



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	160	160	3.61	150	
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	0	0	-0.05	-2	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	180	180	3.90	162	
	Goindwall(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	350	350	9.77	407	
	Talwandi Saboo (1*660)	660	342	340	7.22	301	
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1032</b>	<b>1030</b>	<b>24.45</b>	<b>1019</b>	
	Total Hydro	1148	251	283	6.36	265	
	<b>Total Punjab</b>	<b>5828</b>	<b>1283</b>	<b>1313</b>	<b>30.81</b>	<b>1284</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0	
	DCRTPP (Yamuna nagar) (2*300)	600	238	240	5.59	233	
	Faridabad GPS (NTPC)	432	200	200	4.72	197	
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	767	744	18.97	790	
	<b>Thermal (Total)</b>	<b>4944</b>	<b>1205</b>	<b>1184</b>	<b>29.27</b>	<b>1219</b>	
	Total Hydro	62	21	21	0.62	26	
	<b>Total Haryana</b>	<b>5006</b>	<b>1226</b>	<b>1205</b>	<b>29.89</b>	<b>1245</b>	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	367	560	9.45	394	
	suratgarh TPS (6*250)	1500	390	380	9.57	399	
	Chabra TPS (3*250)	750	579	589	14.06	586	
	Dholpur GPS (3*110)	330	0	0	0.00	0	
	Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)	271	220	224	5.49	229	
	RAPS A (NPC) (1*100+1*200)	300	0	150	1.60	67	
	Barsingar (NLC) (2*125)	250	182	88	3.22	134	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	776	442	16.27	678	
	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	0	0	0.00	0	
	<b>Thermal (Total)</b>	<b>8026</b>	<b>2514</b>	<b>2433</b>	<b>60</b>	<b>2486</b>	
	Total Hydro	550	23	23	0.60	25	
	Wind power	2798	728	125	6.70	279	
	Biomass	99	28	28	0.66	28	
	Solar	730	1	0	0.11	5	
	Renewable/Others (Total)	3627	757	153	7.47	311	
	<b>Total Rajasthan</b>	<b>12203</b>	<b>3294</b>	<b>2609</b>	<b>67.72</b>	<b>2822</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1376	1313	31.70	1321
		Obra TPS (2*50+2*94+5*200)	1194	337	326	7.80	325
Paricha TPS (2*110+2*220+2*250)		1140	587	592	14.00	583	
Panki TPS (2*105)		210	126	122	2.90	121	
Harduaganj TPS (1*60+1*105+2*250)		665	407	369	8.30	346	
Tanda TPS (NTPC) (4*110)		440	280	299	7.30	304	
Roza TPS (IPP) (4*300)		1200	194	196	4.70	196	
Anpara-C (IPP) (2*600)		1200	1092	806	20.50	854	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
<b>Thermal (Total)</b>		<b>8129</b>	<b>4399</b>	<b>4023</b>	<b>97.20</b>	<b>4050</b>	
Vishnuparyag HPS (IPP)		400	78	71	1.70	71	
Other Hydro		527	43	50	1.00	42	
Cogeneration		981	800	800	19.20	800	
<b>Total UP</b>		<b>10037</b>	<b>5320</b>	<b>4944</b>	<b>119.10</b>	<b>4892</b>	
Uttarakhand		Total Hydro	1398	459	315	9.09	379
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>459</b>	<b>315</b>	<b>9.09</b>	<b>379</b>
Delhi	Raighat TPS (2*67.5)	135	43	41	0.96	40	
	Delhi Gas Turbine (6x30 + 3x34)	282	83	81	1.94	81	
	Pragati Gas Turbine (2x104+ 1x122)	330	158	158	3.84	160	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (6*250)	1370	309	301	7.18	299	
	Badarpur TPS (NTPC) (3*95+2*210)	705	157	156	3.71	154	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>750</b>	<b>737</b>	<b>17.63</b>	<b>735</b>	
<b>Total Delhi</b>	<b>2917</b>	<b>750</b>	<b>737</b>	<b>17.63</b>	<b>735</b>		
HP	Baspa HPS (IPP) (2*150)	300	31	0	0.80	33	
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9	
	Other Hydro	728	316	231	6.43	268	
	<b>Total HP</b>	<b>1114</b>	<b>347</b>	<b>231</b>	<b>7.44</b>	<b>310</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	296	216	5.67	236	
	Other Hydro/IPP	436	65	0	1.46	61	
	Gas/Diesel/Others	209	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1094</b>	<b>361</b>	<b>216</b>	<b>7.13</b>	<b>297</b>	
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>13040</b>	<b>11570</b>	<b>288.82</b>	<b>11963</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>2544</b>	<b>1551</b>	<b>75.60</b>	<b>3150</b>	
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>32272</b>	<b>22326</b>	<b>629.79</b>	<b>26170</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	8338	1603	78.49	3270
State Control Area Hydro	5684	1505	1139	33.95	1344
<b>Total Regional Hydro</b>	<b>17116</b>	<b>9843</b>	<b>2742</b>	<b>112.44</b>	<b>4614</b>

**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	Import	Export	
	Vindhyachal B/B	-350	-350	0	500	0.00	8.71	-8.71	
Gwalior-Agra (D/C)	767	884	1986	0	32.03	0.00	32.03		
Zerda-Kankroli	-217	-485	485	0	0.00	7.07	-7.07		
Zerda-Bhinmal	-185	-387	0	414	0.00	5.56	-5.56		
Malanpur-Auraiya	20	18	0	28	0.00	0.27	-0.27		
Badod-Kota/Morark	-2	-133	0	0	-0.40	0.00	-0.40		
Mundra-Mohinderghar(HVDC)	1702	1500	1705	0	38.34	0.00	38.34		
Vindhyachal - Rihand	324	170	497	0	9.16	0.00	9.16		
<b>Sub Total WR</b>	<b>2059</b>	<b>1217</b>			<b>79.13</b>	<b>21.60</b>	<b>57.52</b>		
Pusauli Bypass	200	200	200	0	4.72	0.00	4.72		
MZP- GKP (D/C)	-8	105	279	274	0.00	0.17	-0.17		
Patna-Balia(D/C)	631	677	850	0	17.30	0.00	17.30		
B'Sharif-Balia (D/C)	-225	-374	0	379	0.00	4.81	-4.81		
Pusauli-Balia	-45	-37	123	63	0.13	0.00	0.13		
Gaya-Fatehpur (765 Kv)	12	-54	210	54	2.04	0.00	2.04		
Pusauli-Sahupuri	183	197	206	0	3.92	0.00	3.92		
K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48		
Son Ngr-Rihand	-39	-43	0	46	0.00	0.90	-0.90		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 KV)	-224	-337	20	341	0.00	3.69	-3.69		
<b>Sub Total ER</b>	<b>485</b>	<b>334</b>			<b>28.12</b>	<b>10.04</b>	<b>18.07</b>		
<b>Total IR Exch</b>	<b>2544</b>	<b>1551</b>			<b>107.24</b>	<b>31.64</b>	<b>75.60</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
22.19	0.15	22.34	4.99	-2.08	0.10	12.51	0.56	-0.56

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
27.99	51.63	79.62	18.07	57.52	75.60	-9.92	5.89	-4.02

**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	0.49	9.44	39.44	64.44	20.28	6.04	0.76	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	Hz				
50.26	18.32	49.76	21.05	50.01	0.05	0.07	50.24	49.96

**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	410	01:43	401	09:11	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	426	23:28	397	07:25	0.0	0.0	25.5	0.0
Kanpur	400	425	01:59	408	09:17	0.0	0.0	21.1	0.0
Dadri	400	0	00:00	9999	00:00	100.0	100.0	0.0	0.0
Ballabgarh	400	436	01:51	413	09:16	0.0	0.0	68.5	24.0
Bawana	400	432	02:00	409	19:16	0.0	0.0	44.2	4.4
Bassi	400	436	01:59	398	19:16	0.0	0.0	39.9	19.9
Hissar	400	424	02:00	399	19:09	0.0	0.0	18.3	0.0
Moga	400	428	23:29	406	19:05	0.0	0.0	33.1	0.0
Abdullapur	400	430	01:45	396	19:14	0.0	0.0	30.3	0.0
Nalagarh	400	434	03:03	409	19:16	0.0	0.0	69.6	15.4
Kishenpur	400	228	03:55	214	19:02	100.0	100.0	0.0	0.0
Wagoora	400	402	04:28	374	18:58	5.4	25.1	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	783	02:00	741	19:17	0.0	0.1	0.0	0.0
Balia	765	771	23:58	744	19:16	0.0	0.0	0.0	0.0
Moga	765	811	23:29	768	19:13	0.0	0.0	23.4	0.0
Agra	765	799	02:00	754	09:17	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	766	23:29	738	09:17	0.0	7.0	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	481.12	481.64	485.32	593.99	172.79	328.53
Pong	426.72	384.05	401.52	252.05	403.77	312.39	114.26	11.41
Tehri	829.79	740.04	779.40	315.00	784.95	385.00	44.08	184.00
Koteshwar	612.50	598.50	610.87	5.01	610.83	4.99	184.00	190.00
Chamera-I	760.00	748.75	757.86	0.00	0.00	0.00	136.05	80.64
Rihand	268.22	252.98	847.20	212.40	850.80	268.30	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	505.42	3.08	509.67	3.14	174.70	137.16

\* 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	-328	37	0	-284	260	0	-7.14	4.86	-2.28
Delhi	-718	-185	-3	-522	74	-15	-13.09	0.19	-12.90
Haryana	6	-152	0	15	107	0	-0.38	-0.33	-0.71
HP	287	-113	0	90	-313	0	5.86	-4.06	1.80
J&K	552	-306	0	331	0	0	9.95	-3.17	6.78
CHD	0	-20	0	0	0	0	0.00	-0.14	-0.14
Rajasthan	0	667	-11	0	571	-24	0.00	11.14	11.14
UP	158	0	0	148	0	0	2.83	0.00	2.83
Uttarakhand	89	156	0	156	330	49	3.42	6.65	10.07
<b>Total</b>	<b>45</b>	<b>84</b>	<b>-14</b>	<b>-67</b>	<b>1029</b>	<b>9</b>	<b>1.45</b>	<b>15.14</b>	<b>16.59</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-282	-328	388	3	0	0
Delhi	-461	-718	373	-212	-3	-15
Haryana	15	-42	150	-353	0	0
HP	293	90	-6	-778	0	0
J&K	552	331	0	-306	0	0
CHD	0	0	0	-26	0	0
Rajasthan	0	0	670	14	2	-62
UP	195	38	0	0	0	0
Uttarakhand	156	89	345	140	49	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 15.03.2015 :**

Cloudy/Rainfall with thunderstorm in rajasthan

**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 :**