually due to High Voltage	01-03-2016 00:00	661:14:00	0
160	765kV Pune-Sholapur	Line	WR	TV	14-02-2016 18:02	Tripped on Over Voltage	14-02-2016 18:45	0:43:00	1
161	765kV Pune-Sholapur	Line	WR	TV	23-02-2016 18:02	Tripped on Over Voltage	23-02-2016 18:38	0:36:00	2
162	765kV Jabalpur-Dharamjaigarh-II	Line	WR	MO	09-02-2016 13:59	Opened manually due to High Voltage	13-02-2016 15:49	97:50:00	0
163	765kV Jabalpur-Dharamjaigarh-I	Line	WR	MO	13-02-2016 14:21	Opened manually due to High Voltage	25-02-2016 08:34	282:13:00	0
164	765kV Jabalpur-Dharamjaigarh-I	Line	WR	SO	25-02-2016 08:35	To attend fixing of theft tower members	01-03-2016 00:00	111:25:00	0
165	765kV Indore-Vadodara	Line	WR	SO	26-02-2016 10:14	Commissioning of Spare Reactor with 765 kV Indore line	26-02-2016 17:09	6:55:00	0
166	765kV Indore-Bhopal	Line	WR	SO	05-02-2016 10:28	For intergration of spare line reactor with bhopal line reactor	06-02-2016 18:11	31:43:00	0
167	765kV Durg-Wardha-I	Line	WR	SO	13-02-2016 09:53	Jumper Tightening works	13-02-2016 19:53	10:00:00	0
168	765kV Durg-Wardha-I	Line	WR	SO	14-02-2016 09:37	Jumper Tightening Works	14-02-2016 19:38	10:01:00	0
169	765kV Durg-Wardha-I	Line	WR	TP	16-02-2016 17:45	Maloperation of Reactor WTI B phase unit	16-02-2016 19:36	1:51:00	1
170	765kV Durg-Wardha-I	Line	WR	MO	29-02-2016 01:43	Opened manually due to High Voltage	29-02-2016 10:07	8:24:00	1
171	765kV Durg-Wardha-I	Line	WR	SO	29-02-2016 10:07	LA to BPI & Bushing rectification work, Isoltor erection work, balance illumination work	29-02-2016 19:00	8:53:00	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
172	765kV Dhule-Vadodara	Line	WR	MO	01-02-2016 00:00	Opened manually due to High Voltage	01-02-2016 06:07	6:07:00	0
173	765kV Dhule-Vadodara	Line	WR	MO	01-02-2016 18:21	Opened manually due to High Voltage	02-02-2016 06:33	12:12:00	0
174	765kV Dhule-Vadodara	Line	WR	MO	02-02-2016 16:54	Opened manually due to High Voltage	03-02-2016 06:43	13:49:00	0
175	765kV Dhule-Vadodara	Line	WR	MO	03-02-2016 23:14	Opened manually due to High Voltage	04-02-2016 05:46	6:32:00	0
176	765kV Dhule-Vadodara	Line	WR	MO	04-02-2016 21:30	Opened manually due to High Voltage	05-02-2016 06:05	8:35:00	0
177	765kV Dhule-Vadodara	Line	WR	MO	05-02-2016 21:43	Opened manually due to High Voltage	06-02-2016 06:41	8:58:00	0
178	765kV Dhule-Vadodara	Line	WR	MO	06-02-2016 22:11	Opened manually due to High Voltage	07-02-2016 07:14	9:03:00	0
179	765kV Dhule-Vadodara	Line	WR	MO	07-02-2016 21:29	Opened manually due to High Voltage	08-02-2016 07:11	9:42:00	0
180	765kV Dhule-Vadodara	Line	WR	MO	08-02-2016 22:04	Opened manually due to High Voltage	09-02-2016 06:57	8:53:00	0
181	765kV Dhule-Vadodara	Line	WR	MO	09-02-2016 21:38	Opened manually due to High Voltage	10-02-2016 06:31	8:53:00	0
182	765kV Dhule-Vadodara	Line	WR	MO	10-02-2016 20:38	Opened manually due to High Voltage	11-02-2016 06:33	9:55:00	0
183	765kV Dhule-Vadodara	Line	WR	SO	11-02-2016 10:12	For first time charging of Spare Reactor at Vadodara S/S	11-02-2016 21:54	11:42:00	0
184	765kV Dhule-Vadodara	Line	WR	MO	11-02-2016 21:54	Opened manually due to High Voltage	12-02-2016 11:39	13:45:00	0
185	765kV Dhule-Vadodara	Line	WR	MO	12-02-2016 20:17	Opened manually due to High Voltage	13-02-2016 06:56	10:39:00	0
186	765kV Dhule-Vadodara	Line	WR	MO	13-02-2016 21:39	Opened manually due to High Voltage	14-02-2016 06:31	8:52:00	0
187	765kV Dhule-Vadodara	Line	WR	MO	14-02-2016 21:59	Opened manually due to High Voltage	15-02-2016 06:59	9:00:00	0
188	765kV Dhule-Vadodara	Line	WR	MO	15-02-2016 21:02	Opened manually due to High Voltage	16-02-2016 06:14	9:12:00	0
189	765kV Dhule-Vadodara	Line	WR	MO	17-02-2016 22:10	Opened manually due to High Voltage	18-02-2016 06:45	8:35:00	0
190	765kV Dhule-Vadodara	Line	WR	MO	19-02-2016 21:46	Opened manually due to High Voltage	20-02-2016 05:13	7:27:00	0
191	765kV Dhule-Vadodara	Line	WR	MO	22-02-2016 21:43	Opened manually due to High Voltage	23-02-2016 06:33	8:50:00	0
192	765kV Dhule-Vadodara	Line	WR	SE	25-02-2016 16:35	Hot spot	25-02-2016 18:28	1:53:00	0
193	765kV Dhule-Vadodara	Line	WR	MO	26-02-2016 18:13	Opened manually due to High Voltage	27-02-2016 06:44	12:31:00	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
194	765kV Dhule-Vadodara	Line	WR	MO	28-02-2016 17:39	Opened manually due to High Voltage	29-02-2016 06:37	12:58:00	0
195	765kV Bina-Jabalpur-II	Line	WR	SE	26-02-2016 14:14	Hot spot	26-02-2016 17:33	3:19:00	0
196	765kV Bina-Gwalior-III	Line	WR	SE	20-02-2016 14:17	Hotspot in line isolator	20-02-2016 18:53	4:36:00	0
197	765kV Bina-Gwalior-II	Line	WR	SO	08-02-2016 09:45	Relay Replacment	08-02-2016 19:35	9:50:00	0
198	765kV Bina-Gwalior-I	Line	WR	MO	07-02-2016 04:36	TO CHARGE 765kV GWL-JAIPUR-1	07-02-2016 07:38	3:02:00	0
199	765kV Aurangabad-Sholapur-II	Line	WR	SO	08-02-2016 11:32	Jumper Tightening works	09-02-2016 14:00	26:28:00	0
200	765kV Aurangabad-Sholapur-II	Line	WR	SO	10-02-2016 09:44	Jumper Tightening and line rectification work	10-02-2016 23:00	13:16:00	0
201	765kV Aurangabad-Sholapur-II	Line	WR	TL	28-02-2016 20:18	Distance Protection Operated	28-02-2016 20:55	0:37:00	1
202	765kV Aurangabad-Sholapur-I	Line	WR	SO	06-02-2016 08:39	Jumper Tightening works	07-02-2016 19:39	35:00:00	0
203	765kV Aurangabad-Sholapur-I	Line	WR	TL	09-02-2016 07:59	Distance Protection Operated	09-02-2016 23:46	15:47:00	1
204	765kV Aurangabad-Sholapur-I	Line	WR	SO	27-02-2016 09:21	To attend conductor bungling	27-02-2016 12:06	2:45:00	1
205	765kV Aurangabad-Sholapur-I	Line	WR	TL	29-02-2016 12:48	Distance Protection Operated	01-03-2016 00:00	11:12:00	2
206	765 kV Kotra-Champa-I	Line	WR	TP	27-02-2016 12:52	Bus-bar protection maloperated	27-02-2016 14:38	1:46:00	1
207	765 kV Durg-Champa-I	Line	WR	TP	27-02-2016 12:52	Bus-bar protection maloperated	27-02-2016 14:35	1:43:00	1
208	765kV Raichur-Kurnool-II	Line	SR	MO	08-02-2016 00:25	Opened manually due to High Voltage	08-02-2016 07:25	7:00:00	0
209	765kV Raichur-Kurnool-II	Line	SR	TV	28-02-2016 18:00	Tripped on Over Voltage	28-02-2016 19:01	1:01:00	1
210	765kV Raichur-Kurnool-II	Line	SR	TV	29-02-2016 18:02	Tripped on Over Voltage	29-02-2016 18:29	0:27:00	2
211	765kV Raichur-Kurnool-I	Line	SR	SO	01-02-2016 00:00	INSULATOR & JUMPER WORK	01-02-2016 14:47	14:47:00	0
212	765kV Raichur-Kurnool-I	Line	SR	TV	28-02-2016 18:00	Tripped on Over Voltage	28-02-2016 18:39	0:39:00	1
213	765kV Raichur-Kurnool-I	Line	SR	TV	29-02-2016 18:02	Tripped on Over Voltage	29-02-2016 18:26	0:24:00	2
214	765kV Kurnool-Thiruvalem-II	Line	SR	MO	01-02-2016 00:00	Opened manually due to High Voltage	11-02-2016 19:20	259:20:00	0
215	765kV Kurnool-Thiruvalem-I	Line	SR	MO	11-02-2016 19:56	Opened manually due to High Voltage	22-02-2016 12:39	256:43:00	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
216	765kV Kurnool-Thiruvalem-I	Line	SR	MO	23-02-2016 00:28	Opened manually due to High Voltage	28-02-2016 11:32	131:04:00	0
217	765kV Kurnool-Thiruvalem-I	Line	SR	TV	28-02-2016 18:00	Tripped on Over Voltage	29-02-2016 10:03	16:03:00	1
218	765kV Kurnool-Thiruvalem-I	Line	SR	TV	29-02-2016 18:02	Tripped on Over Voltage	01-03-2016 00:00	5:58:00	2
219	765kV Kurnool-Nellore(PS)-II	Line	SR	TV	01-02-2016 00:00	Tripped on Over Voltage	03-02-2016 09:29	57:29:00	1
220	765kV Kurnool-Nellore(PS)-I	Line	SR	MO	01-02-2016 00:00	Opened manually due to High Voltage	24-02-2016 07:08	559:08:00	0
221	765kV Kurnool-Nellore(PS)-I	Line	SR	MO	26-02-2016 20:18	Opened manually due to High Voltage	01-03-2016 00:00	75:42:00	0
400kV - IR									
222	400 kV Tala - Binaguri - IV	Line	Bhutan	MO	01-02-2016 00:00	Opened manually due to High Voltage	02-02-2016 07:52	31:52:00	0
223	400 kV Sterlite-Raigarh	Line	ER/WR	SC	06-02-2016 10:12	Stringing of 400kV, D/C Lara STPS-1-Raigarh (Kotra) TL	06-02-2016 18:55	8:43:00	0
224	400 kV Sterlite-Raigarh	Line	ER/WR	SC	26-02-2016 08:35	Stringing of 400kV, D/C Lara STPS-1-Raigarh (Kotra) TL	27-02-2016 12:51	28:16:00	0
225	400 kV Siliguri-Bongaigaon-IV	Line	ER/NER	MO	01-02-2016 00:00	Opened manually due to High Voltage	03-02-2016 17:31	65:31:00	0
226	400 kV Siliguri-Bongaigaon-III	Line	ER/NER	MO	24-02-2016 00:32	Opened manually due to High Voltage	01-03-2016 00:00	143:28:00	0
227	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	MO	01-02-2016 00:00	Opened manually due to High Voltage	01-02-2016 07:02	7:02:00	0
228	400 kV Siliguri-Bongaigaon-II	Line	ER/NER	MO	03-02-2016 21:54	Opened manually due to High Voltage	23-02-2016 18:01	476:07:00	0
229	400 kV Shujalpur-RAPP-I	Line	WR/NR	SO	23-02-2016 09:15	TO FACILITATE OUTAGE ON SUJALPUR BUS 2	24-02-2016 01:06	15:51:00	0
230	400 kV Sasaram-Allahabad	Line	ER/NR	SC	20-02-2016 08:28	For stringing (Power line crossing) of 765KV D/C Varanasi-Kanpur TL	20-02-2016 23:26	14:58:00	0
231	400 kV Sasaram-Allahabad	Line	ER/NR	SC	21-02-2016 08:36	For stringing (Power line crossing) of 765KV D/C Varanasi-Kanpur TL	21-02-2016 21:31	12:55:00	0
232	400 kV Sasaram-Allahabad	Line	ER/NR	MO	28-02-2016 09:26	For facilitating the Sd for Lilo work of 400kv Sarnath - Allahabad line at Varanasi PG	29-02-2016 21:37	36:11:00	0
233	400 kV Ranchi-Sipat-II	Line	ER/WR	SE	16-02-2016 14:53	To attend problem in L/R at sipat end.	16-02-2016 16:43	1:50:00	0
234	400 kV Ranchi-Sipat-II	Line	ER/WR	SO	22-02-2016 10:54	AMP works	23-02-2016 20:03	33:09:00	0
235	400 kV Ranchi-Sipat-I	Line	ER/WR	SO	24-02-2016 09:10	AMP works	24-02-2016 20:12	11:02:00	0
236	400 kV Ranchi-Sipat-I	Line	ER/WR	SO	25-02-2016 08:19	AMP works	25-02-2016 19:54	11:35:00	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
237	400 kV Patna-Balia-II	Line	ER/NR	SE	01-02-2016 00:00	Hand tripped due to heavy sparking was observed in B-phase line isolator at Balia end	01-02-2016 01:00	1:00:00	0
238	400 kV Patna-Balia-II	Line	ER/NR	SO	09-02-2016 18:41	To take line reactor into service	09-02-2016 19:30	0:49:00	0
239	400 kV Patna-Balia-I	Line	ER/NR	SE	01-02-2016 13:00	To attend hot spot	01-02-2016 16:59	3:59:00	0
240	400 kV Patna-Balia-I	Line	ER/NR	SO	09-02-2016 15:16	To take line reactor into service	09-02-2016 18:17	3:01:00	0
241	400 kV Patna-Balia-I	Line	ER/NR	SE	12-02-2016 16:39	distance protection relay burnt at Balia end	12-02-2016 20:36	3:57:00	0
242	400 kV Kolhapur-Kudgi-II	Line	WR/SR	SO	22-02-2016 06:52	JUMPER TIGHTENING WORKS	22-02-2016 19:09	12:17:00	0
243	400 kV Kolhapur-Kudgi-I	Line	WR/SR	SO	21-02-2016 06:15	JUMPER TIGHTENING WORKS	21-02-2016 19:25	13:10:00	0
244	400 kV Jharsuguda-Raigarh-I	Line	ER/WR	SC	06-02-2016 11:00	Stringing of 400kV, D/C Lara STPS-1-Raigarh (Kotra) TL	06-02-2016 18:59	7:59:00	0
245	400 kV Jharsuguda-Raigarh-I	Line	ER/WR	SC	26-02-2016 08:40	Stringing of 400kV, D/C Lara STPS-1-Raigarh (Kotra) TL	27-02-2016 12:36	27:56:00	0
246	400 kV Biharshariff-Balia-II	Line	ER/NR	TL	04-02-2016 16:13	Distance Protection Operated	04-02-2016 20:47	4:34:00	1
247	400 kV Biharshariff-Balia-I	Line	ER/NR	SO	15-02-2016 11:05	For replacement of damaged pilot string insulators	15-02-2016 14:59	3:54:00	0
248	400 kV Biharshariff-Balia-I	Line	ER/NR	TL	10-02-2016 07:26	Distance Protection Operated	10-02-2016 07:46	0:20:00	1
249	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	02-02-2016 07:27	Replacement of all procelain disc insulator strings	02-02-2016 19:43	12:16:00	0
250	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	03-02-2016 07:32	Replacement of all procelain disc insulator strings	03-02-2016 18:20	10:48:00	0
251	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	04-02-2016 07:24	Replacement of all procelain disc insulator strings	04-02-2016 18:22	10:58:00	0
252	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	05-02-2016 07:20	Replacement of all procelain disc insulator strings	05-02-2016 18:07	10:47:00	0
253	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	06-02-2016 07:18	Replacement of all procelain disc insulator strings	06-02-2016 18:20	11:02:00	0
254	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	07-02-2016 07:14	Replacement of all procelain disc insulator strings	07-02-2016 18:28	11:14:00	0
255	400 kV Bhadrawati-Ramagundam-I	Line	WR/SR	SO	08-02-2016 07:52	Replacement of all procelain disc insulator strings	08-02-2016 17:59	10:07:00	0
220 kV - IR									
256	220 kV Talangde-Chikkodi	Line	WR/SR	TP	25-02-2016 17:59	TRIPPED AT TALANGADE ONLY	25-02-2016 18:52	0:53:00	1
257	220 kV Talangde-Chikkodi	Line	WR/SR	TP	26-02-2016 19:22	3-PHASE TRIP AT TALANGADE	26-02-2016 20:28	1:06:00	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
258	220 kV Mehgaon-Auraiya	Line	WR/NR	SO	10-02-2016 11:08	AMP works	10-02-2016 18:35	7:27:00	0
259	220 kV Malanpur-Auraiya	Line	WR/NR	SO	09-02-2016 09:58	AMP works	09-02-2016 19:16	9:18:00	0
260	220 kV Malanpur-Auraiya	Line	WR/NR	SO	26-02-2016 19:00	OIL SAMPLING WORK AT AURAIYA END	26-02-2016 19:30	0:30:00	0
261	220 kV Chukha - Birpara - II	Line	Bhutan	SO	27-02-2016 08:47	For replacement of flashed-over/ broken insulator	01-03-2016 00:00	63:13:00	0
262	220 kV Chukha - Birpara - I	Line	Bhutan	SO	12-02-2016 08:03	AMP works	15-02-2016 17:40	81:37:00	0
263	220 kV Chukha - Birpara - I	Line	Bhutan	SO	12-02-2016 08:03	AMP works	21-02-2016 17:33	225:30:00	0
264	220 kV Badod-Modak	Line	WR/NR	TL	03-02-2016 07:24	Distance Protection Operated	03-02-2016 10:27	3:03:00	1
265	220 kV Badod-Kota	Line	WR/NR	TL	19-02-2016 19:48	Distance Protection Operated	19-02-2016 20:23	0:35:00	1
266	220 kV Badod-Kota	Line	WR/NR	SO	24-02-2016 10:25	TO FACILITATE OUTAGE ON SAKATPURA BUS OUTAGE	24-02-2016 10:30	0:05:00	1
267	220 kV Badod-Kota	Line	WR/NR	TL	25-02-2016 06:56	Distance Protection Operated	25-02-2016 07:41	0:45:00	2
268	220 kV Badod-Kota	Line	WR/NR	TL	25-02-2016 23:51	Distance Protection Operated	26-02-2016 00:21	0:30:00	3
269	220 kV Badod-Kota	Line	WR/NR	TL	26-02-2016 02:40	Distance Protection Operated	26-02-2016 03:06	0:26:00	4
765 kV Reactors & ICTs									
270	B/R-I at Satna	Bus Reactor	WR	SO	05-02-2016 09:55	P63X Relay upgradation	05-02-2016 23:48	13:53:00	0
271	B/R-I at Aurangabad	Bus Reactor	WR	SO	06-02-2016 10:27	AMP works	06-02-2016 18:12	7:45:00	0
272	B/R-II at Bina	Bus Reactor	WR	SO	12-02-2016 09:42	P63X Relay Replacement at Bina	12-02-2016 20:56	11:14:00	0
273	B/R-I at Bina	Bus Reactor	WR	SO	12-02-2016 09:43	P63X Relay Replacement at Bina	12-02-2016 20:57	11:14:00	0
274	B/R-II at Bina	Bus Reactor	WR	SO	19-02-2016 09:31	AMP works	19-02-2016 18:43	9:12:00	0
275	B/R-I at Jharsuguda	Bus Reactor	ER	SO	19-02-2016 10:01	Fire fighting work	19-02-2016 19:17	9:16:00	0
276	B/R-I at Vindhyachal PS	Bus Reactor	WR	SE	19-02-2016 15:30	Oil Leakage	19-02-2016 17:05	1:35:00	0
277	B/R-I at Jabalpur	Bus Reactor	WR	SO	23-02-2016 10:20	AMP works	23-02-2016 17:34	7:14:00	0
278	B/R-I at Wardha	Bus Reactor	WR	SO	24-02-2016 10:26	LA to BPI & Bushing rectification work, Isoltor erection work	24-02-2016 19:09	8:43:00	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
279	B/R-II at Jharsuguda	Bus Reactor	ER	SO	25-02-2016 09:40	For fire fighting works	25-02-2016 20:32	10:52:00	0
280	765/400 kV ICT-I at Gwalior	ICT	WR	SO	01-02-2016 10:10	AMP works	01-02-2016 19:31	9:21:00	0
281	765/400 kV ICT-III at Tamnar-PS	ICT	WR	SO	02-02-2016 11:05	AMP works	02-02-2016 19:25	8:20:00	0
282	765/400 kV ICT-II at Gwalior	ICT	WR	SO	02-02-2016 12:14	AMP works	02-02-2016 19:37	7:23:00	0
283	765/400 kV ICT-I at Jharsuguda	ICT	ER	SO	04-02-2016 09:35	For attending punch point	04-02-2016 18:53	9:18:00	0
284	765/400 kV ICT-I at Pune	ICT	WR	SO	04-02-2016 09:24	AMP works	04-02-2016 17:26	8:02:00	0
285	765/400 kV ICT-II at Pune	ICT	WR	SO	05-02-2016 09:14	AMP works	05-02-2016 16:12	6:58:00	0
286	765/400 kV ICT-II at Aurangabad(PG)	ICT	WR	SO	05-02-2016 10:48	To take out R-ph unit for maintenance works at Aurangabad	05-02-2016 20:04	9:16:00	0
287	765/400 kV ICT-II at Tamnar-PS	ICT	WR	SO	06-02-2016 10:42	CSD Commissioning	06-02-2016 18:09	7:27:00	0
288	765/400 kV ICT-II at Unnao	ICT	NR	TP	08-02-2016 07:07	Jerk during charging attempt of Anpara-Unnao line	08-02-2016 09:09	2:02:00	1
289	765/400 kV ICT-I at Ranchi New	ICT	ER	SO	08-02-2016 09:42	Isolator Checking from NTAMC	08-02-2016 19:04	9:22:00	0
290	765/400 kV ICT-I at Satna	ICT	WR	SO	08-02-2016 10:06	AMP works	08-02-2016 21:57	11:51:00	0
291	765/400 kV ICT-I at Tamnar-PS	ICT	WR	SO	08-02-2016 10:53	CSD Commissioning	08-02-2016 17:19	6:26:00	0
292	765/400 kV ICT-III at Jhatikara	ICT	NR	TP	08-02-2016 07:42	Maloperation	08-02-2016 16:36	8:54:00	1
293	765/400 kV ICT-I at Ranchi New	ICT	ER	SO	09-02-2016 09:26	Isolator Checking from NTAMC	09-02-2016 18:25	8:59:00	0
294	765/400 kV ICT-II at Satna	ICT	WR	SO	09-02-2016 10:20	P63X Relay upgradation	09-02-2016 23:28	13:08:00	0
295	765/400 kV ICT-I at Jhatikara	ICT	NR	SO	09-02-2016 12:37	Insulator cleaning	09-02-2016 18:43	6:06:00	0
296	765/400 kV ICT-III at Tamnar-PS	ICT	WR	SO	09-02-2016 12:16	CSD Commissioning	09-02-2016 18:47	6:31:00	0
297	765/400 kV ICT-I at Ranchi New	ICT	ER	SO	10-02-2016 09:24	Isolator Checking from NTAMC	10-02-2016 18:47	9:23:00	0
298	765/400 kV ICT-I at Ranchi New	ICT	ER	SO	11-02-2016 09:26	Isolator Checking from NTAMC	11-02-2016 18:34	9:08:00	0
299	765/400 kV ICT-II at Bina	ICT	WR	SO	11-02-2016 09:40	P63X Relay Replacement, 400kV CSD Commissioning	11-02-2016 23:46	14:06:00	0
300	765/400 kV ICT-I at Ranchi New	ICT	ER	SO	12-02-2016 09:07	Isolator Checking from NTAMC	12-02-2016 19:00	9:53:00	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
301	765/400 kV ICT-IV at Angul	ICT	ER	SO	12-02-2016 09:30	AMP works	12-02-2016 17:54	8:24:00	0
302	765/400 kV ICT-I at Sholapur-PG	ICT	WR	SO	13-02-2016 08:42	AMP works	13-02-2016 18:40	9:58:00	0
303	765/400 kV ICT-II at Ranchi New	ICT	ER	SO	13-02-2016 08:52	Isolator Checking from NTAMC	13-02-2016 18:22	9:30:00	0
304	765/400 kV ICT-II at Sholapur-PG	ICT	WR	TP	13-02-2016 15:04	WTI high alarm maloperation	13-02-2016 15:40	0:36:00	1
305	765/400 kV ICT-II at Bilaspur	ICT	WR	SO	15-02-2016 09:28	for taking Rph in service and B-ph out	15-02-2016 17:42	8:14:00	0
306	765/400 kV ICT-II at Ranchi New	ICT	ER	SO	15-02-2016 09:48	Isolator Checking from NTAMC	15-02-2016 18:45	8:57:00	0
307	765/400 kV ICT-II at Ranchi New	ICT	ER	SO	16-02-2016 12:40	Isolator Checking from NTAMC	16-02-2016 18:40	6:00:00	0
308	765/400 kV ICT-II at Ranchi New	ICT	ER	SO	17-02-2016 09:15	Isolator Checking from NTAMC	17-02-2016 18:29	9:14:00	0
309	765/220 kV ICT-II at Lalitpur	ICT	NR	SE	17-02-2016 11:44	Heavy oil leakage	19-02-2016 12:33	48:49:00	0
310	765/400 kV ICT-I at Bina	ICT	WR	SO	18-02-2016 09:44	P63X Relay Replacment	18-02-2016 19:01	9:17:00	0
311	765/400 kV ICT-II at Jharsuguda	ICT	ER	SE	18-02-2016 16:30	Rectification of broken earth wire	18-02-2016 17:24	0:54:00	0
312	765/400 kV ICT-I at Tamnar-PS	ICT	WR	SO	20-02-2016 10:25	CSD Commissioning	20-02-2016 16:18	5:53:00	0
313	765/400 kV ICT-I at Bilaspur	ICT	WR	SO	22-02-2016 08:32	AMP works	22-02-2016 19:12	10:40:00	0
314	765/400 kV ICT-II at Tamnar-PS	ICT	WR	SO	22-02-2016 09:55	CSD Commissioning	22-02-2016 16:05	6:10:00	0
315	765/400 kV ICT-III at Tamnar-PS	ICT	WR	SO	23-02-2016 10:23	CSD Commissioning	23-02-2016 16:35	6:12:00	0
316	765/400 kV ICT-I at Anpara C	ICT	NR	SO	24-02-2016 12:43	AMP works	01-03-2016 00:00	131:17:00	0
317	765/400 kV ICT-II at Bina	ICT	WR	SO	26-02-2016 09:20	AMP works	26-02-2016 19:59	10:39:00	0
318	765/400 kV ICT-I at Jabalpur-PS	ICT	WR	SO	27-02-2016 09:17	AMP works	27-02-2016 17:57	8:40:00	0

TL TL= Tripping due to Line Fault

Total Number of 765 kV lines 90

TS TS= Tripping due to S/S Fault

Total Number of 400 kV lines 35

MO MO= Opened due to system constraints

Total Number of 220 kV lines 15

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
TV	TV= Tripped on Overvoltage								
SC	SC= Planned Shutdown for construction activities								
SO	SO= Planned Shutdown for O&M activities								
SE	SE= Emergency Shutdown								
TP	TP= Protection Maloperation								
ME	ME= Miscellaneous outage								
					Total Number of HVDC links 18 Total Number of 765 kV ICTs 110 Total Number of 765 kV B/R 57 Grand Total 325				



POWER SYSTEM OPERATION CORPORATION LIMITED

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

NATIONAL LOAD DESPATCH CENTRE – राष्ट्रीय भार प्रेषण केन्द्र

POWERGRID, B-9, Qutab Institutional Area,

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