

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 12.11.2014  
Date of Reporting : 13.11.2014

### 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
37135	1560	38695	50.17	29450	2065	31515	50.10	778.4	57.58

\* 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	32.16	8.70		40.85	50.24	51.59	1.34	92.44	0.00
Haryana	53.01	0.53		53.54	49.22	48.82	-0.40	102.35	0.00
Rajasthan	114.56	5.29	10.72	130.57	69.95	73.24	3.29	203.81	0.00
Delhi	17.22			17.22	43.89	42.03	-1.87	59.24	0.00
UP	122.00	3.70	2.40	128.10	90.17	93.39	3.21	221.48	56.31
Uttarakhand		7.96		7.96	22.67	23.81	1.14	31.76	1.27
HP		6.35		6.35	17.56	18.45	0.89	24.80	0.00
J & K		8.14	0.00	8.14	28.34	30.95	2.61	39.09	0.00
Chandigarh				0.00	3.34	3.47	0.13	3.47	0.00
<b>Total</b>	<b>338.94</b>	<b>40.66</b>	<b>13.12</b>	<b>392.72</b>	<b>375.39</b>	<b>385.72</b>	<b>10.34</b>	<b>778.44</b>	<b>57.58</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	4250	0	-129	-184	3295	0	24	-375	4984
Haryana	5719	0	-300	-645	3679	0	97	-650	5719
Rajasthan	8963	0	-136	240	7946	0	-34	993	9525
Delhi	3185	0	107	-563	1662	0	-237	-775	3185
UP	9996	1520	-114	148	9443	2065	402	91	10138
Uttarakhand	1683	40	48	473	1117	0	80	438	1683
HP	1258	0	32	27	780	0	3	324	1357
J&K	1892	0	61	334	1436	0	-13	274	1892
Chandigarh	189	0	-10	0	92	0	-3	-31	189
<b>Total</b>	<b>37135</b>	<b>1560</b>	<b>-440</b>	<b>-170</b>	<b>29450</b>	<b>2065</b>	<b>319</b>	<b>289</b>	<b>37135</b>

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

# figures may not be at simultaneous hour.

Diversity is 1.04

### 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	1546	1630	1631	37.12	1546	37.10	0.02
Rihand I STPS (2*500)	1000	848	787	888	21.62	901	20.02	1.59
Rihand II STPS (2*500)	1000	970	974	1025	24.37	1016	22.87	1.50
Rihand III STPS (2*500)	1000	468	470	476	11.74	489	10.77	0.97
Dadri I STPS (4*210)	840	770	541	529	15.06	628	14.23	0.84
Dadri II STPS (2*490)	980	980	829	660	20.11	838	20.17	-0.06
Unchahar I TPS (2*210)	420	399	417	331	9.48	395	8.83	0.65
Unchahar II TPS (2*210)	420	200	216	149	4.50	188	4.14	0.36
Unchahar III TPS (1*220)	210	200	204	151	4.46	186	4.11	0.35
I-STPP (Jhajhar) (3*500)	1500	1500	1037	893	21.28	887	22.71	-1.43
Dadri GPS (4*130.19+2*154.51)	830	812	300	423	8.18	341	8.19	0.00
Anta GPS (3*88.71+1*153.2)	419	403	214	237	5.70	237	5.78	-0.08
Auraiva GPS (4*111.19+2*109.30)	663	432	141	164	3.62	151	3.54	0.09
Dadri Solar	5	1	0	0	0.02	1	0.03	-0.01
Unchahar Solar	10	3	0	0	0.03	1	0.07	-0.04
<b>Sub Total (A)</b>	<b>11297</b>	<b>9530</b>	<b>7760</b>	<b>7557</b>	<b>187</b>	<b>7804</b>	<b>183</b>	<b>5</b>
<b>B. NPC</b>								
NAPS (2*220)	440	287	331	332	7.02	292	6.89	0.13
RAPS-B (2*220)	440	404	449	451	9.68	403	9.70	-0.02
RAPS-C (2*220)	440	400	442	447	9.59	399	9.38	0.21
<b>Sub Total (B)</b>	<b>1320</b>	<b>1091</b>	<b>1222</b>	<b>1230</b>	<b>26.28</b>	<b>1095</b>	<b>25.96</b>	<b>0.31</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	531	0	2.46	103	2.40	0.06
Chamera II HPS (3*100)	300	300	298	0	1.63	68	1.55	0.08
Chamera III HPS (3*77)	231	231	223	0	1.04	43	1.00	0.04
Bairasuli HPS(3*60)	180	178	161	0	0.77	32	0.72	0.05
Salal-HPS (6*115)	690	192	205	206	4.87	203	4.67	0.20
Tanakpur-HPS (3*40)	94	41	57	38	1.02	42	0.98	0.04
Uri-I HPS (4*120)	480	236	265	232	6.11	255	5.67	0.44
Uri-II HPS (4*60)	240	146	178	135	3.61	150	3.54	0.07
Dhauliganga-HPS (4*70)	280	207	210	0	1.56	65	1.50	0.06
Dulhasti-HPS (3*130)	390	387	398	230	4.04	168	3.80	0.24
Sewa-II HPS (3*40)	120	119	113	0	0.36	15	0.38	-0.01
Parbati 3 (4*130)	520	260	257	0	0.52	21	0.55	-0.04
<b>Sub Total (C)</b>	<b>4065</b>	<b>2832</b>	<b>2897</b>	<b>841</b>	<b>28</b>	<b>1166</b>	<b>27</b>	<b>1</b>
<b>D. SJVNL</b>								
NJPC (6*250)	1500	1605	1616	0	9.78	408	9.50	0.28
Rampur HEP (4*68.67)	275	350	364	0	2.57	107	2.53	0.04
<b>Sub Total (D)</b>	<b>1775</b>	<b>1955</b>	<b>1980</b>	<b>0</b>	<b>12.35</b>	<b>515</b>	<b>12.03</b>	<b>0.32</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	1060	1034	0	6.84	285	6.80	0.04
Koteshwar HPS (4*100)	400	91	100	90	2.22	92	2.20	0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>1151</b>	<b>1134</b>	<b>90</b>	<b>9.06</b>	<b>377</b>	<b>9.00</b>	<b>0.06</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	541	1026	364	12.77	532	12.98	-0.21
Dehar HPS (6*165)	990	152	495	0	3.88	162	3.65	0.24
Pong HPS (6*66)	396	197	318	126	4.86	203	4.73	0.14
<b>Sub Total (F)</b>	<b>2900</b>	<b>890</b>	<b>1839</b>	<b>490</b>	<b>21.52</b>	<b>897</b>	<b>21.35</b>	<b>0.17</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	77	0	0.65	27	0.64	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	860	0	5.28	220	5.28	-0.01
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)	300	0	137	102	2.87	119	2.85	0.02
Budhil HPS(IPP)	70	0	70	0	0.18	7	0.18	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1145</b>	<b>102</b>	<b>8.97</b>	<b>374</b>	<b>8.95</b>	<b>0.02</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24419</b>	<b>17449</b>	<b>17977</b>	<b>10310</b>	<b>293.44</b>	<b>12227</b>	<b>286.59</b>	<b>6.85</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	3.82	159
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	80	80	1.81	76
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	367	372	8.53	355
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	705	691	17.99	750
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1312</b>	<b>1303</b>	<b>32.16</b>	<b>1340</b>
	Total Hydro	1148	294	374	8.70	362
<b>Total Punjab</b>	<b>5828</b>	<b>1606</b>	<b>1677</b>	<b>40.85</b>	<b>1702</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	226	207	4.88	203
	DCRTPP (Yamuna nagar) (2*300)	600	266	237	5.70	237
	Faridabad GPS (NTPC)	432	163	183	3.97	166
	RGTPP (khedar) (IPP) (2*600)	1200	1045	721	17.79	741
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1097	742	20.67	861
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2797</b>	<b>2090</b>	<b>53.01</b>	<b>2209</b>
	Total Hydro	62	17	22	0.53	22
	<b>Total Haryana</b>	<b>5006</b>	<b>2814</b>	<b>2112</b>	<b>53.54</b>	<b>2231</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	815	768	19.47
suratgarh TPS (6*250)		1500	1138	956	24.90	1038
Chabra TPS (3*250)		750	432	412	10.07	420
Dholpur GPS (3*110)		330	118	121	2.98	124
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	165	164	4.26	178
RAPS A (NPC) (1*100+1*200)		300	187	168	4.41	184
Barsingsar (NLC) (2*125)		250	185	170	4.40	183
Giral LTPS (2*125)		250	78	75	1.61	67
Rajwest LTPS (IPP) (8*135)		1080	682	493	14.57	607
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(1*600)		600	100	465	5.35	223
Kawai(Adani) (2*660)		1320	980	947	22.54	939
<b>Thermal (Total)</b>		<b>8026</b>	<b>4880</b>	<b>4739</b>	<b>115</b>	<b>4773</b>
Total Hydro		550	266	111	5.29	220
Wind power		2798	454	412	9.23	385
Biomass		99	42	42	1.00	42
Solar		730	0	0	0.48	20
Renewable/Others (Total)		3627	496	454	10.72	446
<b>Total Rajasthan</b>		<b>12203</b>	<b>5642</b>	<b>5304</b>	<b>130.57</b>	<b>5440</b>
UP		Anpara TPS (3*210+2*500)	1630	916	923	22.00
	Obra TPS (2*50+2*94+5*200)	1194	436	290	8.10	338
	Paricha TPS (2*110+2*220+2*250)	1140	506	663	14.30	596
	Panki TPS (2*105)	210	72	113	2.20	92
	Harduaganj TPS (1*60+1*105+2*250)	665	502	488	11.80	492
	Tanda TPS (NTPC) (4*110)	440	282	280	6.83	284
	Roza TPS (IPP) (4*300)	1200	1008	1058	24.62	1026
	Anpara-C (IPP) (2*600)	1200	972	993	23.39	975
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	392	361	8.75	365
	<b>Thermal (Total)</b>	<b>8129</b>	<b>5086</b>	<b>5169</b>	<b>122.00</b>	<b>5083</b>
	Vishnuparyag HPS (IPP)	400	119	114	2.71	113
	Other Hydro	527	37	40	0.99	41
	Cogeneration	981	100	100	2.40	100
	<b>Total UP</b>	<b>10037</b>	<b>5342</b>	<b>5423</b>	<b>128.10</b>	<b>5224</b>
	Uttarakhand	Total Hydro	1398	461	244	7.96
<b>Total Uttarakhand</b>		<b>1398</b>	<b>461</b>	<b>244</b>	<b>7.96</b>	<b>332</b>
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	82	77	1.96	82
	Pragati Gas Turbine (2x104+ 1x122)	330	144	141	3.43	143
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	311	243	7.14	298
	Badarpur TPS (NTPC) (3*95+2*210)	705	143	161	4.68	195
	<b>Thermal (Total)</b>	<b>2917</b>	<b>680</b>	<b>622</b>	<b>17.22</b>	<b>717</b>
<b>Total Delhi</b>	<b>2917</b>	<b>680</b>	<b>622</b>	<b>17.22</b>	<b>717</b>	
HP	Baspa HPS (IPP) (2*150)	300	30	30	1.48	62
	Malana HPS (IPP) (2*43)	86	70	0	0.27	11
	Other Hydro	728	193	176	4.60	192
	<b>Total HP</b>	<b>1114</b>	<b>293</b>	<b>206</b>	<b>6.35</b>	<b>265</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	298	214	5.62	234
	Other Hydro/IPP	436	105	105	2.52	105
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>403</b>	<b>319</b>	<b>8.14</b>	<b>339</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>17241</b>	<b>15907</b>	<b>392.72</b>	<b>16250</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>3654.54</b>	<b>4250.48</b>	<b>117.23</b>	<b>4885</b>
<b>Total Regional Availability(Gross)</b>		<b>64017</b>	<b>38873</b>	<b>30468</b>	<b>803.39</b>	<b>33362</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	8787	1421	76.83	3201
State Control Area Hydro	5684	1771	1316	40.66	1581
<b>Total Regional Hydro</b>	<b>17116</b>	<b>10558</b>	<b>2737</b>	<b>117.49</b>	<b>4782</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	-100	-300	0	300	0.00	4.91	-4.91
Gwalior-Agra (D/C)	835	1101	1811	0	31.90	0.00	31.90
Zerda-Kankroli	-190	-187	0	335	0.00	3.78	-3.78
Zerda-Bhinmal	-145	-85	75	373	0.00	1.79	-1.79
Malanpur-Auraiya	-68	-156	0	160	0.00	2.50	-2.50
Badod-Kota/Morak	-75	-228	0	240	0.00	3.86	-3.86
Mundra-Mohindergarh(HVDC)	2199	2198	2213	0	53.20	0.00	53.20
Vindhychal - Rihand	447	356	506	0	11.30	0.00	11.30
<b>Sub Total WR</b>	<b>2903</b>	<b>2699</b>			<b>96.41</b>	<b>16.84</b>	<b>79.57</b>
Pusauli Bypass	200	200	200	0	4.84	0.00	4.84
MZP- GKP (D/C)	60	270	416	100	4.26	0.00	4.26
Patna-Balia(D/C)	567	718	893	0	18.01	0.00	18.01
B'Sharif-Balia (D/C)	-97	62	226	142	1.48	0.00	1.48
Pusauli-Balia	-130	-93	0	143	0.00	2.17	-2.17
Gaya-Fatehpur (765 Kv)	96	245	491	0	6.75	0.00	6.75
Pusauli-Sahupuri	107	101	146	0	2.41	0.00	2.41
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-34	-43	0	43	0.00	0.85	-0.85
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-17	91	315	58	2.94	0.00	2.94
<b>Sub Total ER</b>	<b>752</b>	<b>1551</b>			<b>40.67</b>	<b>3.01</b>	<b>37.66</b>
<b>Total IR Exch</b>	<b>3655</b>	<b>4250</b>			<b>137.08</b>	<b>19.85</b>	<b>117.23</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
25.65	1.01	26.66	5.87	-14.43	1.17	12.72	4.54	-4.54

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
38.23	69.60	107.83	37.66	79.57	117.23	-0.58	9.97	9.40

**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	0.35	3.37	17.56	45.31	47.74	19.88	13.11	1.78	0.00

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	12.02	49.63	6.37	50.00	0.11	0.10	50.29	49.84

**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	413	13:11	403	22:21	0.7	0.7	0.0	0.0
Gorakhpur	400	232	08:00	222	18:24	100.0	100.0	0.0	0.0
Bareilly	400	419	01:18	402	06:21	0.0	0.0	0.0	0.0
Kanpur	400	420	01:12	402	09:32	0.0	0.0	0.0	0.0
Dadri	400	418	01:15	402	09:25	2.4	2.4	0.0	0.0
Ballabgarh	400	427	04:00	261	18:25	29.4	29.4	35.1	0.0
Bawana	400	424	04:01	407	09:26	0.0	0.0	24.2	0.0
Bassi	400	428	20:58	391	09:24	0.0	0.0	8.8	0.0
Hissar	400	416	04:01	398	09:16	0.0	0.0	0.0	0.0
Moga	400	424	04:00	404	09:16	0.0	0.0	18.5	0.0
Abdullapur	400	425	21:00	396	05:53	0.0	0.0	17.4	0.0
Nalagarh	400	432	04:00	409	06:39	0.0	0.0	40.0	3.8
Kishenpur	400	424	00:01	393	18:36	0.0	0.0	20.2	0.0
Wagoora	400	413	04:00	376	18:32	1.6	12.8	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	775	01:14	738	09:36	0.0	1.7	0.0	0.0
Balia	765	769	08:04	745	18:24	0.0	0.0	0.0	0.0
Moga	765	802	04:00	762	18:23	0.0	0.0	0.6	0.0
Agra	765	788	04:03	750	09:18	0.0	0.0	0.0	0.0
Bhiwani	765	788	00:00	788	00:00	0.0	0.0	0.0	0.0
Unnao	765	772	01:16	746	09:32	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	505.50	1325.82	509.94	1545.02	100.38	383.78
Pong	426.72	384.05	412.16	566.84	418.89	834.82	72.94	304.38
Tehri	829.79	740.04	822.20	1049.00	823.00	1065.64	67.58	150.00
Koteshwar	612.50	598.50	609.27	4.21	611.25	5.20	150.00	147.00
Chamera-I	760.00	748.75	759.70	0.00	0.00	0.00	0.00	0.00
Rihand	268.22	252.98	853.30	309.60	859.00	407.50	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	510.30	2.31	516.79	3.14	58.81	104.65

\* 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	-392	17	0	-367	183	0	-9.00	3.02	-5.99
Delhi	-766	0	-9	-586	54	-31	-14.16	0.74	-13.42
Haryana	-794	144	0	-786	141	0	-20.23	1.31	-18.92
HP	324	0	0	300	-273	0	7.38	-1.73	5.65
J&K	274	0	0	334	0	0	6.57	-0.06	6.51
CHD	-31	0	0	0	0	0	-0.24	0.18	-0.06
Rajasthan	490	503	1	490	-250	1	11.75	9.08	20.83
UP	91	0	0	148	0	0	2.79	0.00	2.79
Uttarakhand	293	145	0	293	180	0	7.03	4.53	11.56
<b>Total</b>	<b>-511</b>	<b>808</b>	<b>-8</b>	<b>-175</b>	<b>35</b>	<b>-30</b>	<b>-8.11</b>	<b>17.07</b>	<b>8.96</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-367	-392	366	6	0	0
Delhi	-485	-766	162	-41	-9	-31
Haryana	-786	-998	145	-269	0	0
HP	324	300	66	-577	0	0
J&K	343	236	0	-10	0	0
CHD	0	-31	25	0	0	0
Rajasthan	490	490	762	-805	1	0
UP	153	91	0	0	0	0
Uttarakhand	293	293	328	97	0	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 12.11.2014 :**

Normal

**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 :**