



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	1260	980	24.66	1027
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	460	290	8.56	356
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	903	919	19.72	822
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1368	939	26.73	1114
	Talwandi Saboo (1*660)	660	475	345	9.52	397
	<b>Thermal (Total)</b>	<b>4680</b>	<b>4466</b>	<b>3473</b>	<b>89.18</b>	<b>3716</b>
	Total Hydro	1148	697	636	15.44	643
	<b>Total Punjab</b>	<b>5828</b>	<b>5163</b>	<b>4109</b>	<b>104.62</b>	<b>4359</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	531	566	11.81	492
Faridabad GPS (NTPC)		432	184	174	4.27	178
RGTPP (Khedar) (IPP) (2*600)		1200	575	0	6.69	279
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	615	1232	21.35	890
<b>Thermal (Total)</b>		<b>4944</b>	<b>1905</b>	<b>1972</b>	<b>44.12</b>	<b>1838</b>
Total Hydro		62	30	30	0.74	31
<b>Total Haryana</b>		<b>5006</b>	<b>1935</b>	<b>2002</b>	<b>44.85</b>	<b>1869</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	626	829	19.06
	suratgarh TPS (6*250)	1500	1072	854	23.69	987
	Chabra TPS (4*250)	1000	440	427	10.71	446
	Dholpur GPS (3*110)	330	78	73	1.87	78
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	54	55	1.33	55
	RAPS A (NPC) (1*100+1*200)	300	136	138	3.35	140
	Barsingar (NLC) (2*125)	250	95	95	2.19	91
	Giral LTPS (2*125)	250	75	70	1.85	77
	Rajwest LTPS (IPP) (8*135)	1080	698	721	15.94	664
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	460	455	11.21	467
	Kawai(Adani) (2*660)	1320	594	618	14.33	597
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4328</b>	<b>4335</b>	<b>106</b>	<b>4397</b>
	Total Hydro	550	0	0	0.38	16
	Wind power	2798	72	533	1.87	78
	Biomass	99	21	21	0.50	21
	Solar	730	3	0	0.77	32
	Renewable/Others (Total)	3627	96	554	3.15	131
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4424</b>	<b>4889</b>	<b>109.05</b>	<b>4544</b>
	UP	Anpara TPS (3*210+2*500)	1630	1356	1332	31.90
Obra TPS (2*50+2*94+5*200)		1194	316	450	9.40	392
Paricha TPS (2*110+2*220+2*250)		1140	801	751	18.80	783
Panki TPS (2*105)		210	149	140	3.40	142
Harduaganj TPS (1*60+1*105+2*250)		665	529	517	11.80	492
Tanda TPS (NTPC) (4*110)		440	365	376	8.90	371
Roza TPS (IPP) (4*300)		1200	14	1049	24.30	1013
Anpara-C (IPP) (2*600)		1200	1049	1080	25.00	1042
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	404	404	9.50	396
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	0	0	0.00	0
<b>Thermal (Total)</b>		<b>9289</b>	<b>4983</b>	<b>6099</b>	<b>143</b>	<b>5958</b>
Vishnuparyag HPS (IPP)(including Alakanada)		400	681	609	15.80	658
Other Hydro		527	61	124	2.50	104
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11197</b>	<b>5845</b>	<b>6952</b>	<b>164.20</b>	<b>6183</b>
Uttarakhand	Total Hydro	1398	805	733	19.08	795
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>805</b>	<b>733</b>	<b>19.08</b>	<b>795</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	77	76	1.68	70
	Pragati Gas Turbine (2x104+ 1x122)	330	264	264	6.40	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	272	271	6.49	271
	Badarpur TPS (NTPC) (3*95+2*210)	705	382	365	7.91	330
	<b>Thermal (Total)</b>	<b>2917</b>	<b>995</b>	<b>975</b>	<b>22.48</b>	<b>937</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>995</b>	<b>975</b>	<b>22.48</b>	<b>937</b>
HP	Baspa HPS (IPP) (2*100)	300	330	330	7.91	329
	Malana HPS (IPP) (2*43)	86	55	51	1.24	52
	Other Hydro	728	481	467	11.24	468
	<b>Total HP</b>	<b>1114</b>	<b>866</b>	<b>848</b>	<b>20.39</b>	<b>849</b>
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	436	171	201	4.52	188
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>621</b>	<b>651</b>	<b>15.32</b>	<b>638</b>
<b>Total State Control Area Generation</b>		<b>41007</b>	<b>20654</b>	<b>21159</b>	<b>499.98</b>	<b>20174</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6015</b>	<b>6157</b>	<b>148.12</b>	<b>6172</b>
<b>Total Regional Availability(Gross)</b>		<b>65979</b>	<b>47655</b>	<b>45871</b>	<b>1105.64</b>	<b>45410</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10171	8565	216.59	9024
State Control Area Hydro	5684	3080	3022	89.65	3077
<b>Total Regional Hydro</b>	<b>17654</b>	<b>13251</b>	<b>11587</b>	<b>306.23</b>	<b>12101</b>

**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	350	400	0	6.76	0.00	6.76
Gwalior-Agra (D/C)	2424	2269	2477	0	54.77	0.00	54.77
Zerda-Kankroli	-38	-87	0	138	0.00	1.98	-1.98
Zerda-Bhinmal	7	-62	88	128	0.00	0.62	-0.62
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00
Badod-Kota/Morak	52	13	33	20	0.00	0.53	-0.53
Mundra-Mohinderqarh(HVDC)	2497	2503	2509	0	60.46	0.00	60.46
Vindhychal - Rihand	443	482	500	0	11.37	0.00	11.37
<b>Sub Total WR</b>	<b>5735</b>	<b>5468</b>			<b>133.36</b>	<b>3.13</b>	<b>130.23</b>
Pusaui Bypass	400	400	400	0	9.03	0.00	9.03
MZP- GKP (D/C)	-110	59	223	113	1.15	0.00	1.15
Patna-Balia(D/C)	88	144	233	0	3.62	0.00	3.62
B'Sharif-Balia (D/C)	-154	-60	0	154	0.00	1.79	-1.79
Pusaui-Balia	-89	-34	0	115	0.00	0.36	-0.36
Gaya-Fatehpur (765 Kv)	0	0	0	0	0.00	0.00	0.00
Pusaui-Sahupuri	128	140	187	0	3.61	0.00	3.61
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-47	-43	0	47	0.00	0.84	-0.84
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-146	-117	63	208	0.00	1.47	-1.47
Barh -GKP (D/C)	210	200	266	0	4.94	0.00	4.94
<b>Sub Total ER</b>	<b>280</b>	<b>689</b>			<b>22.34</b>	<b>4.45</b>	<b>17.89</b>
<b>Total IR Exch</b>	<b>6015</b>	<b>6157</b>			<b>155.70</b>	<b>7.58</b>	<b>148.12</b>

**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
27.85	1.97	29.82	17.61	1.11	-0.34	0.00	0.64	-0.64

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
47.73	103.15	150.87	17.89	130.23	148.12	-29.84	27.08	-2.76

**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	-24	-25	0	32	0	1	-0.54

**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	0.88	6.54	22.92	65.55	65.56	9.87	1.71	0.00	NA

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					
50.18	5.04	49.65	19.40	49.96	0.10	0.09	50.20	49.80

**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	400	05:03	395	22:30	0.0	0.0	0.0	0.0
Gorakhpur	400	415	05:07	396	10:59	0.0	0.0	0.0	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.7	0.0	0.0
Kanpur	400	409	05:05	394	12:52	0.0	0.0	0.0	0.0
Dadri	400	410	05:06	392	14:51	0.0	0.0	0.0	0.0
Ballabgarh	400	415	05:06	394	14:58	0.0	0.0	0.0	0.0
Bawana	400	412	05:04	396	14:20	0.0	0.0	0.0	0.0
Bassi	400	416	20:43	400	09:16	0.0	0.0	0.0	0.0
Hissar	400	401	05:08	386	14:52	0.0	9.3	0.0	0.0
Moga	400	408	05:02	394	14:20	0.0	0.0	0.0	0.0
Abdullapur	400	411	05:05	396	19:50	0.0	0.0	0.0	0.0
Nalagarh	400	407	05:03	392	14:28	0.0	0.0	0.0	0.0
Kishenpur	400	414	03:57	396	21:13	0.0	0.0	0.0	0.0
Wagoora	400	408	03:17	372	21:13	9.1	15.4	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	764	05:06	729	14:57	0.0	35.0	0.0	0.0
Balia	765	770	05:07	734	22:16	0.0	11.2	0.0	0.0
Moga	765	782	05:05	754	14:51	0.0	0.0	0.0	0.0
Agra	765	778	05:08	745	14:56	0.0	0.0	0.0	0.0
Bhiwani	765	785	05:07	756	14:20	0.0	0.0	0.0	0.0
Unnao	765	752	05:05	725	11:19	6.0	79.6	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	486.88	636.01	483.57	552.50	892.09	962.77
Pong	426.72	384.05	405.63	361.16	401.59	259.17	106.84	203.37
Tehri	829.79	740.04	741.75	9.00	743.25	14.17	263.60	235.00
Koteshwar	612.50	598.50	610.78	4.96	609.96	4.44	235.00	234.00
Chamera-I	760.00	748.75	751.16	0.00	0.00	0.00	333.23	291.01
Rihand	268.22	252.98	837.90	91.80	841.10	131.20	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	522.12	6.43	521.14	9.49	308.29	266.28

\* 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	1007	6	0	957	0	0	25.65	0.82	26.47
Delhi	496	-53	-25	275	212	-25	9.02	5.11	14.14
Haryana	1025	16	0	1009	202	0	25.05	-1.85	23.20
HP	-1034	-192	0	-832	-253	0	-21.43	-4.86	-26.28
J&K	-540	-42	0	-434	-17	0	-11.50	-0.79	-12.29
CHD	0	0	0	0	0	0	0.24	0.20	0.44
Rajasthan	-357	590	2	-379	131	2	-7.91	10.68	2.77
UP	700	0	0	643	0	0	14.20	0.00	14.20
Uttarakhand	40	79	23	33	157	23	1.16	2.67	3.83
<b>Total</b>	<b>1337</b>	<b>404</b>	<b>-1</b>	<b>1274</b>	<b>431</b>	<b>-1</b>	<b>34.49</b>	<b>11.98</b>	<b>46.47</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1260	957	121	0	0	0
Delhi	564	232	659	-113	0	-25
Haryana	1104	1009	224	-444	0	0
HP	-832	-1034	-134	-354	0	0
J&K	-424	-599	106	-42	0	0
CHD	30	0	54	0	0	0
Rajasthan	-243	-379	963	-5	2	0
UP	933	471	0	0	0	0
Uttarakhand	74	33	157	0	25	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 18.06.2015 :**  
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 :**