

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 31.05.2015  
Date of Reporting : 01.06.2015

### I. Regional Availability/Demand:

Evening Peak (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Day Energy (Net MU)	
Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
37800	2328	40128	50.11	41548	1894	43442	50.09	949.1	45.99

\* 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:

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	40.84	17.93		58.77	86.98	85.56	-1.41	144.33	0.00
Haryana	43.33	0.65		43.99	85.67	84.06	-1.61	128.04	0.00
Rajasthan	100.32	0.00	9.96	110.28	82.42	81.89	-0.52	192.17	0.00
Delhi	22.37			22.37	77.48	76.14	-1.34	98.51	0.70
UP	127.70	16.08		143.78	137.75	141.38	3.64	285.17	45.27
Uttarakhand		19.55		19.55	17.46	17.17	-0.28	36.72	0.00
HP		18.86		18.86	5.41	5.60	0.18	24.46	0.02
J & K		14.65	0.00	14.65	20.31	20.28	-0.02	34.94	0.00
Chandigarh				0.00	5.01	4.75	0.27	4.75	0.00
<b>Total</b>	<b>334.56</b>	<b>87.73</b>	<b>9.96</b>	<b>432.26</b>	<b>518.48</b>	<b>516.85</b>	<b>-1.10</b>	<b>949.10</b>	<b>45.99</b>

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

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

State	Evening Peak (20:00 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	5658	0	38	457	6327	0	-268	737	6998
Haryana	5106	0	-813	243	6388	0	-327	266	7106
Rajasthan	7158	0	47	719	8068	0	161	641	8746
Delhi	3807	0	-137	620	4795	0	199	775	5112
UP	11681	1925	260	930	11886	1670	9	1229	12694
Uttarakhand	1664	0	0	269	1604	0	19	150	1707
HP	912	0	-2	-1226	986	0	13	-1342	1185
J&K	1613	403	50	-322	1272	224	-7	-532	1680
Chandigarh	202	0	-19	10	223	0	-1	0	250
<b>Total</b>	<b>37800</b>	<b>2328</b>	<b>-576</b>	<b>1700</b>	<b>41548</b>	<b>1894</b>	<b>-202</b>	<b>1923</b>	<b>43720</b>

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

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

### III. Regional Entities :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1671	1497	1771	37.36	1557	37.59	-0.23
	Rihand I STPS (2*500)	1000	450	353	488	9.95	415	9.17	0.78
	Rihand II STPS (2*500)	1000	888	372	1009	19.64	819	18.82	0.83
	Rihand III STPS (2*500)	1000	955	734	990	20.62	859	19.74	0.88
	Dadri I STPS (4*210)	840	815	605	697	15.22	634	14.25	0.97
	Dadri II STPS (2*490)	980	980	690	695	16.67	695	16.51	0.16
	Unchahar I TPS (2*210)	420	405	249	354	6.99	291	7.56	-0.57
	Unchahar II TPS (2*210)	420	401	230	274	6.60	275	7.25	-0.65
	Unchahar III TPS (1*220)	210	201	104	138	3.01	125	3.65	-0.64
	ISTPP (Jhajihar) (3*500)	1500	1000	640	619	14.32	597	14.67	-0.35
	Dadri GPS (4*130.19+2*154.51)	830	805	186	148	3.70	154	3.50	0.20
	Anta GPS (3*88.71+1*153.2)	419	381	199	200	5.02	209	4.73	0.29
	Auraiya GPS (4*111.19+2*109.30)	663	644	129	133	3.20	133	3.10	0.10
	Dadri Solar	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03
	Singrauli Solar	15	3	0	0	0.06	3	0.07	-0.01
	KHEP	400	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (A)</b>	<b>11712</b>	<b>9601</b>	<b>5988</b>	<b>7516</b>	<b>162</b>	<b>6767</b>	<b>161</b>	<b>2</b>	
B. NPC	NAPS (2*220)	440	381	425	427	9.28	387	9.14	0.14
	RAPS- B (2*220)	440	367	409	414	8.85	369	8.81	0.04
	RAPS- C (2*220)	440	380	436	440	9.50	396	9.12	0.38
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1128</b>	<b>1270</b>	<b>1281</b>	<b>27.62</b>	<b>1151</b>	<b>27.07</b>	<b>0.55</b>
C. NHPC	Chamera I HPS (3*180)	540	534	373	547	12.20	508	12.22	-0.02
	Chamera II HPS (3*100)	300	300	310	312	7.33	305	7.20	0.13
	Chamera III HPS (3*77)	231	231	225	231	5.60	233	5.55	0.05
	Bairasuil HPS(3*60)	180	179	125	122	3.14	131	3.14	0.00
	Salal-HPS (6*115)	690	661	672	672	16.20	675	15.86	0.34
	Tanakpur-HPS (3*40)	94	68	70	64	1.68	70	1.61	0.07
	Uri-I HPS (4*120)	480	475	477	476	11.62	484	11.39	0.23
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	280	273	209	5.16	215	5.07	0.09
	Dulhasti-HPS (3*130)	390	387	405	399	9.39	391	9.29	0.10
	Sewa-II HPS (3*40)	120	119	124	0	1.98	83	2.00	-0.02
	Parbati 3 (4*130)	520	260	261	0	2.47	103	2.41	0.07
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3495</b>	<b>3315</b>	<b>3033</b>	<b>77</b>	<b>3198</b>	<b>76</b>	<b>1</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1614	1629	38.51	1605	38.52
Rampur HEP (6*68.67)		412	442	448	447	10.60	442	10.61	-0.01
<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>2062</b>	<b>2076</b>	<b>49.11</b>	<b>2046</b>	<b>49.13</b>	<b>-0.02</b>	
E. THDC	Tehri HPS (4*250)	1000	290	290	290	6.53	272	6.48	0.05
	Koteshwar HPS (4*100)	400	135	272	90	3.28	137	3.30	-0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>425</b>	<b>562</b>	<b>380</b>	<b>9.81</b>	<b>409</b>	<b>9.78</b>	<b>0.03</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	889	1316	633	21.28	887	21.34	-0.06
	Dehar HPS (6*165)	990	624	660	560	15.11	630	14.98	0.13
	Pong HPS (6*66)	396	64	198	66	1.43	60	1.54	-0.10
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1577</b>	<b>2174</b>	<b>1259</b>	<b>37.82</b>	<b>1576</b>	<b>37.86</b>	<b>-0.03</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	168	121	3.26	136	3.88	-0.62
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	950	900	21.41	892	21.59	-0.18
	Malana Stg-II HPS (2*50)	100	0	61	45	1.39	58	1.30	0.09
	Shree Cement TPS (2*150)	300	0	198	251	4.81	200	4.78	0.03
	Budhil HPS(IPP)	70	0	70	74	1.74	72	1.68	0.06
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1447</b>	<b>1391</b>	<b>32.60</b>	<b>1358</b>	<b>33.23</b>	<b>-0.63</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>18273</b>	<b>16818</b>	<b>16936</b>	<b>396.15</b>	<b>16506</b>	<b>393.48</b>	<b>2.67</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	320	320	7.55	315
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	175	90	2.81	117
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	191	196	4.30	179
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	699	693	18.03	751
	Talwandi Saboo (1*660)	660	335	493	8.15	339
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1720</b>	<b>1792</b>	<b>40.84</b>	<b>1702</b>
	Total Hydro	1148	679	795	17.93	747
	<b>Total Punjab</b>	<b>5828</b>	<b>2399</b>	<b>2587</b>	<b>58.77</b>	<b>2449</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	476	508	11.61	484
Faridabad GPS (NTPC)		432	177	174	4.45	185
RGTPP (Khedar) (IPP) (2*600)		1200	368	435	7.93	330
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	740	1111	19.35	806
<b>Thermal (Total)</b>		<b>4944</b>	<b>1761</b>	<b>2228</b>	<b>43.33</b>	<b>1806</b>
Total Hydro		62	26	27	0.65	27
<b>Total Haryana</b>		<b>5006</b>	<b>1787</b>	<b>2255</b>	<b>43.99</b>	<b>1833</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	706	693	17.32
	suratgarh TPS (6*250)	1500	388	416	9.83	410
	Chabra TPS (4*250)	1000	385	347	7.16	298
	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	143	148	3.55	148
	RAPS A (NPC) (1*100+1*200)	300	140	140	3.43	143
	Barsingar (NLC) (2*125)	250	94	94	2.03	85
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	556	822	18.26	761
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	432	440	12.57	524
	Kawai(Adani) (2*660)	1320	876	1167	26.17	1090
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3720</b>	<b>4267</b>	<b>100</b>	<b>4180</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	387	419	9.31	388
	Biomass	99	27	27	0.65	27
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	3627	414	446	9.96	415
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4134</b>	<b>4713</b>	<b>110.28</b>	<b>4595</b>
	UP	Anpara TPS (3*210+2*500)	1630	1346	1317	31.70
Obra TPS (2*50+2*94+5*200)		1194	440	392	9.70	404
Paricha TPS (2*110+2*220+2*250)		1140	728	811	18.20	758
Panki TPS (2*105)		210	113	131	3.00	125
Harduaganj TPS (1*60+1*105+2*250)		665	214	216	5.10	213
Tanda TPS (NTPC) (4*110)		440	380	282	8.80	367
Roza TPS (IPP) (4*300)		1200	1067	1058	25.60	1067
Anpara-C (IPP) (2*600)		1200	540	545	12.80	533
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	322	403	9.90	413
Anpara-D		500	0	0	0.00	0
<b>Thermal (Total)</b>		<b>8629</b>	<b>5150</b>	<b>5155</b>	<b>125</b>	<b>5200</b>
Vishnuparyag HPS (IPP)(including Alakananada)		400	592	596	13.78	574
Other Hydro		527	60	260	2.30	96
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>10537</b>	<b>5922</b>	<b>6131</b>	<b>143.78</b>	<b>5417</b>
Uttarakhand	Total Hydro	1398	864	793	19.55	814
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>864</b>	<b>793</b>	<b>19.55</b>	<b>814</b>
Delhi	Rajghat TPS (2*67.5)	135	-1	-1	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	37	72	1.28	53
	Pragati Gas Turbine (2x104+ 1x122)	330	265	261	6.37	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	272	302	6.66	278
	Badarpur TPS (NTPC) (3*95+2*210)	705	289	285	8.08	337
	Thermal (Total)	2917	862	919	22.37	932
	<b>Total Delhi</b>	<b>2917</b>	<b>862</b>	<b>919</b>	<b>22.37</b>	<b>932</b>
HP	Baspa HPS (IPP) (2*150)	300	307	276	5.94	248
	Malana HPS (IPP) (2*43)	86	47	35	1.27	53
	Other Hydro	728	492	484	11.66	486
	<b>Total HP</b>	<b>1114</b>	<b>846</b>	<b>795</b>	<b>18.86</b>	<b>786</b>
J & K	Baglihar HPS (IPP) (3*150)	450	442	442	10.57	440
	Other Hydro/IPP	436	185	175	4.09	170
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>627</b>	<b>617</b>	<b>14.65</b>	<b>611</b>
<b>Total State Control Area Generation</b>		<b>40347</b>	<b>17441</b>	<b>18810</b>	<b>432.26</b>	<b>17436</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>3058</b>	<b>3074</b>	<b>137.56</b>	<b>5731</b>
<b>Total Regional Availability(Gross)</b>		<b>65319</b>	<b>37317</b>	<b>38820</b>	<b>965.97</b>	<b>39674</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	9292	7814	199.57	8315
State Control Area Hydro	5684	3102	3287	87.73	3081
<b>Total Regional Hydro</b>	<b>17654</b>	<b>12394</b>	<b>11101</b>	<b>287.30</b>	<b>11396</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	MW	MW	Import	Export	Import	Export	
	Vindhychal B/B	-150	150	300	150	1.32	1.18	0.14	
Gwalior-Agra (D/C)	1568	1885	2099	0	40.24	0.00	40.24		
Zerda-Kankroli	-191	-185	0	281	0.00	4.82	-4.82		
Zerda-Bhinmal	-150	-120	0	290	0.00	3.28	-3.28		
Malanpur-Auraiya	0	0	0	0	0.00	0.00	0.00		
Badod-Kota/Morak	-7	52	76	-7	0.00	0.99	-0.99		
Mundra-Mohinderqarh(HVDC)	2502	2503	2514	0	60.47	0.00	60.47		
Vindhychal - Rihand	471	491	501	0	11.20	0.00	11.20		
<b>Sub Total WR</b>	<b>4043</b>	<b>4776</b>			<b>113.23</b>	<b>10.26</b>	<b>102.97</b>		
Pusauli Bypass	-400	-400	0	400	8.97	0.00	8.97		
MZP- GKP (D/C)	-224	-398	-404	0	7.75	0.00	7.75		
Patna-Balia(D/C)	-252	-448	500	0	9.34	0.00	9.34		
B'Sharif-Balia (D/C)	-49	-102	100	0	2.66	0.00	2.66		
Pusauli-Balia	-247	-221	-320	0	2.65	0.00	2.65		
Gaya-Fatehpur (765 Kv)	0	0	0	0	0.00	0.00	0.00		
Pusauli-Sahupuri	210	-172	203	0	2.10	0.00	2.10		
K'nasa-Sahupuri	0	0	1	0	0.00	0.00	0.00		
Son Ngr-Rihand	-40	-42	0	43	0.00	0.95	-0.95		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 KV)	17	81	194	154	2.06	0.00	2.06		
<b>Sub Total ER</b>	<b>-985</b>	<b>-1702</b>			<b>35.53</b>	<b>0.95</b>	<b>34.59</b>		
<b>Total IR Exch</b>	<b>3058</b>	<b>3074</b>			<b>148.76</b>	<b>11.21</b>	<b>137.56</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
	30.68	1.21	31.89	12.03	0.44	11.15	0.29	0.34

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incids Mindra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
55.41	87.42	142.84	34.59	102.97	137.56	-20.83	15.55	-5.28

**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 - Mahendamar	26	28	0	-32	0	-1	0.52	

**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	0.64	3.07	36.66	65.64	18.00	8.40	4.93	NA

Frequency (Hz)				Average Frequency Hz	Frequency Variation Index	Std. Dev. (Hz)	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
50.49	17.06	49.72	0.09	50.03	0.10	0.10	50.48	49.98

**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	411	18:13	398	00:03	0.0	0.0
Gorakhpur	400	415	17:07	402	00:08	0.0	0.0	0.0	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.0	0.2	0.0
Kanpur	400	421	17:06	398	00:07	0.0	0.0	0.2	0.0
Dadri	400	416	17:05	396	00:02	0.0	0.0	0.0	0.0
Ballabgarh	400	422	17:06	398	00:07	0.0	0.0	1.4	0.0
Bawana	400	417	17:06	397	00:05	0.0	0.0	0.0	0.0
Bassi	400	425	18:06	399	00:04	0.0	0.0	8.2	0.0
Hissar	400	411	17:05	387	00:05	0.0	1.4	0.0	0.0
Moga	400	416	17:07	397	00:09	0.0	0.0	0.0	0.0
Abdullapur	400	418	17:06	396	00:05	0.0	0.0	0.0	0.0
Nalagarh	400	423	17:15	404	00:04	0.0	0.0	3.8	0.0
Kishenpur	400	416	17:03	407	00:03	0.0	0.0	0.0	0.0
Wagoora	400	409	23:56	393	07:31	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	803	17:07	760	22:35	0.0	0.0
Balia	765	781	17:06	740	01:17	0.0	0.0	0.0	0.0
Moga	765	796	17:05	774	19:37	0.0	0.0	0.0	0.0
Agra	765	799	17:30	747	00:07	0.0	0.0	0.0	0.0
Bhiwani	765	800	17:06	759	00:00	0.0	0.0	0.0	0.0
Unnao	765	0	00:00	9999	00:00	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	487.80	661.49	479.86	454.47	772.20	731.88
Pong	426.72	384.05	405.65	361.16	402.52	281.22	86.59	98.66
Tehri	829.79	740.04	752.40	67.00	742.40	11.00	167.80	215.00
Koteshwar	612.50	598.50	606.45	3.10	609.70	4.42	215.00	218.00
Chamera-I	760.00	748.75	757.80	0.00	0.00	0.00	323.50	330.54
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	521.46	10.01	520.45	7.20	315.21	420.05

\* 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	125	611	1	118	338	1	3.08	13.08	16.16
Delhi	697	89	-10	515	115	-10	14.12	1.54	15.66
Haryana	68	197	0	93	149	0	2.35	4.08	6.43
HP	-843	-499	0	-488	-738	0	-14.86	-14.14	-29.00
J&K	-532	0	0	-395	74	0	-11.04	0.52	-10.52
CHD	0	0	0	0	10	0	0.24	0.19	0.42
Rajasthan	-121	760	2	-117	833	2	-2.86	24.78	21.93
UP	1229	0	0	930	0	0	24.00	0.00	24.00
Uttarakhand	74	51	25	74	171	25	1.77	3.00	4.77
<b>Total</b>	<b>696</b>	<b>1210</b>	<b>18</b>	<b>730</b>	<b>952</b>	<b>18</b>	<b>16.80</b>	<b>33.05</b>	<b>49.85</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	137	118	661	338	1	1
Delhi	697	475	596	-321	-10	-10
Haryana	265	64	198	149	0	0
HP	-488	-1045	-258	-858	0	0
J&K	-355	-545	207	-101	0	0
CHD	30	0	40	-15	0	0
Rajasthan	-117	-121	1502	704	2	2
UP	1243	863	0	0	0	0
Uttarakhand	74	74	171	51	25	25

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 31.05.2015 :**

Normal

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

1. 400kV Barh-Gorakhpur first time charged at 16:55 hrs on 31.05.2015.

**XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**