

पावर सिस्टम ऑपरेशन कॉरपोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)



पंजीकृत एवं केन्द्रीय कार्यालय: बी-9, प्रथम तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016
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संदर्भ संख्या:-POSOCO/NLDC/GM/ 727

दिनांक: 25.02.2013

सेवा में,

वितरण सूची के अनुसार

विषय:- निष्पादन रिपोर्ट - जनवरी 2013

महोदय,

आई०ई०जी०सी०-2010 के प्रावधान के अनुसार, - जनवरी 2013 माह की अखिल भारतीय प्रणाली की निष्पादन रिपोर्ट

धन्यवाद

भवदीय



(अवधेश मणि)

महाप्रबंधक

(रा०भा०प्रे०के०)

संलग्नक: मासिक प्रणाली रिपोर्ट

वितरण सूची

Distribution List

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General Manager, WRLDC, F-3, MIDC Area, Andheri (East), Mumbai-400093
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General Manager, NRLDC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
11. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009
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POWER SYSTEM OPERATION CORPORATION LTD
NATIONAL LOAD DESPATCH CENTRE



OPERATIONAL PERFORMANCE REPORT FOR THE
MONTH OF JANUARY 2013

CONTENTS

1. SUMMARY OF REPORT FOR THE MONTH OF JANUARY 2013
2. REGION WISE INSTALLED CAPACITY
3. PEAK DEMAND MET AT NATIONAL LEVEL
4. ENERGY CONSUMPTION AT NATIONAL LEVEL
5. FREQUENCY PROFILE
6. HYDRO GENERATION AT NATIONAL LEVEL
7. WIND GENERATION AT NATIONAL LEVEL
8. PEAK DEMAND & ENERGY MET AT REGIONAL LEVEL
9. SCHEDULE & DRAWAL AT REGIONAL LEVEL
10. INTER-REGIONAL EXCHANGES
11. BILATERAL SHORT-TERM OPEN ACCESS & UI DETAILS
12. POWER MARKET INFORMATION
13. RENEWABLE ENERGY CERTIFICATE MECHANISM
14. IMPORTANT EVENTS/DISTURBANCES
15. IMPORTANT ELEMENTS COMMISSIONED
16. VOLTAGE PROFILE

SUMMARY OF REPORT FOR THE MONTH OF JANUARY 2013

- During the month of January 2013, the overall system was running normal to the large extent. The maximum of all India peak demand met was 116188 MW (on 11 -01-2013) which is 4.44% more as compared to last year January month demand (111246 MW) and 0.04% less as compared to December 2012 demand(116239 MW).
- For 80.95% of time the NEW grid frequency was in the IEGC band (49.7 – 50.2 Hz) against 84.1% of the time in the last month (December 2012). For SR Grid, the frequency remained within the IEGC band for 91.41 % of the time against 93.4 % of the time in the last month (December 2012).
- All India energy consumption was 78029 MU at the average of 2517 MU/day which is 1.9% more than that of last month (December 2012) average energy consumption (76562MUs, Average 2470 MU/day) and 7.0% more than the last year January month average energy consumption (72889MU, Average 2351 MU/day).
- There was around 11% decrement in average all India Hydro generation compared to last year & 2.6% decrement compared to last month.
- Regarding wind generation, there was around 22% decrement in average all India wind generation compared to last month. January 2013 average wind generation was 35MU/day against 45 MU/day in December 2012.

6. ALL INDIA REGIONWISE GENERATING INSTALLED CAPACITY (MW) OF POWER UTILITIES INCLUDING ALLOCATED SHARES IN JOINT AND CENTRAL SECTOR UTILITIES

(As on 31-01-13)

SL. NO.	REGION	THERMAL			TOTAL	Nuclear	HYDRO (Renewable)	R.E.S.@ (MNRE)	TOTAL
		COAL	GAS	DSL					
1	Northern	31623.50	4671.26	12.99	36307.75	1620.00	15467.75	4623.24	58018.74
2	Western	43537.00	8254.81	17.48	51809.29	1840.00	7447.50	8450.04	69546.83
3	Southern	23782.50	4962.78	939.32	29684.60	1320.00	11353.03	12096.78	54454.41
4	Eastern	22607.88	190.00	17.20	22815.08	0.00	3948.12	436.71	27199.91
5	N. Eastern	60.00	824.20	142.74	1026.94	0.00	1200.00	243.28	2470.22
6	Islands	0.00	0.00	70.02	70.02	0.00	0.00	6.10	76.12
7	All India	121610.88	18903.05	1199.75	141713.68	4780.00	39416.40	25856.14	211766.22

Source-CEA Website

PEAK DEMAND MET AT NATIONAL LEVEL

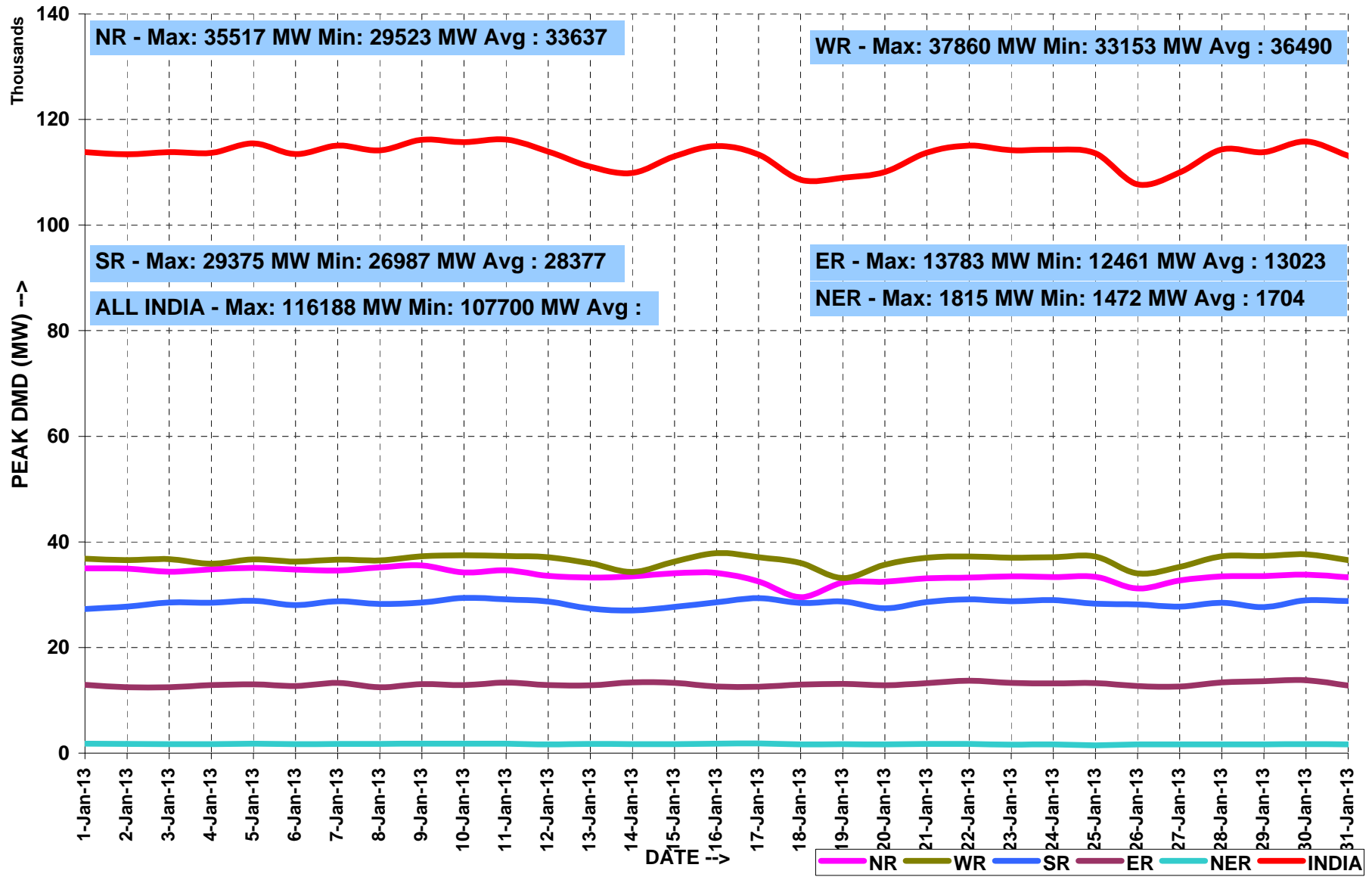
MONTH:- JANUARY 2013

All figures in MW

Date	NR	WR	SR	ER	NER	TOTAL
1/1/2013	34991	36826	27275	12943	1781	113816
1/2/2013	34923	36557	27751	12465	1720	113416
1/3/2013	34354	36722	28538	12492	1699	113805
1/4/2013	34785	35875	28464	12875	1690	113689
1/5/2013	35100	36691	28865	13020	1775	115451
1/6/2013	34756	36285	28020	12700	1698	113459
1/7/2013	34581	36642	28759	13305	1754	115041
1/8/2013	35166	36501	28260	12461	1751	114139
1/9/2013	35517	37280	28524	13054	1776	116151
1/10/2013	34230	37447	29375	12864	1779	115695
1/11/2013	34608	37329	29124	13339	1788	116188
1/12/2013	33549	37078	28711	12901	1646	113885
1/13/2013	33224	35929	27359	12839	1736	111087
1/14/2013	33471	34289	26987	13406	1715	109868
1/15/2013	34087	36263	27681	13303	1718	113052
1/16/2013	34137	37860	28571	12626	1779	114973
1/17/2013	32533	37084	29336	12568	1815	113336
1/18/2013	29523	35998	28441	12965	1639	108566
1/19/2013	32290	33153	28711	13097	1715	108966
1/20/2013	32461	35670	27423	12846	1660	110060
1/21/2013	33098	37023	28619	13242	1761	113743
1/22/2013	33229	37249	29106	13690	1761	115035
1/23/2013	33468	37023	28754	13317	1617	114179
1/24/2013	33350	37103	28977	13196	1639	114265
1/25/2013	33370	37216	28283	13245	1472	113586
1/26/2013	31197	34021	28135	12704	1643	107700
1/27/2013	32682	35246	27754	12605	1659	109946
1/28/2013	33457	37294	28484	13398	1665	114298
1/29/2013	33542	37329	27644	13642	1652	113809
1/30/2013	33786	37645	28927	13783	1675	115816
1/31/2013	33296	36556	28819	12807	1631	113109
MAXIMUM	35517	37860	29375	13783	1815	116188
MINIMUM	29523	33153	26987	12461	1472	107700
AVERAGE	33637	36490	28377	13023	1704	113230
All Time Max.	38263	40699	31714	14976	1845	119089
Date	15.06.12	20.10.12	30.08.12	01.10.12	31.12.12	30.05.12

Note: The above figures corresponds to value at 1900 Hrs

PEAK DEMANDS MET DURING THE MONTH OF JANUARY' 2013

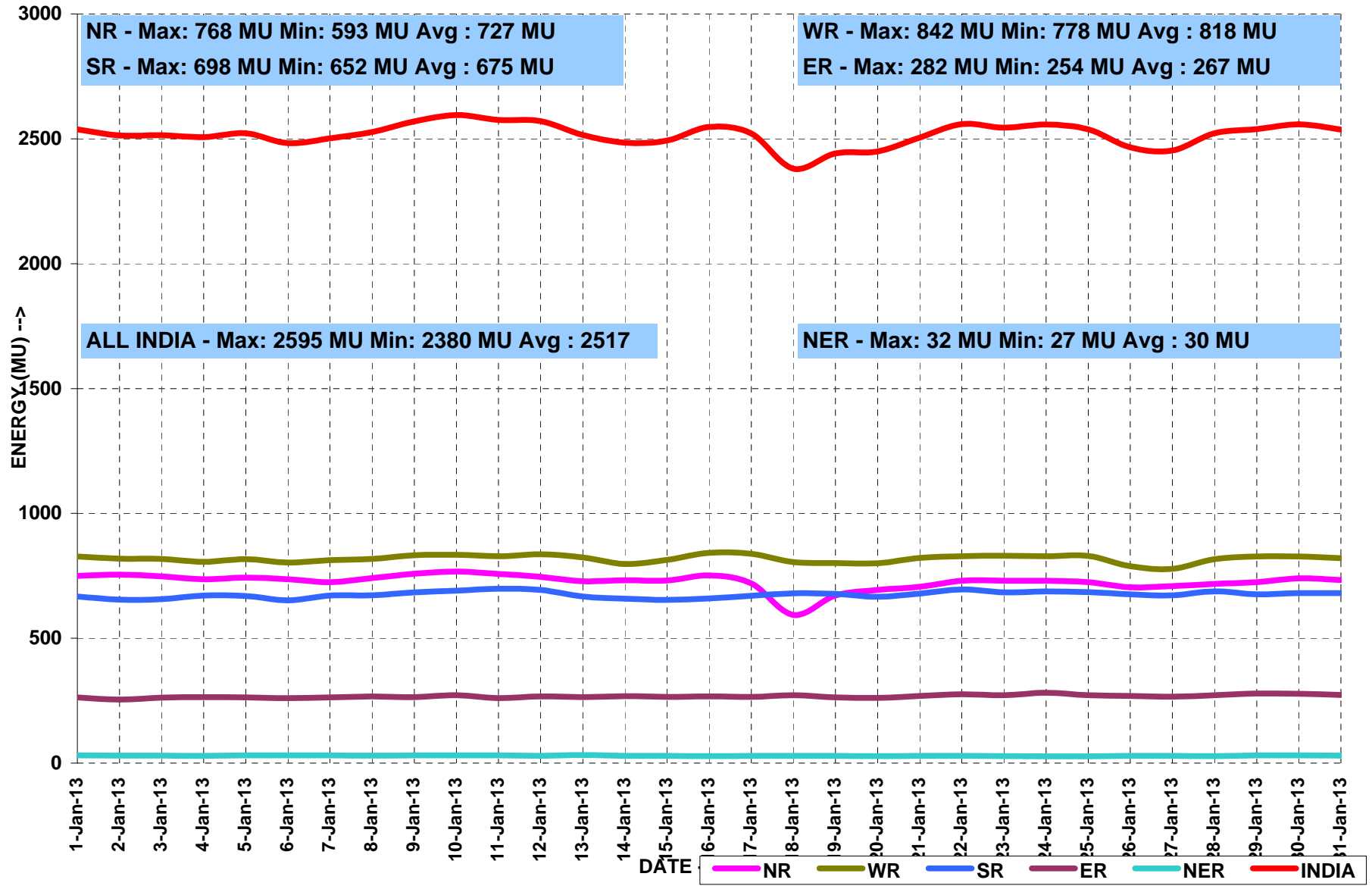


ENERGY MET AT NATIONAL LEVEL**MONTH:- JANUARY 2013**

All figures in MU

Date	NR	WR	SR	ER	NER	TOTAL
1/1/2013	749	827	667	263	31	2538
1/2/2013	755	819	655	254	31	2513
1/3/2013	748	818	657	262	30	2514
1/4/2013	737	806	671	264	30	2507
1/5/2013	743	816	669	263	31	2522
1/6/2013	736	803	652	260	31	2482
1/7/2013	725	813	671	263	31	2502
1/8/2013	741	817	672	267	30	2527
1/9/2013	759	832	684	264	31	2570
1/10/2013	768	834	691	272	31	2595
1/11/2013	757	828	698	260	32	2575
1/12/2013	746	836	693	267	29	2571
1/13/2013	729	824	667	264	32	2515
1/14/2013	732	797	658	268	29	2484
1/15/2013	731	814	654	265	29	2494
1/16/2013	752	842	659	267	28	2548
1/17/2013	720	838	670	265	29	2521
1/18/2013	593	806	680	272	29	2380
1/19/2013	671	801	678	263	29	2442
1/20/2013	694	801	666	262	28	2450
1/21/2013	706	822	679	269	29	2505
1/22/2013	731	828	695	276	29	2559
1/23/2013	730	831	684	272	28	2544
1/24/2013	731	829	688	282	28	2557
1/25/2013	724	829	685	272	27	2538
1/26/2013	704	789	676	269	29	2466
1/27/2013	709	778	672	266	29	2454
1/28/2013	718	817	688	272	28	2522
1/29/2013	725	828	676	279	31	2538
1/30/2013	740	827	681	278	31	2558
1/31/2013	733	821	681	273	30	2537
TOTAL	22533	25370	20917	8291	919	78029
MAXIMUM	768	842	698	282	32	2595
MINIMUM	593	778	652	254	27	2380
AVERAGE	727	818	675	267	30	2517
All Time Max.	937	884	720	321	34	2761
Date	23.06.12	22.10.12	30.05.12	30.09.12	05.09.12	30.05.12

ENERGY MET DURING THE MONTH OF JANUARY' 2013

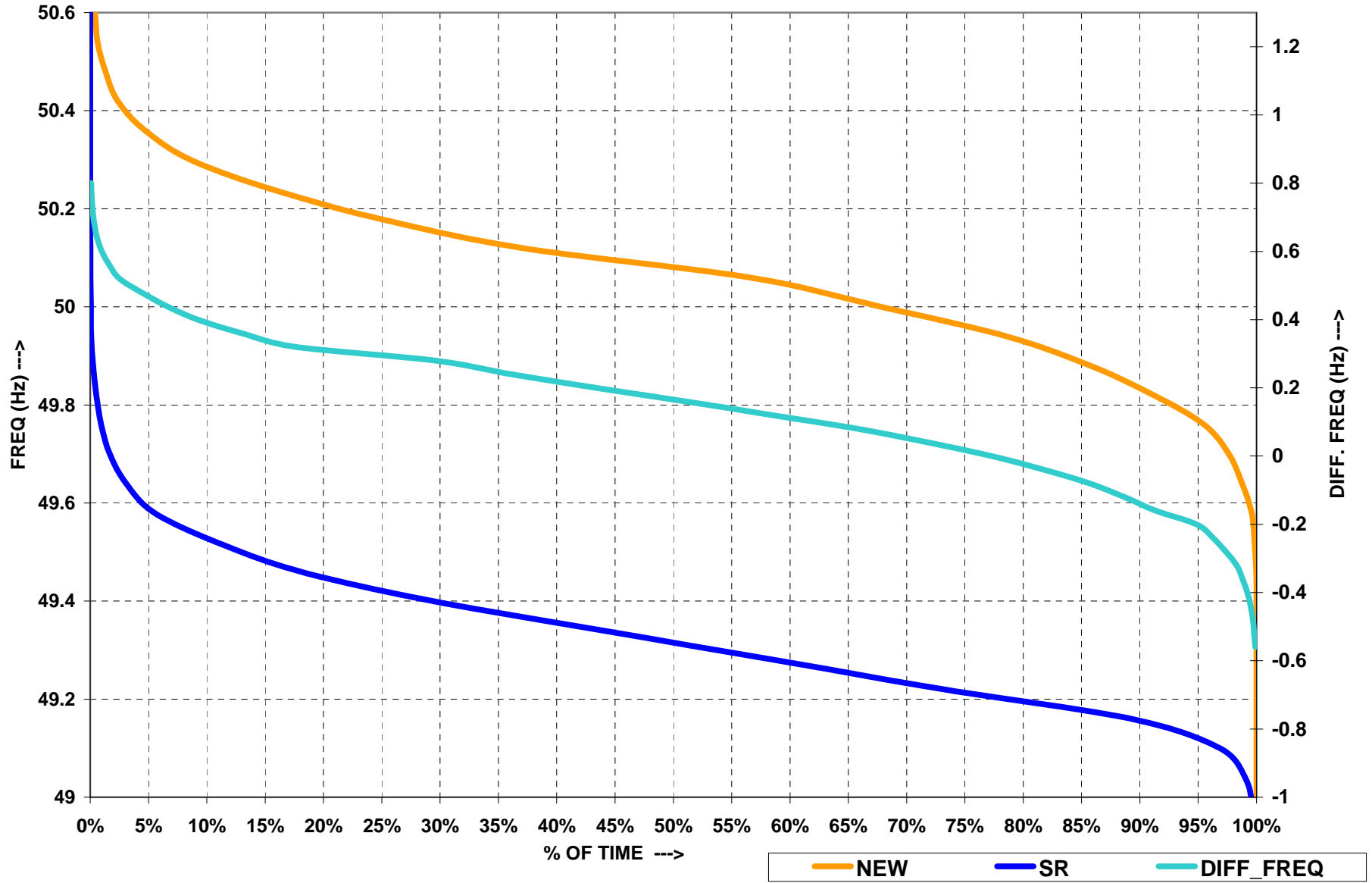


FREQUENCY PROFILE FOR THE MONTH OF JANUARY 2013

SR GRID									
FREQUENCY PROFILE		< 48.5	48.5 - 49.5	< 49.5	49.5 - 50.2	>50.2	Max. Freq	Min. Freq	Avg. Freq
% TIME	Apr-12	0.00	7.79	7.79	91.28	0.93	50.66	48.66	49.69
	May-12	0.00	5.61	5.61	94.01	0.38	50.63	48.81	49.7
	Jun-12	0.00	7.83	7.83	91.03	1.14	50.79	48.86	49.68
	Jul-12	0.00	0.00	6.95	92.18	0.87	50.61	48.81	49.69
	Aug-12	0.00	3.17	3.17	95.57	1.26	50.55	48.86	49.75
	Sep-12 (till 16 sep)	0.00	1.68	1.68	95.88	2.44	50.58	49.12	49.81
FREQUENCY PROFILE		<49.0	49.0-49.7	<49.7	49.7-50.2	>50.2	Max. Freq	Min. Freq	Avg. Freq
% TIME	Sep-12 (17 Sep onwards)	0.00	0.00	18.37	81.43	0.2	50.51	49.12	49.79
	Oct-12	0.00	8.26	8.26	89.38	2.36	50.73	49.19	49.86
	Nov-12	0.00	0.00	4.16	91.85	3.99	50.69	49.15	49.91
	Dec-12	0.00	3.68	3.68	93.4	2.92	50.87	49.28	49.9
	Jan-13	0.00	0.00	3.78	91.41	4.81	50.87	49.24	49.94

NEW GRID									
FREQUENCY PROFILE		< 48.5	48.5 - 49.5	< 49.5	49.5 - 50.2	>50.2	Max. Freq	Min. Freq	Avg. Freq
% TIME	Apr-12	0.00	2.38	2.38	93.68	3.94	50.66	49.08	49.9
	May-12	0.00	10.82	10.82	87.82	1.36	50.75	48.82	49.8
	Jun-12	0.00	19.95	19.95	78.66	1.39	50.68	48.75	49.7
	Jul-12	0.00	24.38	24.38	73.59	2.03	51.21	49.79	49.68
	Aug-12	0.00	1.57	1.57	89.72	8.71	50.65	48.82	49.95
	Sep-12 (till 16 sep)	0.00	0.60	0.60	83.73	15.67	50.65	48.96	50.02
FREQUENCY PROFILE		<49.0	49.0-49.7	<49.7	49.7-50.2	>50.2	Max. Freq	Min. Freq	Avg. Freq
% TIME	Sep-12 (17 Sep onwards)	0.00	3.22	3.22	84.09	12.69	50.65	48.96	50.03
	Oct-12	0.00	3.33	3.33	90.39	6.28	50.61	49.37	49.98
	Nov-12	0.00	0.05	1.79	85.83	12.38	50.63	49.33	50.02
	Dec-12	0.00	4.39	4.39	84.1	11.51	50.63	49.25	50
	Jan-13	0.00	4.63	4.63	80.95	14.42	50.78	49.3	50.01

FREQUENCY DURATION CURVES FOR JANUARY' 2013



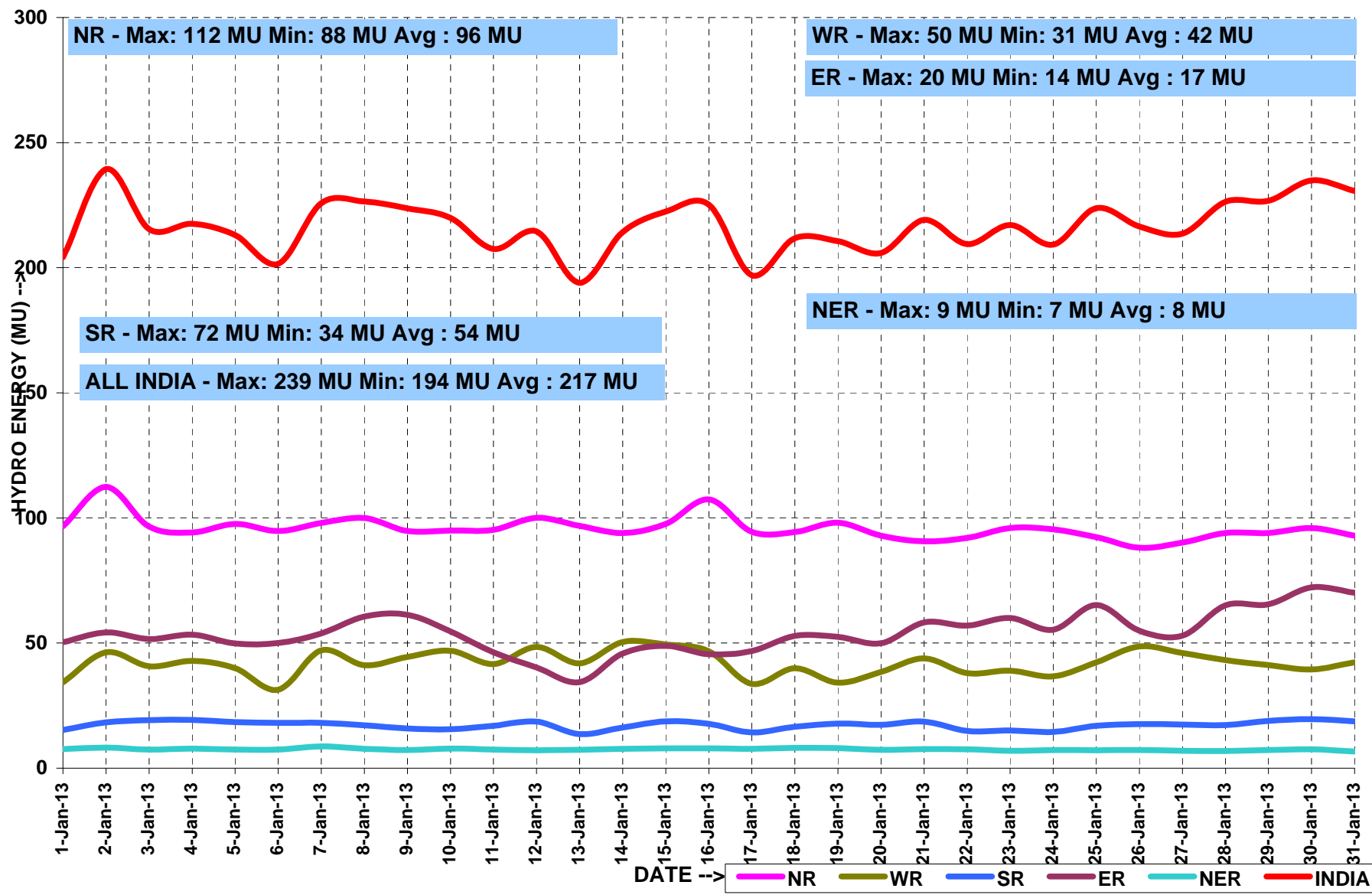
HYDRO GENERATION AT NATIONAL LEVEL

MONTH:- JANUARY 2013

All figures in MU

Date	NR	WR	SR	ER	NER	TOTAL
1/1/2013	97	34	50	15	8	204
1/2/2013	112	46	54	18	8	239
1/3/2013	97	41	52	19	7	215
1/4/2013	94	43	53	19	8	218
1/5/2013	98	40	50	18	7	213
1/6/2013	95	31	50	18	7	202
1/7/2013	98	47	54	18	9	226
1/8/2013	100	41	61	17	8	227
1/9/2013	95	45	61	16	7	224
1/10/2013	95	47	55	16	8	220
1/11/2013	95	42	46	17	7	208
1/12/2013	100	49	40	19	7	215
1/13/2013	97	42	34	14	7	194
1/14/2013	94	50	46	16	8	214
1/15/2013	98	49	49	19	8	223
1/16/2013	107	47	46	18	8	225
1/17/2013	95	34	47	14	8	197
1/18/2013	94	40	53	17	8	212
1/19/2013	98	34	53	18	8	211
1/20/2013	93	39	50	17	7	206
1/21/2013	91	44	58	19	8	219
1/22/2013	92	38	57	15	8	209
1/23/2013	96	39	60	15	7	217
1/24/2013	96	37	55	15	7	209
1/25/2013	92	42	65	17	7	224
1/26/2013	88	49	55	18	7	217
1/27/2013	90	46	53	17	7	214
1/28/2013	94	43	65	17	7	226
1/29/2013	94	41	66	19	7	227
1/30/2013	96	40	72	20	8	235
1/31/2013	93	42	70	19	7	231
TOTAL	2973	1301	1680	532	233	6718
MAXIMUM	112	50	72	20	9	239
MINIMUM	88	31	34	14	7	194
AVERAGE	96	42	54	17	8	217
All Time High	304	142	194	88	27	677
Date	01.09.12	29.09.11	15.08.07	12.09.12	14.09.10	13.09.11

HYDRO ENERGY DURING THE MONTH OF JANUARY' 2013



WIND GENERATION AT NATIONAL LEVEL

MONTH:- JANUARY 2013

All figures in MU

Date	NR	WR	SR	ER	NER	TOTAL
1/1/2013	0.9	13.1	13.2	...	...	27.2
1/2/2013	2.4	14.6	9.5	...	...	26.5
1/3/2013	1.0	7.6	3.4	...	...	12.0
1/4/2013	3.6	7.7	4.5	...	...	15.8
1/5/2013	4.2	12.0	9.4	...	...	25.6
1/6/2013	3.4	12.9	9.3	...	...	25.6
1/7/2013	3.0	17.8	10.6	...	...	31.4
1/8/2013	2.4	22.6	9.2	...	...	34.2
1/9/2013	1.1	14.7	13.4	...	...	29.2
1/10/2013	2.9	13.6	14.0	...	...	30.5
1/11/2013	3.3	7.9	20.8	...	...	32.0
1/12/2013	17.6	9.0	16.2	...	...	42.8
1/13/2013	4.6	7.3	24.6	...	...	36.5
1/14/2013	3.1	6.6	21.8	...	...	31.5
1/15/2013	1.6	5.3	26.0	...	...	32.9
1/16/2013	2.9	5.8	30.8	...	...	39.5
1/17/2013	7.1	15.9	21.8	...	...	44.8
1/18/2013	8.9	16.1	13.3	...	...	38.3
1/19/2013	3.4	8.7	12.4	...	...	24.5
1/20/2013	2.4	23.5	12.8	...	...	38.7
1/21/2013	2.6	21.6	16.5	...	...	40.7
1/22/2013	4.5	24.9	31.4	...	...	60.8
1/23/2013	4.2	21.2	20.5	...	...	45.9
1/24/2013	7.3	24.8	21.7	...	...	53.8
1/25/2013	5.4	27.7	22.0	...	...	55.1
1/26/2013	0.8	20.8	23.5	...	...	45.1
1/27/2013	0.0	16.6	23.9	...	...	40.5
1/28/2013	0.6	11.4	16.7	...	...	28.7
1/29/2013	2.0	12.5	11.8	...	...	26.3
1/30/2013	3.6	9.6	18.2	...	...	31.4
1/31/2013	6.7	6.6	29.6	...	...	42.9
TOTAL	118	440	533	...	...	1091
MAXIMUM	18	28	31	...	...	61
MINIMUM	0	5	3	...	...	12
AVERAGE	4	14	17	...	...	35
All Time High	34.9	83.5	111.8			223.8
Date	12.06.12	03.08.12	26.07.12			03.08.12

ACTUAL POWER SUPPLY POSITION - JANUARY 2013

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	Surplus(+)/ Deficit(-)	% Shortage
NR	Chandigarh	4	4	0	123	123	0	0	281	281	0	0
	Delhi	64	64	0	1994	1992	-1	0	4214	4214	0	0
	Haryana	101	98	-3	3117	3033	-84	3	5649	5649	0	0
	H.P.	24	24	-1	750	730	-20	3	1335	1335	0	0
	J&K	48	36	-12	1502	1126	-376	25	2421	1816	-605	-25
	Punjab	97	93	-4	2992	2876	-116	4	5797	5197	-600	-10
	Rajasthan	173	171	-2	5372	5307	-65	1	8940	8515	-425	-5
	U.P.	261	207	-54	8098	6428	-1669	21	12639	9949	-2690	-21
	Uttarakhand	33	30	-3	1008	926	-82	8	1680	1680	0	0
	NFF/Railway	2	2	0	64	64	0	0	97	97	0	0
	TOTAL	807	729	-78	25019	22606	-2413	10	39860	35516	-4344	-11
WR	Gujarat	231	231	0	7160	7146	-14	0	11301	11158	-143	-1
	Madhya Pradesh	185	167	-18	5730	5174	-556	-10	9541	8821	-720	-8
	Chhattisgarh	63	62	-1	1961	1928	-32	-2	3045	2968	-77	-3
	Maharashtra	342	333	-8	10593	10336	-258	-2	16916	16363	-553	-3
	Goa	7	7	0	212	210	-2	-1	413	395	-18	-4
	D&D	6	6	0	185	171	-14	-8	285	266	-19	-7
	DNH	13	13	0	415	414	-1	0	604	601	-3	0
	TOTAL	847	819	-28	26257	25381	-875	-3	41026	38714	-2312	-6
SR	AP-TRANSCO	289	234	-55	8965	7265	-1700	-19	12217	11236	-981	-8
	KPTCL	194	166	-28	6026	5155	-871	-14	9293	8458	-835	-9
	KSEB	57	54	-3	1766	1673	-93	-5	3311	2892	-419	-13
	TNEB	253	214	-38	7840	6648	-1192	-15	11609	9942	-1667	-14
	PONDY	6	6	0	175	175	0	0	312	309	-3	-1
		TOTAL	799	675	-124	24771	20915	-3856	-16	36302	30543	-5759	-16
ER	Bihar	39	32	-8	1215	982	-233	-19	2305	1530	-775	-34
	JSEB	22	20	-1	670	626	-44	-7	1200	1073	-127	-11
	GRIDCO	52	55	3	1600	1704	104	7	2585	2489	-96	-4
	DVC	71	61	-10	2210	1903	-307	-14	3680	3404	-276	-8
	West Bengal	103	106	3	3189	3288	99	3	6106	6246	140	2
	TOTAL	287	274	-12	8884	8503	-381	-4	15525	14527	-998	-6
NER	Arunachal Pradesh	2	1	0	47	44	-3	-6.1	110	105	-5	-4
	Assam	17	16	-1	523	492	-32	-6.0	1072	1055	-17	-2
	Manipur	2	2	0	56	53	-3	-4.6	119	118	-1	-1
	MeSEB	6	5	-1	177	155	-22	-12.7	312	310	-2	-1
	Mizoram	1	1	0	36	34	-2	-5.8	74	70	-4	-6
	Nagaland	2	2	0	51	48	-3	-5.1	99	95	-4	-4
	Tripura	3	3	0	102	99	-3	-2.5	198	198	0	0
	TOTAL	32	30	-2	992	925	-67	-6.7	1985	1951	-34	-2

SCHEDULE AND DRAWAL OF CONSTITUENTS - JANUARY 2013

REGION	STATE	SCHEDULE (MU)	ACTUAL DRAWAL (MU)	Over drawal(+)/ Under Drawal(-) (MU)	SCHEDULE (MU/DAY)	ACTUAL DRAWAL (MU/DAY)	Over drawal(+)/ Under Drawal(-) (MU/DAY)
NR	Chandigarh	113	133	20	4	4	1
	Delhi	1141	1019	-122	37	33	-4
	Haryana	1068	1182	115	34	38	4
	H.P.	599	613	14	19	20	0
	J&K	896	971	74	29	31	2
	Punjab	1098	1056	-42	35	34	-1
	Rajasthan	2432	2432	0	78	78	0
	U.P.	2190	2183	-7	71	70	0
	Uttarakhand	683	710	27	22	23	1
	NFF/Railway	72	64	-8	2	2	0
WR	Gujarat	1084	1045	-39	35	34	-1
	Madhya Pradesh	2814	2815	2	91	91	0
	Maharashtra	3116	3066	-50	101	99	-2
	Chhattisgarh	439	466	28	14	15	1
	Goa	226	198	-28	7	6	-1
	D&D	174	171	-3	6	6	0
	D&NH	425	414	-11	14	14	0
SR	APTRANSCO	8278	8176	-102	267	264	-3
	KPTCL	920	943	23	30	30	1
	KSEB	1104	1172	68	36	38	2
	TNEB	2289	2320	31	74	75	1
	PONDY	216	175	-41	7	6	-1
	GOA(SR)	64	57	-7	2	2	0
ER	Bihar	953	967	14	31	31	0
	JSEB	301	313	12	10	10	0
	DVC	-672	-630	42	-22	-20	1
	GRIDCO	464	473	10	15	15	0
	Sikkim	317	383	66	10	12	2
	WBSEB	40	36	-5	1	1	0
NER	Arunachal Pradesh	34	44	11	1	1	0
	Assam	320	356	36	10	11	1
	Manipur	45	53	8	1	2	0
	MeSEB	92	105	13	3	3	0
	Mizoram	26	31	5	1	1	0
	Nagaland	34	44	10	1	1	0
	Tripura	11	28	17	0	1	1

Inter-Regional Exchanges (2012-2013)

All figs. in MUs

Provisional data - subject to change

		Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Total FINANCIAL YEAR2012-13 (Till June'12)	
*	WR-NR	HVDC Vindhyachal B/B	22.31	146.15	203.64	198.81	212.96	102.09	131.08	7.61	9.14	135.19		1168.98	
		HVDC Mundra-M'garh#				221.62	328.28	373.97	491.33	482.80	390.55	752.57		3041.12	
		220KV Aur.-Mal.	0.33	0.00	1.51	9.17	0.00	1.18	0.00	0.00	0.00	2.30		14.48	
		220KV Kota/Morak-Badod	6.94	40.25	11.71	42.95	16.11	22.89	6.25	2.73	0.50	24.84		175.17	
		400KV Agra-Gwalior D/C	460.85	610.16	697.97	712.15	378.55	362.60	311.59	145.61	190.59	402.25		4272.33	
		400KV Kankroli-Zerda	4.20	20.06	72.81	66.97	0.99	10.67	4.49	0.00	6.29	57.44		243.92	
		400KV Bhinmal-Zerda	3.30	40.92	72.65	94.51	4.58	29.07	31.31	3.82	37.43	116.86		434.45	
*	ER-NR	400KV Barh - Balia D/C \$	114.24	214.97	175.75	122.11	46.34	61.71	282.67	103.19	0.00	0.00		1120.98	
		HVDC Sasaram B/B (Bypass wef 1 DEC'08)	22.34	63.33	58.57	180.46	101.20	127.47	33.20	102.62	33.03	157.24		879.46	
		765 kV Gaya - Fatehpur					82.99	66.01	101.65	109.05	137.99	113.56		611.25	
		400KV Mzp-Gkp D/C	309.11	484.33	447.30	670.69	499.81	481.15	536.30	282.99	341.08	256.19		4308.94	
		220/132kV	105.31	98.91	105.40	98.24	101.12	109.94	106.68	99.39	97.31	84.46		1006.74	
		400KV Patna-Balia 2xD/C \$	224.55	320.90	299.47	370.14	256.53	253.89	209.32	231.84	512.62	488.58		3167.84	
		400kV Pusauli- Balia	0.00	0.00	7.54	13.48	6.48	9.36	30.89	1.43	8.64	1.82		79.64	
		400KV Biharshariff-Balia D/C	208.57	293.31	274.10	330.85	231.34	198.45	241.50	184.24	200.47	174.82		2337.66	
*	NR-WR	HVDC Vindhyachal B/B	70.00	17.02	16.83	19.77	6.86	26.18	55.01	194.44	220.48	17.41		644.01	
		220KV Aur.-Mal.	30.53	32.46	17.41	10.57	35.00	36.63	69.13	100.33	103.01	65.66		500.73	
		220KV Kota/Morak-Badod	7.12	0.67	0.80	0.00	14.83	4.28	37.09	77.33	57.75	9.80		209.67	
		400KV Agra-Gwalior D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.99	0.00		1.67	
		400KV Kankroli-Zerda	86.94	14.45	11.31	5.92	46.44	28.02	48.47	88.70	38.07	2.59		370.91	
		400KV Bhinmal-Zerda	68.76	8.67	12.42	8.51	42.83	7.75	8.28	25.52	4.41	1.20		188.35	
*	NR-ER	400KV Barh - Balia D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
		220/132kV	27.60	26.92	26.92	28.05	28.32	22.51	31.50	30.12	25.62	33.65		281.22	
		400KV Mzp-Gkp D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
		765 kV Gaya - Fatehpur					0.00	0.00	0.40	0.40	0.00	0.00		0.80	
		HVDC Sasaram B/B (Bypass wef 1 DEC'08)	64.08	22.02	39.74	6.49	14.58	17.91	63.94	6.30	33.72	9.19		277.97	
		400KV Patna-Balia D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
		400kV Pusauli- Balia				3.69	9.95	21.23	1.66	26.16	8.51	33.93		105.12	
		400KV Biharshariff-Balia D/C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
*	NR-Nepal		19.17	11.91	11.91	13.25	10.28	3.52	0.85	11.79	15.90	20.01		118.59	
**	ER-SR	HVDC-Gaz.	157.65	108.00	195.80	349.42	215.55	239.21	296.76	348.46	368.72	409.08		2688.65	
		HVDC-Tal.	1571.43	1605.35	1427.68	1289.96	1070.88	945.53	1368.47	1287.79	1356.60	1422.58		13346.27	
**	SR-ER	HVDC-Gaz.	1.64	1.16	2.83	0.42	3.51	0.00	0.00	0.00	0.00	0.00		9.56	
***	ER-WR	AC links	188.97	240.24	149.77	61.17	93.46	99.07	303.91	258.07	553.00	177		2124.66	
***	WR-ER	AC links	422.66	460.91	649.57	717.30	434.47	285.63	30.62	18.52	-2.00	-39		2978.68	
***	ER-NER	AC links	246.32	231.89	124.78	86.43	105.44	90.27	70.50	215.87	266.00	257		1694.49	
***	NER-ER	AC links	0.05	0.07	18.31	23.02	14.05	27.16	23.32	1.28	-3.00	0		104.27	
**	SR-WR	Chandrapur HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	
**	WR-SR	Chandrapur HVDC	564.51	542.48	566.08	654.82	676.44	634.54	685.19	645.61	606.10	668.54		6244.31	
		TOTAL	5009	5657	5701	6411	5090	4700	5613	5095	5620	5857	0	0	54753
	ER-SR	Tal.-Kol. Interconnector	225.40	246.9	348.7	358.9	257.8	258.1	66.8	143.2	99.4	143		2148.03	
		Net IR (Excl. Tal.-II)	3213	3805	3924	4762	3761	3496	4178	3664	4164	4291	0	0	39259

** Data is taken from SRLDC

*** Data is taken from ERLDC # dedicated transmission line of M/s Adani Power Ltd. and not part of ISTS, \$ Barh-Balia D/C converted to Patna -Balial III & IV on 30.11.12

STOA (BILATERAL AND COLLECTIVE) & UI BILLING DETAILS- JANUARY' 2013

BILATERAL SHORT TERM OPEN ACCESS

Description	Name of RLDC	No. of Transactions	Energy Approved(MU)
JAN'13	NR	323	1845
	WR	123	1034
	SR	103	981
	ER	256	530
	NER	24	116
TOTAL		829	4507

SHORT TERM OPEN ACCESS

MONTH	Collective STOA		Bilateral STOA	
	NO. of Buyers/Sellers	Approved Energy (MU)	NO. of Buyers/Sellers	Approved Energy (MU)
APR'12	1676	1337	589	3460
MAY'12	1535	1478	724	3479
JUN'12	1650	1629	797	4155
JULY'12	1938	1572	826	5321
AUG'12	1876	1860	1103	5425
SEP'12	1725	1910	857	4635
OCT'12	2017	2301	918	3315
NOV'12	1988	2186	966	3944
DEC'12	1992	2315	1073	4318
JAN'13	2038	2099	829	4507
TOTAL	18435	18687	8682	42559

MONTHLY UI BILLING DETAILS 2012-13

provisional data subject to change

(RS. IN CRORES)

REGION	NORTH	WEST	EAST	SOUTH	NORTH EAST
(Upto 29th APR'12)	342	249	161	88	14
(Upto 27th MAY'12)	937	630	363	154	29
(Upto 01st JULY'12)	1,904	1,109	807	238	61
(Upto 29th JULY'12)	3,003	1,673	1,342	315	96
(Upto 26th AUG'12)	3,119	1,778	1,417	364	110
(upto 30th SEP'12)	3,220	1,850	1,485	425	121
(upto 28th OCT'12)	3,323	1,925	1,529	460	132
(upto 25th NOV'12)	3,402	1,979	1,575	504	140
(Upto 30th DEC'12)	3,515	2,082	1,634	549	150
(Upto 27th JAN'13)	3,606	2,165	1,707	574	163

POWER MARKET INFORMATION (Source IEX & PXIL)
EXCHANGES THROUGH POWER EXCHANGES (IEX & PXI) - JAN'2013

S. No.	Regional Entity	Region	Through Power Exchange in MU	
			Sale	Purchase
1	Punjab	NR	1.02	198.75
2	Haryana	NR	23.65	47.83
3	Rajasthan	NR	12.54	557.70
4	Delhi	NR	242.99	15.97
5	Uttar Pradesh	NR	3.99	65.72
6	Uttarakhand	NR	3.60	46.18
7	Himachal Pradesh	NR	1.69	20.20
8	J & K	NR	1.10	7.15
9	UT Chandigarh	NR	0.26	5.32
10	AD Hydro	NR	0.73	0.00
11	KW	NR	0.00	0.00
12	Shree Cement	NR	17.62	0.00
13	Nathpa Jhakri	NR	0.00	0.00
14	Baira Siul HEP(BS0)	NR	0.70	0.00
15	Chamera-I HEP(CM1)	NR	15.21	0.00
16	Chamera-II HEP(CM2)	NR	11.74	0.00
17	Dhauliganga HEP(DG0)	NR	9.42	0.00
18	Dulahasti HEP(DU0)	NR	13.74	0.00
19	Salai HEP(SL0)	NR	11.36	0.00
20	Sewa-II NHPC(SW2)	NR	3.44	0.00
21	Tanakpur HEP(TP0)	NR	3.35	0.00
22	Uri HEP(UR0)	NR	22.78	0.00
23	LANCO Budhil	NR	0.41	0.00
24	chamera 3	NR	4.96	0.00
25	ADANI HVDC(NORGU0)	NR	21.31	0.00
26	MP	WR	47.29	25.20
27	Maharashtra	WR	92.63	12.25
28	Gujarat	WR	373.40	500.36
29	Chattisgarh	WR	90.73	8.61
30	Goa	WR	0.00	0.00
31	Daman and Diu	WR	0.00	0.00
32	Dadra & Nagar Haveli	WR	0.00	0.00
33	JD	WR	216.12	0.00
34	LANCO AMK	WR	0.00	0.00
35	ACB India Limited	WR	11.55	0.00
36	Jindal Steel and Power Ltd	WR	68.94	0.00
37	Balco-II	WR	1.80	0.00
38	Sterlite(w3rse0)	WR	110.82	0.00
39	EMCO	WR	0.00	0.00
40	VANDANA VIDYUT	WR	0.00	0.08
41	Andhra Pradesh	SR	65.68	299.76
42	Karnataka	SR	410.23	9.24
43	Kerala	SR	0.00	68.42
44	Tamilnadu	SR	0.00	100.53
45	Pondicherry	SR	0.00	0.00
46	Goa	SR	0.00	0.00
47	LANCO_KONDPLY	SR	0.00	0.00
48	SIMHAPURI	SR	7.41	0.00
49	MINAXI	SR	0.00	0.00
50	West Bengal	ER	56.68	51.32
51	Orissa	ER	28.78	0.00
52	Bihar	ER	0.00	0.00
53	Jharkhand	ER	0.00	0.00
54	Sikkim	ER	8.35	0.00
55	DVC	ER	12.52	0.00
56	STERLITE	ER	0.00	0.00
57	Malthon Power Ltd	ER	23.08	0.00
58	Adhunik Power Ltd	ER	23.88	0.00
59	Arunachal Pradesh	NER	0.00	9.38
60	Assam	NER	0.00	35.46
61	Manipur	NER	0.00	0.00
62	Meghalaya	NER	1.68	5.66
63	Mizoram	NER	0.00	0.00
64	Nagaland	NER	0.00	7.10
65	Tripura	NER	3	0.40
66	Agartala GTPP_AG0	NER	3	0.00
67	KOPILI_KP1	NER	0	0.00
68	Assam GBPP_KT0	NER	5	0.00
69	LOKTAK	NER	8	0.00
	Total		2099	2099

RENEWABLE ENERGY CERTIFICATE MECHANISM

MONTH:- JANUARY 2013

RE Source & Unit wise break up (Jan,13)					
Sr.No	Source Wise	Accreditation		Registration	
		Capacity(MW)	Unit	Capacity(MW)	Unit
1	Wind	8.1	4	5.3	4
2	Urban or Municipal Waste	0	0	0	0
3	Solar PV	7	5	1.5	2
4	Small Hydro	24	1	4.8	1
5	Others	0	0	0	0
6	Biomass	16	2	7	2
7	Bio-fuel cogeneration	10.6	2	0	0
Total		65.7	14	18.6	9

RECs Issued (Jan,13)			
Sr.No.	Non Solar	Solar	Total
1	304357	3306	307663

Redemption of REC (Jan,13)			
Sr.No.	Non Solar	Solar	Total
1	193337	2308	195645

RE Source & Unit wise break up (Apr,12 - Jan,13)					
Sr.No	Source Wise	Accreditation		Registration	
		Capacity(MW)	Unit	Capacity(MW)	Unit
1	Wind	825.15	222	814.6	231
2	Urban or Municipal Waste	16	2	0	0
3	Solar PV	11.36	12	19.66	9
4	Small Hydro	54	5	15.5	4
5	Others	0	0	0	0
6	Biomass	97.43	13	142.6	20
7	Bio-fuel cogeneration	188.24	23	140.47	21
Total		1192.18	277	1132.83	285

RECs Issued (Apr,12 - Jan,13)			
Sr.No.	Non Solar	Solar	Total
1	3735899	9847	3745746

Redemption of REC (Apr,12 - Jan,13)			
Sr.No.	Non Solar	Solar	Total
1	1994978	8596	2003574

IMPORTANT EVENTS / DISTURBANCES - JANUARY 2013

Outage		Region	Event	Generation/Load Loss	Category as per CEA Grid Standards	Revival	
Date	Time					Date	Time
14.01.13	0515	ER	All running units of Tenughat and Patratu tripped at '0515 Hrs due to tripping of 220 kV Tenughat - Biharshariff line and 220 kV Tenughat - Patratu	Gen. LossTotal =354 MW, Traction Power affcteed at Hatia, Namkum and Kamdara of 30 MW for 20 minutes.	GD-I	14.01.13	0550 hours
20.01.13	1408	NER	220 KV Agia-Sarsujai D/C & 220 KV Samaguri-Balipara was under Shutdown.Misa-Balipara D/C tripped due to which parts of Assam,Meghalaya,Manipur,Mizoram,Nagaland & Tripura got isolated from NEW grid and collapsed due to load generation mismatch.	Gen. Loss = 150 MW Load Loss = 650 MW	GD-V	20.01.13	1543 hours
24.01.13	2145	NER	Kaithalguri Unit-I tripped due to Gen. Circuit Breaker Lockout operation leading to tripping of all Gen. Units from 1 to 9 except Unit -4	Gen. Loss=257.5MW	GD-II	24.01.13	2359 hours
27.01.13	1740	ER	There was a blackout in Sikkim caused by tripping of 132 KV Rangit-Gangtok line.The 132 KV Siliguri-Melli and 132 KV Rangit-Kurseong lines were under shutdown prior to the incident while 132 KV Rangit-Melli was under breakdown	Load Loss=65 MW	GD-I	27.01.13	1810 hours
28.01.13	2320	SR	Due to delayed clearance of fault on 220 KV Sharawati-Talaguppa D/C line,all the generating units at Sharawati power station tripped.	Gen. Loss=800MW	GD-I	30.01.13	0058 hours
29.01.13	2008	ER	220KV Balimela-Jayanagar-II tripped due to Y-Phase jumper snapped at Jayanagar end,causing tripping of other two circuits on overcurrent.At the same time 220 KV Jayanagar-Jeypore-I also tripped.All running Units except Unit-7 of Balimela tripped due to loss of evacuation paths from Balimela.	Gen. Loss=400 MW	GD-I	29.01.13	2100 hours

NEW ELEMENTS COMMISSIONED in JANUARY-2013

a) COMMISSIONING OF NEW GENERATING UNITS

REGION	SL.NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY (MW)	DATE	TIME
NR	1	RRVPNL	Rajwest	5	135	04.01.13	0016

b) COMMISSIONING OF NEW TRANSMISSION LINES

REGION	SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	TIME
NR	1	HVPNL	Daultabad-Dhanonda	1&2	400	29.01.13	
	2	RVPNL	Bikaner-Gajner	1	220	22.01.13	1516
	3	RVPNL	Bikaner-Gajner	2	220	22.01.13	1517
	4	POWERGRID	LILO of Lucknow-Balia-I at Sohawal	1	400	16.01.13	2125

c) COMMISSIONING OF NEW ICTS

REGION	SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE	TIME
NR	1	PSTCL	Dhuri	400/220	500	15.01.13	1800
	2	POWERGRID	Meerut	765/400	1500	31.01.13	1955

d) COMMISSIONING OF LINE REACTORS

REGION	SL.NO.	CONSTITUENT	LINE NAME/STATION NAME	KV	CAPACITY (MVAR)	DATE	TIME
NR	1	POWERGRID	Meerut-Agra	765	240	31.01.13	1748
	2	POWERGRID	Agra-Fatehpur	765	240	31.01.13	1854

e) COMMISSIONING OF BUS REACTORS

REGION	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MVAR)	DATE	TIME
NR	1	POWERGRID	Meerut	765	240	31.01.13	1520
	2	POWERGRID	Roorkee	400	115	31.01.13	1820
	3	POWERGRID	Gorakhpur	400	125	31.01.13	1310

d) COMMISSIONING OF SUBSTATION

REGION	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MVA)	DATE	TIME
NR							

a) COMMISSIONING OF NEW GENERATING UNITS

REGION	SL.NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY (MW)	DATE	TIME
WR	1	APML	Tirora APML	II	600	30/01/2013	16:31

b) COMMISSIONING OF NEW TRANSMISSION LINES

REGION	SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	TIME	
WR	1	POWERGRID	Sasan-Satna	I	765	1/1/2013		
	2	MSTCL	Warora-Wardha	II	400	4/1/2013	17:04	
	3	MADHYA PRADESH	Kotmikala(CHG)-Amarkantak(MP) D/C		LILO at Annupur (MP)	220	15/01/2013	
	4	POWERGRID	Raipur-Rajgarh		II (LILO at Korba West Power Company Ltd)	400	28/01/2013	10:40
	5	POWERGRID	Bina (PG)- Bina (MP)		III	400	31/01/2013	20:56
	6	POWERGRID	Sasan-Vindhyachal		I	400	29/01/2013	11:11
	7	POWERGRID	Sasan-Vindhyachal		II	400	29/01/2013	12:40

c) COMMISSIONING OF NEW ICTS

REGION	SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE	TIME
WR	1	MADHYA PRADESH	Annupur	220/132	160	15/01/2013	
	2	POWERGRID	Vapi ICT#3	400/220	315	31/01/2013	23:55

d) COMMISSIONING OF LINE REACTORS							
REGION	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MVAR)	DATE	TIME
WR	1	POWERGRID	Satna	765	3x80	11/1/2013	17:42
	2	POWERGRID	Sasan	400	2x50	29/01/2013	12:40
e) COMMISSIONING OF BUS REACTORS							
REGION	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MVAR)	DATE	TIME
WR	NIL						
a) COMMISSIONING OF NEW GENERATING UNITS							
Region	SL.NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY	DATE	TIME
SR							
b) COMMISSIONING OF NEW TRANSMISSION LINES							
Region	SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	TIME
SR	1	TANTRANSCO	MTPS ST III-ARASUR	I	400	30.01.2013	
	2	TANTRANSCO	MTPS ST III-ARASUR	II	400	30.01.2013	
c) COMMISSIONING OF NEW ICTS							
Region	SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MV A)	DATE	TIME
SR	1	APTRANSCO	GAJWEL	400/220	100		
	2	APTRANSCO	MALKARAM	400/220	100		
d) COMMISSIONING OF LINE REACTORS							
Region	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MV AR)	DATE	TIME
SR							
e) COMMISSIONING OF BUS REACTORS							
Region	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MV AR)	DATE	TIME
SR	1	POWERGRID	GOOTY	400	80	01.01.2013	
d) COMMISSIONING OF SUBSTATION							
Region	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY (MV A)	DATE	TIME
SR	1	APTRANSCO	JURALIYA	220/132	100	10.01.2013	
	2	APTRANSCO	MALYAPALLY	220/132	60	26.01.2013	
a) COMMISSIONING OF NEW GENERATING UNITS							
REGION	SL.NO.	CONSTITUENT	UNIT NAME	UNIT NO	CAPACITY (MW)	DATE	TIME
ER	1	NHPC	Teesta Lower Dam Project	2	33	16.01.13	1130
	2	APNRL	Adhunik Power & Natural Resources Ltd.	1	270	21.01.13 (COD)	
	3	GMR	GMR	1	350	27.01.13	0850
b) COMMISSIONING OF NEW TRANSMISSION LINES							
REGION	SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE	TIME
ER	1	WBSETCL	NJP(WB)-TLDP(Teesta Lower Dam Project)	1	220	15.01.13	1933
	2	POWERGRID	LILO of Rengali-Baripada at Keonjhar	1	400	31.01.13	1851
	3	POWERGRID	Maithon-Koderma	1	400	31.01.13	2347
	4	POWERGRID	Maithon-Koderma	2	400	31.01.13	2158

c) COMMISSIONING OF NEW ICTS							
REGION	SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY(MVA)	DATE	TIME
ER	1		Subhasgram		315	07.01.13	1404
	2	WBSETCL	Kasba	220/132	160	16.01.13	1631
	3	POWERGRID	Birpara	220/132	160	22.01.13	2115
	4	POWERGRID	Keonjhar	400/220	315	31.01.13	2020
	5	POWERGRID	Malda	220/132	160	31.01.13	1940
	6	WBSETCL	Jeerat	400/220	315	04.01.13	1914
d) COMMISSIONING OF LINE REACTORS							
REGION	SL.NO.	CONSTITUENT	LINE NAME/STATION NAME	KV	CAPACITY(MVAR)	DATE	TIME
ER	1	POWERGRID	Biharshariff-Banka-I at Banka	400	50	28.01.13	1719
	2	POWERGRID	Biharshariff-Banka-II at Banka	400	50	29.01.13	1354
e) COMMISSIONING OF BUS REACTORS							
REGION	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY(MVAR)	DATE	TIME
ER	1	POWERGRID	Banka	400	80	30.01.13	2031
	2	POWERGRID	Keonjhar	400	80	31.01.13	2135
d) COMMISSIONING OF SUBSTATION							
REGION	SL.NO.	CONSTITUENT	STATION NAME	KV	CAPACITY(MVA)	DATE	TIME
ER	1	BSPHCL	Sipara	220/132	300	17.01.13	

VOLTAGE PROFILE - JANUARY 2013

SI. No.	REGION	SUBSTATION	Maximum(kV)	Minimum(kV)	Average(kV)
1	ER	FARAKKA	428	413	420
2		KAHALGAON	432	414	424
3		TALCHER	420	401	410
4		BINAGURI	431	395	403
5		PURNEA	426	401	413
6		MUZAFFARPUR	428	400	407
7		JAMSHEDPUR	433	419	422
8		RENGALI	422	402	414
9		JEYPORE	429	394	411
1	NR	NALLAGARH	427	400	413
2		BHIWADI	443	390	414
3		BALLABGARH	437	396	414
4		ALLAHABAD	430	400	413
5		HISSAR	423	386	402
6		BAWANA	434	397	414
7		KANPUR	428	391	408
8		BASSI	435	387	410
9		LUCKNOW PG	431	401	419
10		MOGA	421	391	404
11		RATANGARH	427	386	409
1	WR	ASOJ	424	402	412
2		ITARSI	427	396	416
3		JETPUR	432	404	416
4		KARAD	440	397	426
5		KOLHAPUR	424	404	415
6		BINA	429	396	415
7		GWALIOR	433	393	413
8		RAIPUR	438	419	429
9		JABALPUR	430	401	419
10		DHULE	436	398	419

VOLTAGE PROFILE - JANUARY 2013

SI. No.	REGION	SUBSTATION	Maximum(kV)	Minimum(kV)	Average(kV)
1	SR	SRIPERUMPUDUR	420	388	404
2		NEYVELI	413	398	407
3		SALEM	414	383	401
4		BANGALORE	420	385	399
5		HOSUR	414	385	396
6		RAMAGUNDAM	419	400	412
7		VIJAYAWADA	434	409	423
8		TIRIVANDRUM	425	382	407
9		HYDERABAD	431	404	416
1	NER	MISA	426	396	411
2		BALIPARA	411	382	403
3		BONGAIGAON	414	382	400
4		JIRIBAM 132 Kv	140	123	133
5		HAFLONG 132 kV	141	127	134
6		AIZWAL 132 kV	137	117	130
7		KUMARGHAT 132 kV	140	118	131
8		IMPHAL 132 kV	144	113	133
9		Khlieriat_PG 132 kV	142	125	133