

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	840	730	18.07	753
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	80	1.93	81
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	721	606	15.27	636
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	701	350	13.38	558
	Talwandi Saboo (1*660)	660	637	0	6.69	279
	Thermal (Total)	4700	2989	1766	55.34	2306
	Total Hydro	1000	693	781	17.35	723
	Total Punjab	5700	3682	2547	72.69	3029
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	224	221	5.37	224
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (Khedar) (IPP) (2*600)		1200	368	377	9.34	389
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	802	741	20.79	866
Thermal (Total)		4944	1394	1339	35.50	1479
Total Hydro		62	20	24	0.60	25
Total Haryana		5006	1414	1363	36.10	1504
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	962	785	20.72
	suratgarh TPS (6*250)	1500	598	457	11.81	492
	Chabra TPS (4*250)	1000	388	413	9.55	398
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	193	201	4.93	205
	RAPS A (NPC) (1*100+1*200)	300	148	151	3.37	140
	Barsingar (NLC) (2*125)	250	94	95	2.11	88
	Giral LTPS (2*125)	250	71	63	1.34	56
	Rajwest LTPS (IPP) (8*135)	1080	945	953	22.26	928
	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	1190	1180	28.39	1183
	Thermal (Total)	8276	4589	4298	104	4354
	Total Hydro	550	0	0	0.08	3
	Wind power	3214	562	1109	17.37	724
	Biomass	99	26	26	0.63	26
	Solar	730	0	0	2.63	110
	Renewable/Others (Total)	4043	588	1135	20.64	860
	Total Rajasthan	12869	5177	5433	125.20	5217
UP	Anpara TPS (3*210+2*500)	1630	1018	1113	25.20	1050
	Obra TPS (2*50+2*94+5*200)	1194	350	335	8.10	338
	Paricha TPS (2*110+2*220+2*250)	1140	660	643	15.60	650
	Panki TPS (2*105)	210	117	126	2.80	117
	Harduaganj TPS (1*60+1*105+2*250)	665	513	527	12.50	521
	Tanda TPS (NTPC) (4*110)	440	362	369	9.00	375
	Roza TPS (IPP) (4*300)	1200	824	824	19.70	821
	Anpara-C (IPP) (2*600)	1200	885	890	19.30	804
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	324	403	9.00	375
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	266	269	5.80	242
	Thermal (Total)	9289	5319	5499	127	5292
	Vishnuparyag HPS (IPP)(including Alakanada)	730	233	233	5.40	225
	Other Hydro	527	279	208	4.40	183
	Cogeneration	981	100	100	2.40	100
	Total UP	11527	5931	6040	139.20	5575
Uttarakhand	Total Hydro	1398	939	568	18.77	782
	Total Uttarakhand	1398	939	568	18.77	782
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	70	1.66	69
	Pragati Gas Turbine (2x104+ 1x122)	330	259	262	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	268	269	6.41	267
	Badarpur TPS (NTPC) (3*95+2*210)	705	423	370	9.23	384
	Thermal (Total)	2917	1021	971	23.69	987
	Total Delhi	2917	1021	971	23.69	987
HP	Baspa HPS (IPP) (2*100)	300	333	333	7.86	327
	Malana HPS (IPP) (2*43)	86	100	97	2.31	96
	Other Hydro	878	592	491	13.32	555
	Total HP	1264	1025	921	23.48	978
J & K	Baglihar HPS (IPP) (3*150)	450	440	440	10.57	440
	Other Hydro/IPP	560	181	189	4.50	187
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	621	629	15.06	628
Total State Control Area Generation		41881	19810	18472	454.18	18699
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7776	5975	148.12	6172
Total Regional Availability(Gross)		67100	47848	42861	1040.41	43125

IV. Total Hydro Generation:

Regional Entities Hydro	12216	10727	9930	231.66	9653
State Control Area Hydro	5811	3577	3131	85.14	3323
Total Regional Hydro	18027	14304	13061	316.80	12975

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal B/B	-350	-300	0	350	0.00	7.28	-7.28
Gwalior-Agra (D/C)	2640	2005	2640	0	45.41	0.00	45.41
Zerda-Kankroli	-6	-93	28	224	0.00	2.68	-2.68
Zerda-Bhinmal	51	-81	79	223	0.00	1.58	-1.58
Malanpur-Auraiya	-7	0	0	9	0.20	0.00	0.20
Badod-Kota/Morak	65	66	79	0	1.01	0.00	1.01
Mundra-Mohinderqarh(HVDC)	2496	1799	2509	0	48.97	0.00	48.97
Vindhychal - Rihand	504	497	507	0	11.82	0.00	11.82
Sub Total WR	5393	3893			107.40	11.53	95.87
Pusauli Bypass	400	400	400	0	9.27	0.00	9.27
MZP- GKP (D/C)	394	446	696	0	11.59	0.00	11.59
Patna-Balia(D/C)	280	254	350	0	7.23	0.00	7.23
B'Sharif-Balia (D/C)	184	154	254	0	4.67	0.00	4.67
Pusauli-Balia	352	267	360	0	0.99	0.00	0.99
Gaya-Fatehpur (765 Kv)	287	171	384	0	6.67	0.00	6.67
Pusauli-Sahupuri	166	148	169	0	3.59	0.00	3.59
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-40	-34	0	44	0.00	0.69	-0.69
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 Kv)	109	41	252	0	3.01	0.00	3.01
Barh -GKP (D/C)	251	235	312	0	5.44	0.00	5.44
Sub Total ER	2383	2082			52.94	0.69	52.25
Total IR Exch	7776	5975			160.34	12.22	148.12

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

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
33.12	3.24	36.37	8.40	9.42	0.00	-0.02	1.67	-1.67
Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
46.44	100.74	147.18	52.25	95.87	148.12	5.81	-4.87	0.94

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendamaagar	-16	-21	0	31	0	0	-0.46

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	0.00	0.41	9.76	59.35	75.09	11.30	3.51	0.43	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time					
50.22	6.04	49.76	22.08	49.98	0.05	0.07	50.22	49.94

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	402	05:04	395	14:40	0.0	0.0	0.0	0.0
Gorakhpur	400	415	06:04	401	22:22	0.0	0.0	0.0	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.0	0.0	0.0
Kanpur	400	415	06:04	399	19:47	0.0	0.0	0.0	0.0
Dadri	400	413	05:05	392	14:38	0.0	0.0	0.0	0.0
Ballabgarh	400	419	06:02	396	14:47	0.0	0.0	0.0	0.0
Bawana	400	416	05:08	397	14:35	0.0	0.0	0.0	0.0
Bassi	400	421	04:02	402	09:42	0.0	0.0	0.4	0.0
Hissar	400	410	03:39	392	14:34	0.0	0.0	0.0	0.0
Moga	400	408	03:37	392	14:37	0.0	0.0	0.0	0.0
Abdullapur	400	414	06:02	396	19:15	0.0	2.5	0.0	0.0
Nalagarh	400	410	03:28	396	14:19	0.0	0.0	0.0	0.0
Kishenpur	400	416	03:39	397	14:36	0.0	0.0	0.0	0.0
Wagoora	400	398	17:35	373	19:52	49.2	84.4	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	774	05:09	741	14:47	0.0	0.2	0.0	0.0
Balia	765	771	17:03	744	22:10	0.0	0.0	0.0	0.0
Moga	765	778	03:36	748	14:36	0.0	0.0	0.0	0.0
Agra	765	787	05:05	756	14:48	0.0	0.0	0.0	0.0
Bhiwani	765	786	05:06	754	14:19	0.0	0.0	0.0	0.0
Unnao	765	769	06:01	737	14:49	0.0	3.9	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	497.13	983.40	495.47	926.03	2280.92	975.60
Pong	426.72	384.05	410.78	525.54	402.59	281.22	2531.95	68.44
Tehri	829.79	740.04	772.55	235.00	766.90	180.00	611.71	232.00
Koteshwar	612.50	598.50	610.28	4.69	610.65	4.95	232.00	219.95
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	520.51	353.28
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	523.46	10.76	520.14	11.58	675.13	420.58

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	1131	2	0	964	2	0	27.18	0.76	27.94
Delhi	258	-155	-2	338	-265	-2	8.33	-1.70	6.63
Haryana	1381	143	0	1361	136	0	32.97	1.77	34.75
HP	-1109	-323	0	-906	-319	0	-23.37	-7.10	-30.47
J&K	-535	187	0	-434	187	0	-11.27	0.53	-10.74
CHD	0	0	0	0	49	0	0.24	0.49	0.73
Rajasthan	-489	458	2	-489	523	2	-11.74	12.87	1.13
UP	860	0	0	640	0	0	14.69	0.00	14.69
Uttarakhand	-55	0	0	-55	0	0	-1.33	0.00	-1.33
Total	1441	311	0	1418	313	0	35.71	7.61	43.32

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1329	964	124	2	0	0
Delhi	596	64	310	-265	0	-2
Haryana	1402	1316	248	-382	0	0
HP	-906	-1109	-248	-330	0	0
J&K	-434	-535	236	-212	0	0
CHD	30	0	49	0	0	0
Rajasthan	-489	-490	655	383	2	0
UP	876	445	0	0	0	0
Uttarakhand	-55	-55	0	0	0	0

XI. System Constraints:**XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 17.07.2015 :**

Normal

XIV. Synchronisation of new generating units :

1. Koldam HPP (4*200MW) declared COD w.e.f 0000Hrs of 18.07.2015

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 :**