

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	900	18.11	755
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	110	80	1.87	78
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	670	561	12.53	522
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1224	703	19.93	830
	Talwandi Saboo (1*660)	660	347	343	7.54	314
	Thermal (Total)	4700	3191	2587	59.98	2499
	Total Hydro	1000	775	925	21.99	916
	Total Punjab	5700	3966	3512	81.96	3415
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	463	450	11.12	463
Faridabad GPS (NTPC)		432	333	318	8.14	339
RGTPP (khedar) (IPP) (2*600)		1200	417	367	9.72	405
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4944	1213	1135	28.98	1207
Total Hydro		62	25	25	0.57	24
Total Haryana		5006	1238	1160	29.55	1231
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	737	893	20.20
	suratgarh TPS (6*250)	1500	773	741	18.60	775
	Chabra TPS (4*250)	1000	360	380	8.10	337
	Dholpur GPS (3*110)	330	79	78	2.14	89
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	150	201	4.65	194
	RAPS A (NPC) (1*100+1*200)	300	183	182	4.27	178
	Barsingsar (NLC) (2*125)	250	190	187	4.12	172
	Giral LTPS (2*125)	250	69	72	1.39	58
	Rajwest LTPS (IPP) (8*135)	1080	666	382	11.54	481
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	473	465	11.09	462
	Kawai(Adani) (2*660)	1320	868	864	21.23	885
	Thermal (Total)	8876	4548	4445	107	4472
	Total Hydro	550	326	258	5.06	211
	Wind power	3214	78	34	1.54	64
	Biomass	99	23	23	0.56	23
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	101	57	2.09	87
	Total Rajasthan	13469	4975	4760	114.47	4770
	UP	Anpara TPS (3*210+2*500)	1630	1370	1385	32.80
Obra TPS (2*50+2*94+5*200)		1194	325	308	7.50	313
Paricha TPS (2*110+2*220+2*250)		1140	652	666	15.30	638
Panki TPS (2*105)		210	50	41	1.10	46
Harduaganj TPS (1*60+1*105+2*250)		665	489	486	11.40	475
Tanda TPS (NTPC) (4*110)		440	272	267	6.51	271
Roza TPS (IPP) (4*300)		1200	824	828	19.50	813
Anpara-C (IPP) (2*600)		1200	545	536	13.00	542
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	365	363	8.30	346
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	0	0	0.00	0
Thermal (Total)		9289	4892	4880	115	4809
Vishnuparyag HPS (IPP)(4*110)		440	0	0	0.00	0
Alaknanda(4*82.5)		330	327	323	7.70	321
Other Hydro		527	214	257	5.20	217
Cogeneration		981	50	50	1.20	50
Total UP		11567	5483	5510	130	5396
Uttarakhand	Total Hydro	1398	964	1049	23.10	963
	Total Uttarakhand	1398	964	1049	23.10	963
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	43	51	0.94	39
	Pragati Gas Turbine (2x104+ 1x122)	330	145	143	4.00	167
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	-0.10	-4
	Badarpur TPS (NTPC) (3*95+2*210)	705	508	520	9.87	411
	Thermal (Total)	2917	696	714	14.69	612
	Total Delhi	2917	696	714	14.69	612
HP	Baspa HPS (IPP) (3*100)	300	329	329	6.74	281
	Malana HPS (IPP) (2*43)	86	104	104	2.45	102
	Other Hydro	878	594	537	11.91	496
	Total HP	1264	1027	970	21.10	879
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	560	185	151	3.69	154
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1200	635	601	14.49	604
Total State Control Area Generation		42521	18984	18276	428.87	17869
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6780	4219	128.24	5343
Total Regional Availability(Gross)		67758	45758	40811	1009.46	42061

IV. Total Hydro Generation:

Regional Entities Hydro	12234	11378	11220	271.81	11326
State Control Area Hydro	5811	3966	4085	91.50	3813
Total Regional Hydro	18045	15344	15305	363.32	15138

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	MW	MW	Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	200	50	200	50	1.83	0.06	1.77		
765 KV Gwalior-Agra (D/C)	2333	1176	2333	0	40.59	0.00	40.59		
400 KV Zerda-Kankrol	0	-219	0	267	0.00	3.50	-3.50		
400 KV Zerda-Bhinmal	-20	-124	13	262	0.00	2.85	-2.85		
220 KV Auraiya-Malanpur	-36	-75	0	91	0.00	1.22	-1.22		
220 KV Badod-Kota/Morak	45	-66	32	52	0.00	0.39	-0.39		
Mundra-Mohindergarh(HVDC Bipole)	2002	1998	2205	0	46.08	0.00	46.08		
400 KV Vindhyachal - Rihand	495	479	509	0	11.35	0.00	11.35		
765 kV Phagi-Gwalior (D/C)	467	165	467	0	6.79	0.00	6.79		
Sub Total WR	5486	3384			106.63	8.01	98.62		
Pusauli Bypass/HVDC	400	400	400	0	9.05	0.00	9.05		
400 KV MZP- GKP (D/C)	242	210	482	0	6.96	0.00	6.96		
400 KV Patna-Balia(D/C) X 2	136	89	326	0	3.99	0.00	3.99		
400 KV B'Sharif-Balia (D/C)	16	33	205	27	1.51	0.00	1.51		
765 KV Pusauli-Balia	4	30	166	0	0.14	0.00	0.14		
765 KV Gaya-Fatehpur	106	-15	256	96	2.36	0.00	2.36		
220 KV Pusauli-Sahupuri	198	138	198	0	3.50	0.00	3.50		
132 KV K'nasa-Sahupuri	0	0	1	0	0.00	0.00	0.00		
132 KV Son Ngr-Rihand	-40	-42	0	44	0.00	0.50	-0.50		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	-2	-146	4	214	0.00	1.90	-1.90		
400 KV Barh -GKP (D/C)	234	138	270	0	4.51	0.00	4.51		
Sub Total ER	1294	835			32.02	2.40	29.62		
Total IR Exch	6780	4219			138.65	10.41	128.24		

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
22.96	3.94	26.90	16.55	16.50	4.86	-0.05	1.46	-1.46
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
49.76	79.01	128.77	29.62	98.62	128.24	-20.14	19.61	-0.53

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	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-29	-24	0	38	0	1	-0.59		

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	1.04	3.78	18.40	52.02	66.31	11.72	3.90	0.24	0.00

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
50.27	13.04	49.62	20.12	49.97	0.08	0.09	50.16	0.00

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	405	04:01	401	07:28	0.0	0.0	0.0	0.0
Gorakhpur	400	423	06:03	402	14:42	0.0	0.0	4.7	0.0
Bareilly	400	414	00:00	414	00:00	0.0	0.0	0.0	0.0
Kanpur	400	419	04:02	407	14:44	0.0	0.0	0.0	0.0
Dadri	400	414	03:31	399	10:53	0.0	0.0	0.0	0.0
Ballabgarh	400	421	04:00	404	10:53	0.0	0.0	0.7	0.0
Bawana	400	418	04:03	402	10:52	0.0	0.0	0.0	0.0
Bassi	400	425	04:01	410	10:52	0.0	0.0	20.6	0.0
Hissar	400	414	04:02	399	10:53	0.0	0.0	0.0	0.0
Moga	400	410	03:50	397	11:22	0.0	0.0	0.0	0.0
Abdullapur	400	414	04:02	382	21:18	0.0	4.9	0.0	0.0
Nalagarh	400	417	04:00	404	14:25	0.0	0.0	0.0	0.0
Kishenpur	400	413	03:47	404	11:07	0.0	0.0	0.0	0.0
Wagoora	400	408	04:02	387	14:16	0.0	9.0	0.0	0.0
Amritsar	400	412	03:54	393	07:28	0.0	0.0	0.0	0.0
Kashipur	400	419	04:00	228	10:57	48.8	48.8	0.0	0.0
Hamirpur	400	402	00:00	402	00:00	0.0	0.0	0.0	0.0
Rishikesh	400	406	00:53	379	12:47	0.1	3.0	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	779	04:01	751	10:56	0.0	0.0	0.0	0.0
Balia	765	757	00:00	757	00:00	0.0	0.0	0.0	0.0
Moga	765	788	04:01	762	10:53	0.0	0.0	0.0	0.0
Agra	765	796	18:03	765	10:56	0.0	0.0	0.0	0.0
Bhiwani	765	796	03:49	768	10:57	0.0	0.0	0.0	0.0
Unnao	765	767	06:02	748	14:42	0.0	0.0	0.0	0.0
Lucknow	765	785	04:03	757	14:42	0.0	0.0	0.0	0.0
Meerut	765	803	04:00	771	10:53	0.0	0.0	3.0	0.0
Jhatikara	765	795	03:56	769	10:52	0.0	0.0	0.0	0.0
Bareilly	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	760	00:00	760	00:00	0.0	0.0	0.0	0.0
Phagi	765	789	18:01	762	00:49	0.0	0.0	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	507.67	1440.82	507.24	1411.35	2113.26	1166.48
Pong	426.72	384.05	421.21	946.20	410.07	494.27	2234.76	525.16
Tehri	829.79	740.04	809.00	782.78	807.95	763.00	935.73	573.00
Koteshwar	612.50	598.50	610.20	4.69	610.85	4.95	573.00	549.26
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	532.51	355.07
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	524.62	10.70	519.11	11.01	559.14	415.46

* 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	1683	160	0	1532	60	0	40.11	2.26	42.37
Delhi	375	272	-2	550	12	-2	10.97	5.74	16.71
Haryana	1631	257	0	1683	247	0	39.36	2.59	41.96
HP	-1214	-320	0	-998	-323	0	-25.10	-8.31	-33.41
J&K	-741	-95	0	-489	15	0	-13.44	-1.41	-14.85
CHD	0	-20	0	0	10	0	0.24	0.00	0.23
Rajasthan	-495	367	2	-495	523	2	-11.89	11.49	-0.40
UP	1019	0	0	669	0	0	16.64	0.00	16.64
Uttarakhand	-345	-150	0	-255	7	0	-6.98	-1.93	-8.91
Total	1914	470	0	2196	551	0	49.90	10.44	60.34

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1761	1532	172	58	0	0
Delhi	802	112	674	-25	0	-2
Haryana	1683	1631	270	-320	0	0
HP	-913	-1251	-300	-441	0	0
J&K	-489	-741	15	-171	0	0
CHD	30	0	20	-25	0	0
Rajasthan	-495	-495	665	122	2	0
UP	1035	505	0	0	0	0
Uttarakhand	-255	-345	13	-151	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 12.08.2015 :

XIV. Synchronisation of new generating units :

XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

765 Gwalior-Phagi-I line first time charged at 20.25Hr/12.08.15

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :