

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	420	260	7.71	321
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	110	110	2.28	95
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	680	480	13.36	557
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	700	697	15.88	662
	Talwandi Saboo (1*660)	660	501	0	3.16	132
	Thermal (Total)	4680	2411	1547	42.39	1766
	Total Hydro	1148	293	286	7.09	295
Total Punjab	5828	2704	1833	49.48	2062	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	275	237	6.74	281
	Faridabad GPS (NTPC)	432	158	156	3.91	163
	RGTPP (khedar) (IPP) (2*600)	1200	581	0	8.76	365
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1244	829	27.43	1143
	Thermal (Total)	4944	2258	1222	46.84	1952
	Total Hydro	62	15	15	0.37	15
	Total Haryana	5006	2273	1237	47.20	1967
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1066	1058	25.56
suratgarh TPS (6*250)		1500	943	955	23.72	989
Chabra TPS (3*250)		750	569	400	10.99	458
Dholpur GPS (3*110)		330	0	133	2.22	93
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	169	95	4.00	167
RAPS A (NPC) (1*100+1*200)		300	169	169	4.02	168
Barsingar (NLC) (2*125)		250	194	194	4.63	193
Giral LTPS (2*125)		250	76	76	1.49	62
Rajwest LTPS (IPP) (8*135)		1080	595	822	18.69	779
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(1*600)		600	0	0	0.00	0
Kawai(Adani) (2*660)		1320	924	601	17.23	718
Thermal (Total)		8026	4705	4503	113	4690
Total Hydro		550	160	23	0.58	24
Wind power		2798	558	656	13.47	561
Biomass		99	33	33	0.79	33
Solar		730	1	0	0.06	3
Renewable/Others (Total)		3627	592	689	14.33	597
Total Rajasthan		12203	5457	5215	127.46	5311
UP	Anpara TPS (3*210+2*500)	1630	1336	1369	32.10	1338
	Obra TPS (2*50+2*94+5*200)	1194	464	477	11.20	467
	Paricha TPS (2*110+2*220+2*250)	1140	691	698	16.70	696
	Panki TPS (2*105)	210	77	59	1.90	79
	Harduaganj TPS (1*60+1*105+2*250)	665	232	230	4.80	200
	Tanda TPS (NTPC) (4*110)	440	390	390	9.55	398
	Roza TPS (IPP) (4*300)	1200	266	266	6.41	267
	Anpara-C (IPP) (2*600)	1200	1083	1076	25.86	1077
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Thermal (Total)	8129	4539	4565	108.52	4522
	Vishnuparyag HPS (IPP)	400	86	87	2.09	87
	Other Hydro	527	123	281	5.06	211
	Cogeneration	981	800	800	19.20	800
	Total UP	10037	5548	5733	134.87	5533
	Uttarakhand	Total Hydro	1398	494	454	11.68
Total Uttarakhand		1398	494	454	11.68	487
Delhi	Raighat TPS (2*67.5)	135	47	49	1.08	45
	Delhi Gas Turbine (6x30 + 3x34)	282	77	8063	1.85	77
	Pragati Gas Turbine (2x104+ 1x122)	330	146	155	3.65	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	28	315	2.16	90
	Badarpur TPS (NTPC) (3*95+2*210)	705	211	231	5.20	217
	Thermal (Total)	2917	509	8812	13.95	581
Total Delhi	2917	509	8812	13.95	581	
HP	Baspa HPS (IPP) (2*150)	300	0	0	0.97	41
	Malana HPS (IPP) (2*43)	86	0	46	0.31	13
	Other Hydro	728	327	304	8.06	336
	Total HP	1114	327	350	9.34	389
J & K	Baqilhar HPS (IPP) (3*150)	450	294	214	6.39	266
	Other Hydro/IPP	436	65	0	1.46	61
	Gas/Diesel/Others	209	0	0	0.00	0
	Total J & K	1094	359	214	7.85	327
Total State Control Area Generation		39597	17671	23848	401.83	16656
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			2537.9	2406.76	88.65	3694
Total Regional Availability(Gross)		64032	37682	37679	811.61	33730

IV. Total Hydro Generation:

Regional Entities Hydro	11432	8084	2004	93.08	3878
State Control Area Hydro	5684	1771	1623	44.05	1748
Total Regional Hydro	17116	9855	3627	137.13	5627

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal B/B	-500	-500	0	500	0.00	11.21	-11.21
Gwalior-Agra (D/C)	1899	1624	2111	0	39.07	0.00	39.07
Zerda-Kankroli	-253	-318	0	419	0.00	7.61	-7.61
Zerda-Bhinmal	-208	-268	0	368	0.00	5.94	-5.94
Malanpur-Auraiya	15	23	0	25	0.00	1.14	-1.14
Badod-Kota/Morak	-171	-109	0	88	0.00	2.54	-2.54
Mundra-Mohindergarh(HVDC)	1802	2303	2316	0	49.40	0.00	49.40
Vindhychal - Rihand	499	497	510	0	12.01	0.00	12.01
Sub Total WR	3083	3252			100.48	28.43	72.05
Pusauli Bypass	-551	-596	0	629	0.00	13.08	-13.08
MZP- GKP (D/C)	-40	-57	146	90	0.99	0.00	0.99
Patna-Balia(D/C)	-405	-596	729	0	14.26	0.00	14.26
B'Sharif-Balia (D/C)	44	61	80	84	0.00	0.34	-0.34
Pusauli-Balia	-24	-11	81	20	1.11	0.00	1.11
Gaya-Fatehpur (765 Kv)	179	126	384	0	5.78	0.00	5.78
Pusauli-Sahupuri	130	170	176	0	3.69	0.00	3.69
K'nasa-Sahupuri	0	0	0	0	0.48	0.48	0.00
Son Ngr-Rihand	-42	-40	0	42	0.00	0.93	-0.93
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	164	97	354	0	5.12	0.00	5.12
Sub Total ER	-545	-845			31.44	14.84	16.60
Total IR Exch	2538	2407			131.91	43.27	88.65

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
25.94	0.16	26.10	2.30	-1.41	12.86	7.30	0.72	-0.72

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mdra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
41.97	48.10	90.07	16.60	72.05	88.65	-25.37	23.94	-1.43

VI. Frequency Profile

% of Time Frequency									
<49.2	<49.7	<49.8	<49.9	<50.0	49.9-50.05	50.05-50.10	50.10-50.20	>50.20	>50.50
0.00	0.41	6.35	31.82	73.86	57.25	7.38	3.17	0.41	0.00

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	Hz				
50.24	18.02	49.67	9.20	49.94	0.12	0.09	50.15	0

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Rihand	400	411	01:49	400	08:46	0.0	0.0	0.0	0.0
Gorakhpur	400	415	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	400	431	02:51	403	19:12	0.0	0.0	24.2	0.2
Kanpur	400	428	02:54	404	19:14	0.0	0.0	22.1	0.0
Dadri	400	426	23:24	406	19:17	53.1	53.1	11.5	0.0
Ballabgarh	400	437	01:27	410	19:19	0.0	0.0	56.1	24.2
Bawana	400	433	01:10	408	19:06	0.0	0.0	43.5	8.1
Bassi	400	430	01:26	396	07:31	0.0	0.0	32.8	0.0
Hissar	400	426	01:10	396	06:41	0.0	0.0	19.6	0.0
Moga	400	429	01:11	405	19:11	0.0	0.0	34.5	0.0
Abdullapur	400	430	01:10	396	06:39	0.0	0.0	25.7	0.0
Nalagarh	400	436	21:32	396	10:56	0.0	0.0	44.8	21.9
Kishenpur	400	231	02:32	216	19:23	100.0	100.0	0.0	0.0
Wagoora	400	410	01:14	362	08:10	1.9	13.8	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV
Fatehpur	765	782	02:53	743	06:25	0.0	0.0	0.0	0.0
Balia	765	785	02:54	744	19:16	0.0	0.0	0.0	0.0
Moga	765	814	01:10	768	06:43	0.0	0.0	30.3	0.0
Agra	765	796	01:27	751	06:25	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Unnao	765	777	02:52	732	19:17	0.0	12.8	0.0	0.0

IX. Reservoir Parameters:

Name of Reservoir	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	480.47	468.02	482.60	519.70	252.13	281.50
Pong	426.72	384.05	402.37	273.51	402.72	281.22	166.90	45.31
Tehri	829.79	740.04	776.65	270.00	781.15	333.00	67.56	188.00
Koteshwar	612.50	598.50	611.20	4.95	610.82	4.95	188.00	192.00
Chamera-I	760.00	748.75	759.21	0.00	0.00	0.00	210.28	147.83
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	0.00	0.00	0.00	0.00	0.00	0.00
Jawahar Sagar	298.70	295.78	0.00	0.00	0.00	0.00	0.00	0.00
RSD	527.91	487.91	507.72	3.50	511.53	1.74	168.25	153.76

* NA: Not Available

X(A). Short-Term Open Access Details:

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-326	14	0	-282	48	0	-7.11	3.70	-3.41
Delhi	-688	-86	-41	-463	195	-41	-11.30	1.55	-9.75
Haryana	20	179	0	36	159	0	0.01	2.43	2.44
HP	161	-103	0	41	-269	0	3.11	-3.43	-0.32
J&K	546	-304	0	317	-14	0	9.60	-3.02	6.58
CHD	0	-15	0	0	-10	0	0.00	-0.06	-0.06
Rajasthan	0	723	2	0	502	2	0.00	14.22	14.22
UP	125	0	0	158	392	0	2.75	3.46	6.21
Uttarakhand	90	137	44	158	300	45	3.45	7.13	10.58
Total	-72	543	6	-34	1303	7	0.51	25.98	26.48

X(B). Short-Term Open Access Details:

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-281	-326	340	0	0	0
Delhi	-291	-688	413	-91	-30	-41
Haryana	36	-28	180	-281	0	0
HP	168	-60	2	-568	0	0
J&K	546	291	0	-304	0	0
CHD	0	0	15	-20	0	0
Rajasthan	0	0	822	395	2	2
UP	176	51	588	0	0	0
Uttarakhand	158	90	457	134	45	35

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 24.03.2015 :**
Normal.**XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :****XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**