

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सार्वजनिक की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 07.12.2015  
Date of Reporting : 08.12.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
38086	2176	40263	49.99	27962	412	28373	50.11	796.0	38.16

\* Half hourly (two 15 minutes block-one block each before and after the designated time) average frequency

### II. A. State's Load Details (At States periphery) in MUs:

UI [OD:(+ve), UD:(-ve)]

State	State's Control Area Generation (Net MU)				Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages * (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	41.76	11.17		52.93	46.71	46.09	-0.62	99.02	0.00
Haryana	51.12	0.40		51.52	56.00	55.97	-0.03	107.48	0.00
Rajasthan	123.41	4.76	4.55	132.71	75.89	77.69	1.80	210.40	0.00
Delhi	14.28			14.28	44.47	44.02	-0.45	58.30	0.06
UP	110.37	4.83		115.19	100.19	101.05	0.86	216.25	27.31
Uttarakhand		6.66		6.66	24.46	28.79	4.32	35.44	0.97
HP		4.78		4.78	19.04	19.37	0.34	24.15	0.00
J & K		6.81	0.00	6.81	34.90	34.81	-0.09	41.63	9.82
Chandigarh				0.00	3.48	3.34	0.27	3.34	0.00
<b>Total</b>	<b>340.93</b>	<b>39.40</b>	<b>4.55</b>	<b>384.87</b>	<b>405.13</b>	<b>411.13</b>	<b>6.40</b>	<b>796.00</b>	<b>38.16</b>

\* Shortage furnished by the respective constituent.\$ Others include UP Co-generation and JK Diesel

### II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import:(+ve), UD/Export:(-ve)]

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	4412	0	-265	-552	3046	0	121	-187	5029
Haryana	5838	0	7	-240	3191	0	-12	-238	5838
Rajasthan	9258	0	-153	498	8101	0	47	598	9810
Delhi	3138	0	-33	-133	1475	0	-89	-1026	3183
UP	10287	1620	126	-144	8635	130	45	88	10287
Uttarakhand	1792	75	159	424	1176	0	149	367	1826
HP	1257	0	-11	229	655	0	-15	164	1310
J&K	1926	481	133	530	1597	282	-107	645	1926
Chandigarh	178	0	-29	0	86	0	-5	-30	181
<b>Total</b>	<b>38086</b>	<b>2176</b>	<b>-66</b>	<b>612</b>	<b>27962</b>	<b>412</b>	<b>134</b>	<b>380</b>	<b>38086</b>

\* STOA figures are at seller's boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

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### III. Regional Entities :

UI [OG:(+ve), UG:(-ve)]

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1689	1851	1354	38.65	1611	38.04	0.61
	Rihand I STPS (2*500)	1000	863	837	689	17.73	739	17.45	0.28
	Rihand II STPS (2*500)	1000	954	887	697	19.35	806	18.93	0.42
	Rihand III STPS (2*500)	1000	970	956	709	19.94	831	19.75	0.19
	Dadri I STPS (4*210)	840	610	297	278	6.76	282	6.98	-0.21
	Dadri II STPS (2*490)	980	980	331	342	8.55	356	9.10	-0.55
	Unchahar I TPS (2*210)	420	406	323	271	7.12	297	7.42	-0.30
	Unchahar II TPS (2*210)	420	404	307	259	6.92	288	7.16	-0.24
	Unchahar III TPS (1*220)	210	202	153	128	3.55	148	3.57	-0.03
	ISTPP (Jhajjar) (3*500)	1500	1500	607	621	14.12	588	14.35	-0.23
	Dadri GPS (4*130.19+2*154.51)	830	561	580	601	13.94	581	14.39	-0.44
	Anta GPS (3*88.71+1*153.2)	419	415	258	260	6.56	273	6.57	-0.01
	Auraiya GPS (4*111.19+2*109.30)	663	656	296	298	6.89	287	7.03	-0.14
	Dadri Solar	5	1	0	0	0.01	0	0.01	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.02	0.00
	Singrauli Solar	15	2	0	0	0.05	2	0.05	0.00
	<b>Sub Total (A)</b>	<b>12112</b>	<b>10868</b>	<b>8117</b>	<b>6507</b>	<b>173</b>	<b>7201</b>	<b>174</b>	<b>-1</b>
B. NPC	NAPS (2*220)	440	196	223	226	4.83	201	4.70	0.13
	RAPS- B (2*220)	440	394	436	439	9.46	394	9.46	0.00
	RAPS- C (2*220)	440	418	457	458	9.91	413	10.03	-0.12
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1008</b>	<b>1116</b>	<b>1123</b>	<b>24.20</b>	<b>1008</b>	<b>24.19</b>	<b>0.01</b>
C. NHPC	Chamera I HPS (3*180)	540	500	425	0	1.95	81	1.70	0.25
	Chamera II HPS (3*100)	300	294	298	0	1.66	69	1.47	0.19
	Chamera III HPS (3*77)	231	224	161	0	0.90	38	0.78	0.12
	Bairasuli HPS(3*60)	180	175	122	0	0.57	24	0.52	0.04
	Salal-HPS (6*115)	690	182	224	211	4.87	203	4.31	0.55
	Tanakpur-HPS (3*40)	94	24	30	27	0.69	29	0.58	0.11
	Uri-I HPS (4*120)	480	207	318	145	5.29	220	4.95	0.34
	Uri-II HPS (4*60)	240	122	196	123	3.07	128	2.93	0.14
	Dhauliganga-HPS (4*70)	280	140	68	0	1.08	45	1.00	0.08
	Dulhasti-HPS (3*130)	390	387	402	0	3.54	148	3.40	0.14
	Sewa-II HPS (3*40)	120	0	0	0	0.00	0	0.00	0.00
	Parbati 3 (4*130)	520	130	129	0	0.81	34	0.49	0.32
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2424</b>	<b>2373</b>	<b>506</b>	<b>24</b>	<b>1018</b>	<b>22</b>	<b>2</b>
	D.SJVNL	NJPC (6*250)	1500	1371	1362	0	7.93	330	7.70
Rampur HEP (6*68.67)		412	370	372	0	2.25	94	2.14	0.11
<b>Sub Total (D)</b>		<b>1912</b>	<b>1741</b>	<b>1734</b>	<b>0</b>	<b>10.18</b>	<b>424</b>	<b>9.83</b>	<b>0.34</b>
E. THDC	Tehri HPS (4*250)	1000	1024	911	0	5.96	248	5.80	0.16
	Koteshwar HPS (4*100)	400	92	100	91	2.23	93	2.20	0.03
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1116</b>	<b>1011</b>	<b>91</b>	<b>8.19</b>	<b>341</b>	<b>8.00</b>	<b>0.19</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	652	1207	376	15.84	660	15.65	0.19
	Dehar HPS (6*165)	990	139	495	0	3.45	144	3.33	0.12
	Pong HPS (6*66)	396	244	324	60	5.91	246	5.87	0.04
	<b>Sub Total (F)</b>	<b>2765</b>	<b>1035</b>	<b>2026</b>	<b>436</b>	<b>25.20</b>	<b>1050</b>	<b>24.84</b>	<b>0.35</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	97	0	0.56	23	0.54	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	650	0	4.18	174	4.08	0.10
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	262	175	5.44	227	5.46	-0.02
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.19	8	0.02	0.17
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1047</b>	<b>175</b>	<b>10.37</b>	<b>432</b>	<b>10.10</b>	<b>0.26</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18192</b>	<b>17424</b>	<b>8838</b>	<b>275.39</b>	<b>11474</b>	<b>272.62</b>	<b>2.76</b>	

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	3.68	154	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	100	2.18	91	
	Guru Har Gobind Singh TPS(L.mbt) (2*210+2*250)	920	202	227	4.88	203	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	694	357	13.29	554	
	Talwandi Saboo (2*660)	1320	668	679	17.74	739	
	<b>Thermal (Total)</b>	<b>5360</b>	<b>1814</b>	<b>1523</b>	<b>41.76</b>	<b>1740</b>	
	Total Hydro	1000	449	421	11.17	465	
	<b>Total Punjab</b>	<b>6360</b>	<b>2263</b>	<b>1944</b>	<b>52.93</b>	<b>2205</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	550	458	11.72	488	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	1109	778	21.37	890	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	739	740	18.03	751	
<b>Thermal (Total)</b>		<b>4944</b>	<b>2398</b>	<b>1976</b>	<b>51.12</b>	<b>2130</b>	
Total Hydro		62	10	11	0.40	17	
<b>Total Haryana</b>		<b>5006</b>	<b>2408</b>	<b>1987</b>	<b>51.52</b>	<b>2147</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1093	1033	26.08	1087
	suratgarh TPS (6*250)	1500	436	409	10.35	431	
	Chabra TPS (4*250)	1000	633	641	14.62	609	
	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	212	209	5.16	215	
	RAPS A (NPC) (1*100+1*200)	300	159	159	3.96	165	
	Barsingar (NLC) (2*125)	250	94	95	2.10	88	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	894	961	21.54	897	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	512	504	12.19	508	
	Kawai(Adani) (2*660)	1320	1206	1200	27.41	1142	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5239</b>	<b>5211</b>	<b>123</b>	<b>5142</b>	
	Total Hydro	550	181	148	4.76	198	
	Wind power	3214	56	29	2.11	88	
	Biomass	99	20	20	0.48	20	
	Solar	730	0	0	1.95	81	
	Renewable/Others (Total)	4043	76	49	4.55	189	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5496</b>	<b>5408</b>	<b>132.71</b>	<b>5530</b>	
	UP	Anpara TPS (3*210+2*500)	1236	1236	1394	30.27	1261
Obra TPS (2*50+2*94+5*200)		1194	447	415	10.38	433	
Paricha TPS (2*110+2*220+2*250)		1140	650	573	15.32	638	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	446	311	9.39	391	
Tanda TPS (NTPC) (4*110)		440	138	138	3.63	151	
Roza TPS (IPP) (4*300)		1200	216	194	4.95	206	
Anpara-C (IPP) (2*600)		1200	1080	639	21.83	910	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0	
Anpara-D(1*500)		500	0	0	0.00	0	
Lalitpur TPS(1*660)		660	0	0	0.00	0	
Bara(1*660)		660	0	0	0.19	8	
<b>Thermal (Total)</b>		<b>9949</b>	<b>4213</b>	<b>3664</b>	<b>96</b>	<b>3999</b>	
Vishnuparyag HPS (IPP)(4*110)		440	100	98	2.33	97	
Alaknanda(4*82.5)		330	61	60	1.45	60	
Other Hydro		527	47	24	1.05	44	
Cogeneration		981	600	600	14.40	600	
<b>Total UP</b>		<b>12227</b>	<b>5021</b>	<b>4446</b>	<b>115</b>	<b>4800</b>	
Uttarakhand		Total Hydro	1398	450	450	6.66	277
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>450</b>	<b>165</b>	<b>6.66</b>	<b>277</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	39	39	0.89	37	
	Pragati Gas Turbine (2x104+ 1x122)	330	157	148	3.69	154	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	270	249	6.16	256	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.57	149	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>631</b>	<b>601</b>	<b>14.28</b>	<b>595</b>	
<b>Total Delhi</b>	<b>2917</b>	<b>631</b>	<b>601</b>	<b>14.28</b>	<b>595</b>		
HP	Baspa HPS (IPP) (3*100)	300	61	71	1.42	59	
	Malana HPS (IPP) (2*43)	86	45	0	0.28	12	
	Other Hydro	878	162	129	3.07	128	
	<b>Total HP</b>	<b>1264</b>	<b>268</b>	<b>200</b>	<b>4.78</b>	<b>199</b>	
J & K	Baglihar HPS (IPP) (3*150)	450	143	300	5.02	209	
	Other Hydro/IPP	560	89	59	1.79	75	
	Gas/Diesel/Others	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1200</b>	<b>232</b>	<b>359</b>	<b>6.81</b>	<b>284</b>	
<b>Total State Control Area Generation</b>		<b>43841</b>	<b>16769</b>	<b>15110</b>	<b>384.87</b>	<b>16036</b>	
<b>J. Net Inter Regional Exchange</b> (Import +ve)/Export (-ve)			<b>6621</b>	<b>5618</b>	<b>162.71</b>	<b>6780</b>	
<b>Total Regional Availability(Gross)</b>		<b>69078</b>	<b>40814</b>	<b>29566</b>	<b>822.97</b>	<b>34290</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	8325	1033	75.39	3141
State Control Area Hydro	6581	1798	1486	39	1642
<b>Total Regional Hydro</b>	<b>18815</b>	<b>10123</b>	<b>2519</b>	<b>114.79</b>	<b>4783</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	
Vindhychal(HVDC B/B)	200		-300		200	300	0.66	3.48	-2.82
765 KV Gwalior-Agra (D/C)	2572		2241		3071	0	64.53	0.00	64.53
400 KV Zerda-Kankroli	-153		-230		0	272	0.00	3.73	-3.73
400 KV Zerda-Bhinmal	-64		-142		107	243	0.00	1.43	-1.43
220 KV Auraiya-Malanpur	-72		-61		0	74	0.00	1.26	-1.26
220 KV Badod-Kota/Morak	-57		-106		0	115	0.00	2.10	-2.10
Mundra-Mohindergarh(HVDC Bipole)	2402		2002		2405	0	53.31	0.00	53.31
400 KV Vindhychal - Rihand	0		0		0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	977		798		1408	0	26.00	0.00	26.00
<b>Sub Total WR</b>	<b>5805</b>		<b>4202</b>				<b>144.49</b>	<b>12.00</b>	<b>132.49</b>
Pusaull Bypass/HVDC	250		250		250	0	6.09	0.00	6.09
400 KV MZP -GKP (D/C)	254		192		206	254	1.92	0.00	1.92
400 KV Patna-Balia(D/C) X 2	373		484		451	0	12.84	0.00	12.84
400 KV B'Sharif-Balia (D/C)	-102		154		196	102	2.14	0.00	2.14
765 KV Gaya-Balia	56		190		284	0	2.00	0.00	2.00
765 KV Gaya-Fatehpur	87		104		390	0	4.34	0.00	4.34
220 KV Pusaull-Sahupuri	148		126		156	0	2.74	0.00	2.74
132 KV K'nasa-Sahupuri	0		0		0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-28		-20		0	32	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-132		-30		207	134	0.41	0.00	0.41
400 KV Barh -GKP (D/C)	410		466		512	0	10.08	0.00	10.08
<b>Sub Total ER</b>	<b>1316</b>		<b>1916</b>				<b>43.04</b>	<b>0.60</b>	<b>42.44</b>
+/- 800 KV BiswanathCharialli-Agra	-500		-500		0	500	0.00	12.22	-12.22
<b>Sub Total NER</b>	<b>-500</b>		<b>-500</b>				<b>0.00</b>	<b>12.22</b>	<b>-12.22</b>
<b>Total IR Exch</b>	<b>6621</b>		<b>5618</b>				<b>187.53</b>	<b>24.81</b>	<b>162.71</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	Total	Through ER	Through WR	Through ER	Through WR
29.49	0.62	30.11	-1.88	-8.83	12.96	21.94	6.03	-6.03	
<b>Total IR Schedule (MU)</b>			<b>Total IR Actual (MU)</b>			<b>Net IR UI (MU)</b>			
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total	
47.22	104.72	151.95	30.22	132.49	162.71	-17.00	27.77	10.77	

**V(C). Inter National Exchange with Nepal [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	
132 KV Tanakpur - Mahendarnagar	-33		-29		0	34	0	1	-0.74

**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	0.06	1.99	16.21	56.92	66.35	12.36	4.77	0.35	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					
50.24	6.02	49.69	7.33	49.98	0.069	0.081	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	404	23:53	397	11:24	0.0	0.0	0.0	0.0
Gorakhpur	400	418	21:44	405	17:45	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	04:31	403	11:21	0.0	0.0	0.1	0.0
Kanpur	400	411	03:01	406	11:21	0.0	0.0	0.5	0.0
Dadri	400	426	02:52	407	11:24	0.0	0.0	33.8	0.0
Ballabgarh	400	432	02:59	412	11:08	0.0	0.0	59.6	3.6
Bawana	400	431	20:14	410	11:09	0.0	0.0	45.9	0.2
Bassi	400	428	20:17	399	08:15	0.0	0.0	11.6	0.0
Hissar	400	426	20:16	402	11:12	0.0	0.0	10.7	0.0
Moga	400	424	02:49	404	11:10	0.0	0.0	22.0	0.0
Abdullapur	400	432	20:14	407	11:23	0.0	0.0	44.6	0.3
Nalagarh	400	436	20:57	410	11:08	0.0	0.0	48.0	24.9
Kishenpur	400	428	02:40	402	18:22	0.0	0.0	21.2	0.0
Wagoora	400	402	03:01	374	18:13	5.6	53.8	0.0	0.0
Amritsar	400	432	02:16	168	09:33	0.0	0.0	44.4	5.3
Kashipur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Hamirpur	400	429	02:16	405	11:09	0.0	0.0	52.9	0.0
Rishikesh	400	0	00:00	9999	00:00	0.0	0.0	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	776	20:14	745	08:33	0.0	0.0	0.0	0.0
Balia	765	761	00:00	761	00:00	0.0	0.0	0.0	0.0
Moga	765	811	20:14	771	11:12	0.0	0.0	22.3	0.0
Agra	765	796	20:14	759	11:21	0.0	0.0	0.0	0.0
Bhiwani	765	810	20:14	771	11:09	0.0	0.0	23.9	0.0
Unnao	765	788	19:27	746	11:21	0.0	0.0	0.0	0.0
Lucknow	765	787	05:02	762	17:46	0.0	0.0	0.0	0.0
Meerut	765	819	20:14	775	11:23	0.0	0.0	27.2	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	784	20:12	765	07:37	0.0	0.0	0.0	0.0
Phagi	765	798	20:15	761	07:51	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 <sup>3</sup> /s)	Usage (m <sup>3</sup> /s)
Bhakra	513.59	445.62	505.48	1325.82	501.77	1166.44	194.42	462.64
Pong	426.72	384.05	414.68	656.23	409.26	474.29	55.05	367.52
Tehri	829.79	740.04	810.30	808.26	816.85	939.25	71.84	140.00
Koteshwar	612.50	598.50	611.18	5.20	610.10	4.69	140.00	147.00
Chamera-I	760.00	748.75	759.46	0.00	0.00	0.00	61.37	52.57
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	504.91	4.25	508.95	1.13	70.04	212.29

\* 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	-517	330	0	-847	296	0	-13.16	7.89	-5.27
Delhi	-1026	0	0	-564	431	0	-16.74	6.43	-10.30
Haryana	-470	231	0	-504	264	0	-11.81	6.31	-5.50
HP	91	73	0	276	-47	0	6.77	-1.40	5.38
J&K	645	0	0	530	0	0	13.52	-0.47	13.05
CHD	-30	0	0	0	0	0	-0.24	0.08	-0.16
Rajasthan	-7	603	2	-7	503	2	8.69	14.20	22.89
UP	88	0	0	-144	0	0	-2.19	0.00	-2.19
Uttarakhand	194	173	0	225	198	0	4.81	6.10	10.91
<b>Total</b>	<b>-1033</b>	<b>1411</b>	<b>2</b>	<b>-1035</b>	<b>1645</b>	<b>2</b>	<b>-10.35</b>	<b>39.15</b>	<b>28.80</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-503	-847	346	261	0	0
Delhi	-560	-1026	687	-37	0	0
Haryana	-470	-525	303	127	0	0
HP	412	91	73	-623	0	0
J&K	645	526	74	-191	0	0
CHD	0	-30	25	-71	0	0
Rajasthan	731	-7	873	266	2	2
UP	143	-233	0	0	0	0
Uttarakhand	225	194	462	165	0	0

**XI. System Constraints:**

**XII. Grid Disturbance / Any Other Significant Event:**

**XIII. Weather Conditions For 07.12.2015 :**

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 :**