

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 31.12.2014  
Date of Reporting : 01.01.2015

### I. Regional Availability/Demand:

Evening Peak (19:00 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
39532	2421	41953	0.00	30299	598	30896	0.00	849.9	62.25

\* 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	47.88	8.81		56.69	39.75	40.17	0.42	96.86	0.00
Haryana	71.33	0.43		71.76	45.72	46.34	0.62	118.11	10.95
Rajasthan	106.09	4.12	17.05	127.26	82.24	83.40	1.15	210.66	0.00
Delhi	22.29			22.29	46.49	44.95	-1.54	67.24	0.00
UP	151.03	5.82		156.86	92.23	92.89	0.66	249.74	43.72
Uttarakhand		8.01		8.01	25.43	26.53	1.10	34.54	0.00
HP		4.10		4.10	21.69	21.66	-0.03	25.76	0.00
J & K		4.81	0.00	4.81	35.65	38.12	2.48	42.93	7.58
Chandigarh				0.00	3.85	4.03	0.27	4.03	0.00
<b>Total</b>	<b>398.62</b>	<b>36.11</b>	<b>17.05</b>	<b>451.78</b>	<b>393.05</b>	<b>398.08</b>	<b>5.12</b>	<b>849.87</b>	<b>62.25</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 (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	4741	0	-167	-436	3047	0	87	-355	5253
Haryana	6108	293	25	-864	3703	0	149	-780	6108
Rajasthan	9117	0	-80	907	8063	0	216	1480	10414
Delhi	3468	0	-30	-246	1631	0	-175	-975	4129
UP	10919	1790	-454	887	10089	290	32	70	11779
Uttarakhand	1773	0	225	516	1154	0	-47	500	1818
HP	1282	0	-61	303	770	0	-26	521	1367
J&K	1914	338	148	697	1743	308	103	593	1914
Chandigarh	210	0	-7	20	99	0	15	-31	234
<b>Total</b>	<b>39532</b>	<b>2421</b>	<b>-402</b>	<b>1784</b>	<b>30299</b>	<b>598</b>	<b>354</b>	<b>1022</b>	<b>40110</b>

\* STOA figures are at sellers boundary & PX figures are at regional boundary.

# figures may not be at simultaneous hour.

Diversity is 1.07

### III. Regional Entities :

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
<b>A. NTPC</b>								
Singrauli STPS (5*200+2*500)	2000	1450	1566	1543	37.05	1544	34.42	2.62
Rihand I STPS (2*500)	1000	879	918	823	22.02	918	20.32	1.71
Rihand II STPS (2*500)	1000	962	997	733	22.28	929	20.95	1.33
Rihand III STPS (2*500)	1000	961	940	769	21.96	915	20.84	1.12
Dadri I STPS (4*210)	840	615	633	464	13.55	565	13.13	0.42
Dadri II STPS (2*490)	980	980	898	735	21.29	887	21.09	0.20
Unchahar I TPS (2*210)	420	373	342	316	8.11	338	7.84	0.27
Unchahar II TPS (2*210)	420	398	361	300	8.67	361	8.10	0.56
Unchahar III TPS (1*220)	210	198	166	142	2.09	87	3.97	-1.88
I-STPP (Jhajjar) (3*500)	1500	1421	1254	956	26.44	1102	27.75	-1.31
Dadri GPS (4*130.19+2*154.51)	830	844	315	304	7.68	320	7.69	-0.01
Anta GPS (3*88.71+1*153.2)	419	426	250	207	5.70	238	5.91	-0.20
Auraiva GPS (4*111.19+2*109.30)	663	675	231	203	5.32	222	5.58	-0.26
Dadri Solar	5	1	0	0	0.01	1	0.02	-0.01
Unchahar Solar	10	3	0	0	0.02	1	0.07	-0.05
<b>Sub Total (A)</b>	<b>11297</b>	<b>10186</b>	<b>8861</b>	<b>7495</b>	<b>202</b>	<b>8425</b>	<b>198</b>	<b>5</b>
<b>B. NPC</b>								
NAPS (2*220)	440	341	390	387	8.32	347	8.18	0.14
RAPS- B (2*220)	440	410	458	456	9.88	412	9.84	0.04
RAPS- C (2*220)	440	215	238	236	5.01	209	5.16	-0.15
<b>Sub Total (B)</b>	<b>1320</b>	<b>966</b>	<b>1086</b>	<b>1079</b>	<b>23.22</b>	<b>967</b>	<b>23.18</b>	<b>0.03</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	356	350	0	1.57	65	1.50	0.07
Chamera III HPS (3*100)	300	300	150	0	1.13	47	1.15	-0.02
Chamera III HPS (3*77)	231	154	134	0	0.58	24	0.58	0.00
Bairasuli HPS(3*60)	180	179	120	0	0.40	16	0.34	0.06
Salal-HPS (6*115)	690	109	225	67	2.76	115	2.61	0.15
Tanakpur-HPS (3*40)	94	24	17	18	0.59	25	0.57	0.02
Uri-I HPS (4*120)	480	106	148	87	2.67	111	2.55	0.12
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
Dhauliganga-HPS (4*70)	280	138	139	0	0.84	35	0.80	0.04
Dulhasti-HPS (3*130)	390	387	403	0	2.81	117	2.70	0.11
Sewa-II HPS (3*40)	120	79	41	0	0.18	8	0.24	-0.06
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (C)</b>	<b>4065</b>	<b>1832</b>	<b>1728</b>	<b>172</b>	<b>14</b>	<b>563</b>	<b>13</b>	<b>0</b>
<b>D. SJVNL</b>								
NJPC (6*250)	1500	1605	1421	0	6.61	276	6.49	0.13
Rampur HEP (4*68.67)	275	420	385	0	1.90	79	1.81	0.09
<b>Sub Total (D)</b>	<b>1775</b>	<b>2025</b>	<b>1806</b>	<b>0</b>	<b>8.51</b>	<b>355</b>	<b>8.30</b>	<b>0.21</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	1030	1001	0	8.10	338	8.00	0.10
Koteshwar HPS (4*100)	400	116	300	89	2.82	118	2.80	0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>1146</b>	<b>1301</b>	<b>89</b>	<b>10.93</b>	<b>455</b>	<b>10.80</b>	<b>0.13</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	674	1041	338	16.43	685	16.17	0.26
Dehar HPS (6*165)	990	121	165	0	2.88	120	2.90	-0.02
Pong HPS (6*66)	396	214	384	0	5.15	214	5.15	0.00
<b>Sub Total (F)</b>	<b>2900</b>	<b>1009</b>	<b>1590</b>	<b>338</b>	<b>24.46</b>	<b>1019</b>	<b>24.22</b>	<b>0.24</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.41	17	0.40	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	0	0	0.00	0	3.48	-3.48
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)	300	0	147	148	3.52	147	4.00	-0.48
Budhil HPS(IPP)	70	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>147</b>	<b>148</b>	<b>3.93</b>	<b>164</b>	<b>7.89</b>	<b>-3.95</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24419</b>	<b>17164</b>	<b>16519</b>	<b>9321</b>	<b>286.77</b>	<b>11949</b>	<b>285.11</b>	<b>1.66</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	640	640	16.03	668	
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	100	120	2.49	104	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	409	303	10.10	421	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	450	358	11.06	461	
	Talwandi Saboo (1*660)	660	330	343	8.20	341	
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1929</b>	<b>1764</b>	<b>47.88</b>	<b>1995</b>	
	Total Hydro	1148	287	198	8.81	367	
<b>Total Punjab</b>	<b>5828</b>	<b>2216</b>	<b>1962</b>	<b>56.69</b>	<b>2362</b>		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	700	734	16.76	698	
	DCRTPP (Yamuna nagar) (2*300)	600	552	465	12.20	508	
	Faridabad GPS (NTPC)	432	185	205	4.59	191	
	RGTPP (khedar) (IPP) (2*600)	1200	1147	719	24.31	1013	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	618	372	13.47	561	
	<b>Thermal (Total)</b>	<b>4944</b>	<b>3202</b>	<b>2495</b>	<b>71.33</b>	<b>2972</b>	
	Total Hydro	62	15	18	0.43	18	
	<b>Total Haryana</b>	<b>5006</b>	<b>3217</b>	<b>2513</b>	<b>71.76</b>	<b>2990</b>	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	963	960	22.82	951
suratgarh TPS (6*250)		1500	1155	1163	28.33	1180	
Chabra TPS (3*250)		750	604	607	14.14	589	
Dholpur GPS (3*110)		330	110	114	2.81	117	
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	196	173	4.43	185	
RAPS A (NPC) (1*100+1*200)		300	151	151	4.14	173	
Barsingar (NLC) (2*125)		250	192	192	4.48	187	
Giral LTPS (2*125)		250	82	89	1.48	62	
Rajwest LTPS (IPP) (8*135)		1080	448	386	11.94	498	
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	439	442	11.52	480	
<b>Thermal (Total)</b>		<b>8026</b>	<b>4340</b>	<b>4277</b>	<b>106</b>	<b>4421</b>	
Total Hydro		550	271	92	4.12	172	
Wind power		2798	718	625	16.09	670	
Biomass		99	29	29	0.77	32	
Solar		730	0	0	0.20	8	
Renewable/Others (Total)		3627	747	654	17.05	711	
<b>Total Rajasthan</b>		<b>12203</b>	<b>5358</b>	<b>5023</b>	<b>127.26</b>	<b>5303</b>	
UP		Anpara TPS (3*210+2*500)	1630	1329	1291	31.30	1304
	Obra TPS (2*50+2*94+5*200)	1194	229	332	6.70	279	
	Paricha TPS (2*110+2*220+2*250)	1140	775	777	18.70	779	
	Panki TPS (2*105)	210	45	54	1.20	50	
	Harduaganj TPS (1*60+1*105+2*250)	665	485	486	11.50	479	
	Tanda TPS (NTPC) (4*110)	440	393	345	9.10	379	
	Roza TPS (IPP) (4*300)	1200	1062	770	23.26	969	
	Anpara-C (IPP) (2*600)	1200	975	959	22.81	950	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	320	282	7.26	303	
	<b>Thermal (Total)</b>	<b>8129</b>	<b>5613</b>	<b>5296</b>	<b>131.83</b>	<b>5493</b>	
	Vishnuparyag HPS (IPP)	400	79	74	1.81	75	
	Other Hydro	527	181	110	4.02	167	
	Cogeneration	981	800	800	19.20	800	
	<b>Total UP</b>	<b>10037</b>	<b>6673</b>	<b>6280</b>	<b>156.86</b>	<b>6460</b>	
	Uttarakhand	Total Hydro	1398	445	260	8.01	334
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>445</b>	<b>260</b>	<b>8.01</b>	<b>334</b>
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	0	0	0.00	0	
	Pragati Gas Turbine (2x104+ 1x122)	330	300	302	6.88	287	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (6*250)	1370	315	290	7.21	301	
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	325	8.20	342	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>940</b>	<b>917</b>	<b>22.29</b>	<b>929</b>	
<b>Total Delhi</b>	<b>2917</b>	<b>940</b>	<b>917</b>	<b>22.29</b>	<b>929</b>		
HP	Baspa HPS (IPP) (2*150)	300	28	0	1.05	44	
	Malana HPS (IPP) (2*43)	86	0	0	0.18	7	
	Other Hydro	728	172	51	2.87	120	
	<b>Total HP</b>	<b>1114</b>	<b>200</b>	<b>51</b>	<b>4.10</b>	<b>171</b>	
J & K	Baqilhar HPS (IPP) (3*150)	450	152	150	3.60	150	
	Other Hydro/IPP	436	63	48	1.21	50	
	Gas/Diesel/Others	209	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1094</b>	<b>215</b>	<b>198</b>	<b>4.81</b>	<b>200</b>	
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>19264</b>	<b>17204</b>	<b>451.78</b>	<b>18749</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>4008</b>	<b>4344</b>	<b>116.95</b>	<b>4873</b>	
<b>Total Regional Availability(Gross)</b>		<b>64017</b>	<b>39791</b>	<b>30869</b>	<b>855.50</b>	<b>35571</b>	

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	6425	599	57.83	2410
State Control Area Hydro	5684	1614	927	36.11	1429
<b>Total Regional Hydro</b>	<b>17116</b>	<b>8039</b>	<b>1526</b>	<b>93.94</b>	<b>3839</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 B/B	250	200	400	0	4.77	0.00	4.77
Gwalior-Agra (D/C)	1154	1488	2000	0	39.79	0.00	39.79
Zerda-Kankroli	-184	-186	33	305	0.00	2.55	-2.55
Zerda-Bhinmal	-118	-93	158	287	0.00	0.64	-0.64
Malanpur-Auraiya	90	70	0	130	0.00	2.19	-2.19
Badod-Kota/Morak	-25	-87	22	123	0.00	0.87	-0.87
Mundra-Mohindergarh(HVDC)	1901	1698	2103	0	45.31	0.00	45.31
Vindhychal - Rihand	414	328	499	0	8.48	0.00	8.48
<b>Sub Total WR</b>	<b>3482</b>	<b>3418</b>			<b>98.35</b>	<b>6.25</b>	<b>92.10</b>
Pusauli Bypass	500	500	500	0	10.77	0.00	10.77
MZP- GKP (D/C)	-174	110	236	0	2.18	0.00	2.18
Patna-Balia(D/C)	0	0	0	0	0.00	0.00	0.00
B'Sharif-Balia (D/C)	0	0	0	0	0.00	0.00	0.00
Pusauli-Balia	0	0	0	0	0.00	0.00	0.00
Gaya-Fatehpur (765 Kv)	184	249	558	0	8.61	0.00	8.61
Pusauli-Sahupuri	120	143	158	0	2.84	0.00	2.84
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-33	-36	0	44	0.00	0.90	-0.90
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-71	-40	277	85	1.35	0.00	1.35
<b>Sub Total ER</b>	<b>526</b>	<b>926</b>			<b>25.75</b>	<b>0.90</b>	<b>24.85</b>
<b>Total IR Exch</b>	<b>4008</b>	<b>4344</b>			<b>124.10</b>	<b>7.15</b>	<b>116.95</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
24.55	0.32	24.87	10.41	-8.25	8.99	26.10	5.85	-5.85

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
50.12	83.23	133.35	24.85	92.10	116.95	-25.27	8.87	-16.40

**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	0.80	2.30	14.00	45.50	51.50	18.30	16.20	2.10	NA

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time	Hz				
50.32	23.59.00	49.63	9.20.00	50.01	0.10	0.10	0.00	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	409	04:33	401	09:22	0.0	0.0	0.0	0.0
Gorakhpur	400	413	05:04	389	10:13	0.0	0.4	0.0	0.0
Bareilly	400	424	05:04	385	09:09	0.0	0.0	4.2	0.0
Kanpur	400	422	05:00	395	10:31	0.0	0.0	1.1	0.0
Dadri	400	420	02:59	398	12:12	19.9	19.9	0.0	0.0
Ballabgarh	400	430	05:02	402	09:18	0.0	0.0	38.9	0.0
Bawana	400	427	03:01	405	12:17	0.0	0.0	33.2	0.0
Bassi	400	428	05:02	385	09:17	0.0	2.6	15.3	0.0
Hissar	400	416	05:01	395	09:18	0.0	0.0	0.0	0.0
Moga	400	422	00:00	403	10:18	0.0	0.0	0.9	0.0
Abdullapur	400	421	02:59	396	18:06	0.0	0.0	1.1	0.0
Nalagarh	400	429	21:55	410	18:09	0.0	0.0	40.6	0.0
Kishenpur	400	415	03:04	391	18:26	0.0	0.0	0.0	0.0
Wagoora	400	399	13:02	364	18:26	46.4	81.6	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	784	05:03	732	09:21	0.0	7.7	0.0	0.0
Balia	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Moga	765	798	00:00	762	10:18	0.0	0.0	0.0	0.0
Agra	765	795	05:01	742	09:19	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	776	05:03	728	10:08	0.0	20.0	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	497.69	1006.54	502.20	1192.70	125.70	477.11
Pong	426.72	384.05	405.39	352.07	412.07	566.84	45.42	358.38
Tehri	829.79	740.04	809.95	802.00	812.80	855.30	39.43	188.00
Koteshwar	612.50	598.50	610.20	4.69	609.47	4.44	188.00	187.00
Chamera-I	760.00	748.75	759.57	0.00	0.00	0.00	42.61	40.85
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	506.70	2.60	511.64	2.05	28.79	75.11

\* 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	-419	63	0	-439	3	0	-11.12	0.53	-10.59
Delhi	-903	-57	-15	-546	306	-5	-14.06	4.63	-9.43
Haryana	-894	113	0	-894	30	0	-22.86	-0.94	-23.80
HP	475	46	0	446	-143	0	12.02	-1.35	10.67
J&K	599	-6	0	424	274	0	11.53	2.56	14.09
CHD	-31	0	0	0	20	0	-0.25	0.67	0.42
Rajasthan	812	666	2	846	61	0	20.72	17.58	38.30
UP	70	0	0	112	775	0	0.77	3.59	4.36
Uttarakhand	213	249	37	213	301	1	5.12	8.85	13.97
<b>Total</b>	<b>-77</b>	<b>1075</b>	<b>24</b>	<b>161</b>	<b>1626</b>	<b>-4</b>	<b>1.88</b>	<b>36.11</b>	<b>37.99</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-419	-513	213	0	0	0
Delhi	-247	-903	699	-88	0	-15
Haryana	-894	-1063	114	-385	0	0
HP	540	426	49	-392	0	0
J&K	599	424	274	-18	0	0
CHD	0	-31	73	0	0	0
Rajasthan	985	812	1679	60	2	0
UP	132	-144	775	0	0	0
Uttarakhand	213	213	453	14	37	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 31.12.2014 :**

Fog

**XIV. Synchronisation of new generating units :**

0.00

**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 :**