



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	210	160	4.05	169
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	90	90	2.14	89
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	416	379	9.22	384
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	360	360	9.30	388
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1076</b>	<b>989</b>	<b>24.71</b>	<b>1030</b>
	Total Hydro	1148	808	836	19.79	824
	<b>Total Punjab</b>	<b>5828</b>	<b>1884</b>	<b>1825</b>	<b>44.49</b>	<b>1854</b>
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	665	612	14.55	606
	DCRTPP (Yamuna nagar) (2*300)	600	266	238	5.79	241
	Faridabad GPS (NTPC)	432	184	175	4.51	188
	RGTPP (kheadar) (IPP) (2*600)	1200	499	372	9.74	406
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	558	377	10.05	419
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2172</b>	<b>1774</b>	<b>44.63</b>	<b>1860</b>
	Total Hydro	62	29	25	0.67	28
	<b>Total Haryana</b>	<b>5006</b>	<b>2201</b>	<b>1799</b>	<b>45.30</b>	<b>1888</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	523	547	13.35
suratgarh TPS (6*250)		1500	559	674	15.47	645
Chabra TPS (4*250)		1000	378	298	8.71	363
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	134	141	3.51	146
RAPS A (NPC) (1*100+1*200)		300	142	143	3.51	146
Barsingsar (NLC) (2*125)		250	184	190	4.39	183
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	659	839	19.35	806
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(1*600)		600	450	442	10.68	445
Kawai(Adani) (2*660)		1320	872	1120	27.44	1143
<b>Thermal (Total)</b>		<b>8276</b>	<b>3901</b>	<b>4394</b>	<b>106</b>	<b>4433</b>
Total Hydro		550	0	0	0.11	5
Wind power		2798	588	29	3.28	137
Biomass		99	18	18	0.44	18
Solar		730	0	0	0.19	8
Renewable/Others (Total)		3627	606	47	3.91	163
<b>Total Rajasthan</b>		<b>12453</b>	<b>4507</b>	<b>4441</b>	<b>110.41</b>	<b>4601</b>
UP		Anpara TPS (3*210+2*500)	1630	1373	1340	31.40
	Obra TPS (2*50+2*94+5*200)	1194	458	437	10.50	438
	Paricha TPS (2*110+2*220+2*250)	1140	666	612	14.80	617
	Panki TPS (2*105)	210	54	117	2.50	104
	Harduaganj TPS (1*60+1*105+2*250)	665	225	223	5.20	217
	Tanda TPS (NTPC) (4*110)	440	385	382	9.00	375
	Roza TPS (IPP) (4*300)	1200	1062	765	21.10	879
	Anpara-C (IPP) (2*600)	1200	1089	1080	25.20	1050
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	227	227	5.10	213
	Anpara-D	500	88	78	1.90	79
	<b>Thermal (Total)</b>	<b>8629</b>	<b>5627</b>	<b>5261</b>	<b>127</b>	<b>5279</b>
	Vishnuparyag HPS (IPP)(including Alaknanda)	400	317	300	7.00	292
	Other Hydro	527	64	51	1.50	63
	Cogeneration	981	120	120	2.90	121
	<b>Total UP</b>	<b>10537</b>	<b>6128</b>	<b>5732</b>	<b>138.10</b>	<b>5463</b>
Uttarakhand	Total Hydro	1398	765	718	17.14	714
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>765</b>	<b>718</b>	<b>17.14</b>	<b>714</b>
Delhi	Rajghat TPS (2*67.5)	135	47	51	1.27	53
	Delhi Gas Turbine (6x30 + 3x34)	282	111	115	2.71	113
	Praagati Gas Turbine (2x104+ 1x122)	330	271	273	6.65	277
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	271	271	6.52	272
	Badarpur TPS (NTPC) (3*95+2*210)	705	382	390	8.19	341
	<b>Thermal (Total)</b>	<b>2917</b>	<b>1082</b>	<b>1098</b>	<b>25.33</b>	<b>1055</b>
<b>Total Delhi</b>	<b>2917</b>	<b>1082</b>	<b>1098</b>	<b>25.33</b>	<b>1055</b>	
HP	Baspa HPS (IPP) (2*150)	300	215	176	5.34	222
	Malana HPS (IPP) (2*43)	86	85	45	1.43	60
	Other Hydro	728	507	540	12.68	528
	<b>Total HP</b>	<b>1114</b>	<b>807</b>	<b>761</b>	<b>19.45</b>	<b>810</b>
J & K	Baglihar HPS (IPP) (3*150)	450	436	440	10.55	440
	Other Hydro/IPP	436	163	145	3.77	157
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>599</b>	<b>585</b>	<b>14.32</b>	<b>597</b>
<b>Total State Control Area Generation</b>		<b>40347</b>	<b>17973</b>	<b>16959</b>	<b>414.54</b>	<b>16981</b>
<b>J. Net Inter Regional Exchange (import +ve)/Export (-ve)</b>			<b>4068</b>	<b>2562</b>	<b>79.95</b>	<b>3331</b>
<b>Total Regional Availability(Gross)</b>		<b>65319</b>	<b>40627</b>	<b>36054</b>	<b>907.02</b>	<b>37501</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	9666	7878	204.422916	8518
State Control Area Hydro	5684	3072	2976	79.97	3040
<b>Total Regional Hydro</b>	<b>17654</b>	<b>12738</b>	<b>10854</b>	<b>284.39</b>	<b>11558</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	-100	-100	50	400	0.18	3.89	-3.71		
Gwalior-Agra (D/C)	978	762	1501	0	24.12	0.00	24.12		
Zerda-Kankroli	-32	-332	0	332	0.00	5.69	-5.69		
Zerda-Bhinmal	4	-285	29	302	0.00	4.30	-4.30		
Malanpur-Auraiya	-19	-28	0	28	0.00	0.37	-0.37		
Badod-Kota/Morak	-38	-78	40	66	0.00	0.81	-0.81		
Mundra-Mohinderghar(HVDC)	2001	1997	2505	0	50.09	0.00	50.09		
Vindhychal - Rihand	462	437	485	0	10.99	0.00	10.99		
<b>Sub Total WR</b>	<b>3256</b>	<b>2373</b>			<b>85.38</b>	<b>15.05</b>	<b>70.33</b>		
Pusaui Bypass	-345	-441	0	481	0.00	9.33	-9.33		
MZP- GKP (D/C)	226	122	305	0	3.67	0.00	3.67		
Patna-Balia(D/C)	411	70	492	0	4.60	0.00	4.60		
B'Sharif-Balia (D/C)	53	83	154	0	2.17	0.00	2.17		
Pusaui-Balia	197	99	229	0	1.62	0.00	1.62		
Gaya-Fatehpur (765 Kv)	0	33	118	1	1.00	0.00	1.00		
Pusaui-Sahupuri	131	204	213	0	4.12	0.00	4.12		
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
Son Ngr-Rihand	0	-27	35	41	0.00	0.79	-0.79		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 KV)	139	46	273	0	2.56	0.00	2.56		
<b>Sub Total ER</b>	<b>812</b>	<b>189</b>			<b>19.74</b>	<b>10.12</b>	<b>9.62</b>		
<b>Total IR Exch</b>	<b>4068</b>	<b>2562</b>			<b>105.12</b>	<b>25.17</b>	<b>79.95</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	
	23.91	1.50	25.42	3.38	-7.38	2.47	2.32	0.77	-0.77

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incld Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
32.04	53.87	85.91	9.62	70.33	79.95	-22.42	16.46	-5.96

**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 - Mahendarnagar	-36	-38	0	44	0	1	-0.92		

**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	1.61	12.70	50.12	69.42	13.83	4.43	0.23	NA

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev. (Hz)	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	49.99	0.06	0.08	50.18	49.88
50.22	18.03	49.74	22.07					

**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	404	09:15	403	00:00	0.0	0.0
Gorakhpur	400	415	06:46	391	20:06	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	419	04:02	398	20:04	0.0	0.0	0.0	0.0
Dadri	400	427	03:08	404	22:17	74.4	74.4	3.2	0.0
Ballabgarh	400	428	04:00	405	22:18	0.0	0.0	31.2	0.0
Bawana	400	424	04:00	406	22:15	0.0	0.0	20.3	0.0
Bassi	400	421	18:08	396	22:17	0.0	0.0	0.0	0.0
Hissar	400	413	04:02	395	22:17	0.0	0.0	0.0	0.0
Moga	400	420	03:01	406	14:38	0.0	0.0	0.0	0.0
Abdullapur	400	420	02:59	396	22:19	0.0	0.0	0.0	0.0
Nalagarh	400	422	03:34	405	14:40	0.0	0.0	8.5	0.0
Kishenpur	400	420	02:45	407	20:17	0.0	0.0	0.0	0.0
Wagoora	400	412	03:30	384	20:16	0.0	3.6	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	04:03	704	20:12	8.6	8.7
Balia	765	772	07:05	727	16:47	0.1	6.5	0.0	0.0
Moga	765	804	04:03	774	22:19	0.0	0.0	8.1	0.0
Agra	765	793	04:04	751	14:25	0.0	0.0	0.0	0.0
Bhiwani	765	805	03:33	773	22:17	0.0	0.0	11.2	0.0
Unnao	765	769	04:03	736	20:13	0.0	7.4	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 <sup>3</sup> /s)	Usage (m <sup>3</sup> /s)
Bhakra	513.59	445.62	486.32	627.57	481.53	495.33	750.23	647.72
Pong	426.72	384.05	405.37	352.07	403.18	296.79	181.45	144.61
Tehri	829.79	740.04	755.95	91.00	749.60	47.50	140.89	338.00
Koteswar	612.50	598.50	611.05	4.95	610.55	4.84	338.00	296.00
Chamera-I	760.00	748.75	754.58	0.00	0.00	0.00	349.66	352.30
Rihand	268.22	252.98	840.50	123.70	846.40	200.80	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	523.62	10.76	520.51	3.87	528.79	416.75

\* 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	197	499	0	190	0	0	7.35	6.95	14.30
Delhi	372	44	0	325	296	0	8.80	5.06	13.86
Haryana	68	214	0	135	195	0	2.01	4.46	6.47
HP	-611	-354	0	-509	-472	0	-13.91	-9.34	-23.25
J&K	-542	-76	0	-304	-15	0	-9.45	-0.34	-9.79
CHD	0	0	0	0	0	0	0.24	0.03	0.27
Rajasthan	-121	-45	2	-117	673	2	-2.85	13.84	10.98
UP	850	0	0	417	0	0	12.56	0.00	12.56
Uttarakhand	74	3	0	74	63	0	1.76	0.80	2.56
<b>Total</b>	<b>287</b>	<b>284</b>	<b>2</b>	<b>209</b>	<b>740</b>	<b>2</b>	<b>6.51</b>	<b>21.45</b>	<b>27.96</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	492	190	556	0	0	0
Delhi	462	182	669	-69	0	0
Haryana	135	64	231	9	0	0
HP	-307	-991	-354	-472	0	0
J&K	-263	-542	59	-127	0	0
CHD	30	0	20	0	0	0
Rajasthan	-117	-121	873	-45	2	2
UP	897	333	0	0	0	0
Uttarakhand	74	74	104	2	0	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 14.05.2015 :****XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :**  
0.00**XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**