

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायुक्त कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

**Power Supply Position in Northern Region for 22.04.2015**  
Date of Reporting : 23.04.2015

### 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
38681	2020	40701	50.04	34557	1921	36478	49.97	846.6	43.61

\* 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	39.31	5.44		44.75	64.64	64.30	-0.34	109.05	0.00
Haryana	27.41	0.68		28.09	84.90	83.80	-1.10	111.89	0.00
Rajasthan	109.57	0.00	7.95	117.52	62.53	62.40	-0.12	179.92	0.00
Delhi	24.02			24.02	61.57	59.91	-1.67	83.93	0.14
UP	146.46	3.29		149.75	109.12	107.70	-1.42	257.45	34.87
Uttarakhand		11.35		11.35	22.34	24.64	2.30	35.99	1.20
HP		13.01		13.01	12.03	11.74	-0.30	24.75	0.00
J & K		13.76	0.00	13.76	21.88	25.30	3.42	39.06	7.40
Chandigarh				0.00	4.56	4.57	0.27	4.57	0.00
<b>Total</b>	<b>346.76</b>	<b>47.52</b>	<b>7.95</b>	<b>402.24</b>	<b>443.57</b>	<b>444.36</b>	<b>1.05</b>	<b>846.60</b>	<b>43.61</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	5249	0	-87	-152	4345	0	-138	279	5330
Haryana	5766	0	-358	465	4550	0	130	213	5943
Rajasthan	7571	0	24	481	7270	0	-98	474	7994
Delhi	3815	0	-70	96	3274	0	59	-134	4055
UP	11446	1580	-164	239	11229	1625	137	197	11791
Uttarakhand	1725	75	91	435	1409	0	115	347	1725
HP	1067	0	-55	-761	854	0	49	-278	1233
J&K	1824	365	179	-136	1480	296	189	-121	1882
Chandigarh	219	0	0	0	145	0	2	0	226
<b>Total</b>	<b>38681</b>	<b>2020</b>	<b>-440</b>	<b>668</b>	<b>34557</b>	<b>1921</b>	<b>445</b>	<b>975</b>	<b>39448</b>

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

Diversity is 1.02

### III. Regional Entities :

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	
										Sub Total (A)
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1719	1739	1851	40.55	1690	41.26	-0.71	
	Rihand I STPS (2*500)	1000	698	889	839	19.40	808	16.04	3.36	
	Rihand II STPS (2*500)	1000	472	496	518	11.70	488	10.97	0.73	
	Rihand III STPS (2*500)	1000	960	1003	1001	22.45	935	22.06	0.39	
	Dadri I STPS (4*210)	840	615	619	520	13.39	558	11.44	1.95	
	Dadri II STPS (2*490)	980	980	846	694	17.97	749	17.13	0.84	
	Unchahar I TPS (2*210)	420	405	291	371	7.61	317	8.63	-1.02	
	Unchahar II TPS (2*210)	420	401	256	374	7.21	300	8.06	-0.85	
	Unchahar III TPS (1*220)	210	0	0	0	0.00	0	0.00	0.00	
	ISTPP (Jhajjar) (3*500)	1500	1500	930	613	15.30	638	16.27	-0.97	
	Dadri GPS (4*130.19+2*154.51)	830	806	185	196	4.54	189	4.54	0.00	
	Anta GPS (3*88.71+1*153.2)	419	393	227	245	5.85	244	5.38	0.47	
	Auraiya GPS (4*111.19+2*109.30)	663	650	156	162	3.77	157	3.89	-0.12	
	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	0.04	2	0.07	-0.03	
KHEP	400	0	0	0	0.00	0	0.00	0.00		
<b>Sub Total (A)</b>	<b>11712</b>	<b>9604</b>	<b>7637</b>	<b>7384</b>	<b>170</b>	<b>7077</b>	<b>166</b>	<b>4</b>		
B. NPC	NAPS (2*220)	440	390	416	433	9.20	383	9.36	-0.16	
	RAPS- B (2*220)	440	373	417	420	8.98	374	7.30	1.68	
	RAPS- C (2*220)	440	410	439	446	9.55	398	9.84	-0.29	
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1173</b>	<b>1272</b>	<b>1299</b>	<b>27.73</b>	<b>1155</b>	<b>26.50</b>	<b>1.23</b>	
C. NHPC	Chamera I HPS (3*180)	540	534	538	542	12.92	538	12.81	0.10	
	Chamera II HPS (3*100)	300	300	299	270	7.25	302	7.08	0.17	
	Chamera III HPS (3*77)	231	231	230	215	5.49	229	5.36	0.13	
	Bairasuil HPS(3*60)	180	120	121	121	2.82	117	2.88	-0.06	
	Salal-HPS (6*115)	690	648	666	666	16.01	667	15.56	0.45	
	Tanakpur-HPS (3*40)	94	45	49	43	1.13	47	1.07	0.06	
	Uri-I HPS (4*120)	480	475	476	475	11.12	463	11.40	-0.28	
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00	
	Dhauliganga-HPS (4*70)	280	162	138	0	2.33	97	2.25	0.08	
	Dulhasti-HPS (3*130)	390	387	405	393	9.45	394	9.29	0.16	
	Sewa-II HPS (3*40)	120	119	130	130	3.07	128	2.86	0.21	
	Parbati 3 (4*130)	520	255	129	0	1.97	82	1.97	0.00	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3276</b>	<b>3181</b>	<b>2855</b>	<b>74</b>	<b>3065</b>	<b>73</b>	<b>1</b>	
	D.SJVNL	NJPC (6*250)	1500	1605	1586	0	16.47	686	14.90	1.57
		Rampur HEP (6*68.67)	412	430	430	0	4.64	193	4.13	0.51
<b>Sub Total (D)</b>		<b>1912</b>	<b>2035</b>	<b>2016</b>	<b>0</b>	<b>21.11</b>	<b>880</b>	<b>19.03</b>	<b>2.08</b>	
E. THDC	Tehri HPS (4*250)	1000	510	508	155	6.73	281	6.70	0.03	
	Koteswar HPS (4*100)	400	129	299	91	3.10	129	3.10	0.00	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>639</b>	<b>807</b>	<b>246</b>	<b>9.83</b>	<b>410</b>	<b>9.80</b>	<b>0.03</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	344	795	300	8.23	343	8.26	-0.03	
	Dehar HPS (6*165)	990	610	660	560	14.78	616	14.64	0.14	
	Pong HPS (6*66)	396	6	124	0	0.18	7	0.16	0.02	
	<b>Sub Total (F)</b>	<b>2900</b>	<b>961</b>	<b>1579</b>	<b>860</b>	<b>23.19</b>	<b>966</b>	<b>23.05</b>	<b>0.14</b>	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	123	51	1.44	60	1.75	-0.30	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	880	150	8.31	346	7.82	0.48	
	Malana Stg-II HPS (2*50)	100	0	40	31	1.07	45	0.85	0.22	
	Shree Cement TPS (2*150)	300	0	211	299	6.56	273	6.84	-0.28	
	Budhil HPS(IPP)	70	0	70	72	1.23	51	0.98	0.25	
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1324</b>	<b>602</b>	<b>18.61</b>	<b>775</b>	<b>18.24</b>	<b>0.36</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>17688</b>	<b>17816</b>	<b>13247</b>	<b>343.86</b>	<b>14328</b>	<b>335.00</b>	<b>8.86</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	840	840	16.94	706
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	0	120	0.86	36
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	478	469	10.17	424
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	678	651	11.34	472
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1996</b>	<b>2080</b>	<b>39.31</b>	<b>1638</b>
	Total Hydro	1148	342	99	5.44	226
	<b>Total Punjab</b>	<b>5828</b>	<b>2338</b>	<b>2179</b>	<b>44.75</b>	<b>1864</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	535	241	8.03	334
Faridabad GPS (NTPC)		432	0	0	0.00	0
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	1074	737	19.38	808
<b>Thermal (Total)</b>		<b>4944</b>	<b>1609</b>	<b>978</b>	<b>27.41</b>	<b>1142</b>
Total Hydro		62	24	25	0.68	28
<b>Total Haryana</b>		<b>5006</b>	<b>1633</b>	<b>1003</b>	<b>28.09</b>	<b>1170</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	863	863	21.27
	suratgarh TPS (6*250)	1500	629	524	13.76	573
	Chabra TPS (4*250)	1000	638	572	14.83	618
	Dholpur GPS (3*110)	330	78	94	2.00	83
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	176	181	4.34	181
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	196	165	3.83	160
	Giral LTPS (2*125)	250	74	85	1.71	71
	Rajwest LTPS (IPP) (8*135)	1080	688	725	17.03	710
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	178	355	5.80	242
	Kawai(Adani) (2*660)	1320	938	958	25.00	1041
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4458</b>	<b>4522</b>	<b>110</b>	<b>4565</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	84	825	7.09	295
	Biomass	99	29	29	0.70	29
	Solar	730	0	0	0.17	7
	Renewable/Others (Total)	3627	113	854	7.95	331
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4571</b>	<b>5376</b>	<b>117.52</b>	<b>4897</b>
	UP	Anpara TPS (3*210+2*500)	1630	1309	1238	31.76
Obra TPS (2*50+2*94+5*200)		1194	466	345	10.15	423
Paricha TPS (2*110+2*220+2*250)		1140	764	805	18.27	761
Panki TPS (2*105)		210	131	131	3.13	130
Harduaganj TPS (1*60+1*105+2*250)		665	224	227	5.43	226
Tanda TPS (NTPC) (4*110)		440	285	385	8.88	370
Roza TPS (IPP) (4*300)		1200	1071	1076	25.61	1067
Anpara-C (IPP) (2*600)		1200	1080	1080	25.90	1079
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	282	403	7.73	5702
Anpara-D		500	0	0	0.00	0
<b>Thermal (Total)</b>		<b>8629</b>	<b>5612</b>	<b>5690</b>	<b>137</b>	<b>11083</b>
Vishnuparyag HPS (IPP)		400	155	148	0.00	0
Other Hydro		527	97	296	3.29	137
Cogeneration		981	400	400	9.60	400
<b>Total UP</b>		<b>10537</b>	<b>6264</b>	<b>6534</b>	<b>149.75</b>	<b>11620</b>
Uttarakhand	Total Hydro	1398	479	470	11.35	473
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>479</b>	<b>470</b>	<b>11.35</b>	<b>473</b>
Delhi	Rajghat TPS (2*67.5)	135	50	49	1.12	46
	Delhi Gas Turbine (6x30 + 3x34)	282	144	146	3.42	142
	Pragati Gas Turbine (2x104+ 1x122)	330	270	265	6.64	277
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	290	270	6.70	279
	Badarpur TPS (NTPC) (3*95+2*210)	705	281	298	6.15	256
	<b>Thermal (Total)</b>	<b>2917</b>	<b>1035</b>	<b>1028</b>	<b>24.02</b>	<b>1001</b>
<b>Total Delhi</b>	<b>2917</b>	<b>1035</b>	<b>1028</b>	<b>24.02</b>	<b>1001</b>	
HP	Baspa HPS (IPP) (2*150)	300	122	61	1.50	63
	Malana HPS (IPP) (2*43)	86	47	28	1.09	45
	Other Hydro	728	445	444	10.42	434
	<b>Total HP</b>	<b>1114</b>	<b>614</b>	<b>533</b>	<b>13.01</b>	<b>542</b>
J & K	Baglihar HPS (IPP) (3*150)	450	450	450	10.80	450
	Other Hydro/IPP	436	112	126	2.96	123
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>562</b>	<b>576</b>	<b>13.76</b>	<b>573</b>
<b>Total State Control Area Generation</b>		<b>40347</b>	<b>17496</b>	<b>17699</b>	<b>402.24</b>	<b>22140</b>
<b>J. Net Inter Regional Exchange</b> [Import (+ve)/Export (-ve)]			<b>5484</b>	<b>5385</b>	<b>124.18</b>	<b>5174</b>
<b>Total Regional Availability(Gross)</b>		<b>65319</b>	<b>40796</b>	<b>36330</b>	<b>870.28</b>	<b>41642</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	8627	4193	138.506035	5771
State Control Area Hydro	5684	2118	1999	47.52	1980
<b>Total Regional Hydro</b>	<b>17654</b>	<b>10745</b>	<b>6192</b>	<b>186.03</b>	<b>7751</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	500	400	500	0	9.89	0.00	9.89
Gwalior-Agra (D/C)	1588	1876	2421	0	42.53	0.00	42.53
Zerda-Kankroli	-160	-356	0	374	0.00	6.59	-6.59
Zerda-Bhinmal	-95	-299	0	345	0.00	4.89	-4.89
Malanpur-Auraiya	-72	-54	0	80	0.00	1.11	-1.11
Badod-Kota/Morak	-50	-109	3	80	0.00	1.85	-1.85
Mundra-Mohinderghar(HVDC)	2498	2503	2506	0	60.46	0.00	60.46
Vindhychal - Rihand	478	516	516	0	10.82	0.00	10.82
<b>Sub Total WR</b>	<b>4687</b>	<b>4477</b>			<b>123.70</b>	<b>14.44</b>	<b>109.25</b>
Pusaui Bypass	400	300	0	400	7.93	0.00	7.93
MZP- GKP (D/C)	-110	87	172	192	0.47	0.00	0.47
Patna-Balia(D/C)	657	269	657	0	11.15	0.00	11.15
B'Sharif-Balia (D/C)	53	-17	61	87	0.00	0.40	-0.40
Pusaui-Balia	147	36	147	34	0.85	0.00	0.85
Gaya-Fatehpur (765 Kv)	-129	146	217	129	2.16	0.00	2.16
Pusaui-Sahupuri	139	147	0	202	0.00	3.89	-3.89
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-26	-40	0	44	0.00	0.70	-0.70
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-334	-20	25	334	0.00	2.62	-2.62
<b>Sub Total ER</b>	<b>797</b>	<b>908</b>			<b>22.55</b>	<b>7.62</b>	<b>14.93</b>
<b>Total IR Exch</b>	<b>5484</b>	<b>5385</b>			<b>146.25</b>	<b>22.07</b>	<b>124.18</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
22.38	1.16	23.54	-0.34	-2.05	4.39	5.81	0.79	-0.79

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
28.39	95.80	124.19	14.93	109.25	124.18	-13.46	13.45	-0.01

**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	0.37	13.12	48.10	59.20	17.05	9.65	1.05	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					
50.28	18.02	49.78	4.40	50.00	0.07	0.09	50.25	49.91

**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	403	00:00	403	00:00	0.0	0.0	0.0	0.0
Gorakhpur	400	415	18:02	403	10:12	0.0	0.0	0.0	0.0
Bareilly	400	420	08:03	397	19:27	0.0	0.0	0.0	0.0
Kanpur	400	417	08:03	400	19:24	0.0	0.0	0.0	0.0
Dadri	400	419	08:03	400	19:12	0.0	0.0	0.0	0.0
Ballabgarh	400	425	08:03	401	19:23	0.0	0.0	16.9	0.0
Bawana	400	423	03:57	400	19:14	0.0	0.0	10.0	0.0
Bassi	400	423	18:00	401	19:27	0.0	0.0	6.4	0.0
Hissar	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Moga	400	421	13:03	398	19:24	0.0	0.0	0.2	0.0
Abdullapur	400	428	03:57	396	19:13	0.0	0.0	42.8	0.0
Nalagarh	400	430	03:56	402	19:18	0.0	0.0	24.6	0.0
Kishenpur	400	419	13:03	401	19:26	0.0	0.0	0.0	0.0
Wagooora	400	410	03:55	383	06:37	0.0	18.7	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	778	08:03	738	19:26	0.0	0.8	0.0	0.0
Balia	765	777	08:04	748	19:25	0.0	0.0	0.0	0.0
Moga	765	799	18:01	755	19:24	0.0	0.0	0.0	0.0
Agra	765	789	08:04	750	19:27	0.0	0.0	0.0	0.0
Bhiwani	765	802	18:13	756	19:13	0.0	0.0	0.7	0.0
Unnao	765	763	08:04	735	19:28	0.0	9.4	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	483.28	544.27	482.93	527.87	502.31	240.81
Pong	426.72	384.05	404.67	336.10	402.45	273.51	171.06	13.05
Tehri	829.79	740.04	764.75	163.00	763.05	145.79	102.92	203.00
Koteshwar	612.50	598.50	611.80	5.48	611.10	4.95	203.00	205.00
Chamera-I	760.00	748.75	759.32	0.00	0.00	0.00	383.05	349.62
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	518.35	3.12	516.59	5.79	280.93	95.04

\* 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	-150	426	2	-152	0	0	-3.60	6.42	2.83
Delhi	-146	53	-41	-97	203	-10	-2.56	4.35	1.80
Haryana	317	-104	0	313	152	0	7.55	-1.34	6.21
HP	99	-377	0	-155	-606	0	0.60	-7.96	-7.36
J&K	-70	-51	0	-121	-15	0	-2.67	-0.62	-3.29
CHD	0	0	0	0	0	0	0.00	0.33	0.33
Rajasthan	-125	601	-3	-121	600	2	-2.94	11.59	8.64
UP	197	0	0	239	0	0	4.92	0.00	4.92
Uttarakhand	0	298	49	0	423	12	0.00	8.68	8.68
<b>Total</b>	<b>121</b>	<b>846</b>	<b>8</b>	<b>-93</b>	<b>758</b>	<b>4</b>	<b>1.31</b>	<b>21.44</b>	<b>22.76</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-150	-152	469	0	2	0
Delhi	-68	-146	476	-91	0	-41
Haryana	317	313	192	-548	0	0
HP	99	-185	-89	-667	0	0
J&K	-70	-151	84	-101	0	0
CHD	0	0	49	0	0	0
Rajasthan	-121	-125	739	23	2	-47
UP	239	161	0	0	0	0
Uttarakhand	0	0	464	161	49	2

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 22.04.2015 :**

Normal

**XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**  
80MVAR Bus reactor at Muktsar(Punjab) first time charged at 19.23hr on 22.04.15

400 kV Bareilly-765 kV Bareilly -II first time charged at 20:50 hrs/22-04-2015 and tripped at 00:27 hrs/23-04-2015 due to B-ph C.T. main bay blast at 400 kV Bareilly, again charged at 02:01 hrs/23-04-2015 through tie bay

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