

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 10.11.2014  
Date of Reporting : 11.11.2014

### 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
36470	1785	38255	50.19	29253	1845	31098	50.20	762.2	62.74

\* 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	29.69	5.90		35.59	52.35	52.60	0.25	88.19	0.00
Haryana	54.62	0.53		55.15	47.33	46.27	-1.06	101.42	0.00
Rajasthan	119.41	5.64	10.37	135.43	64.23	64.33	0.09	199.75	0.00
Delhi	22.86			22.86	40.05	39.41	-0.64	62.27	0.00
UP	120.30	4.00	2.40	126.70	85.37	87.61	2.24	214.31	60.54
Uttarakhand		8.36		8.36	20.25	21.84	1.59	30.20	2.20
HP		6.55		6.55	16.98	17.93	0.95	24.48	0.00
J & K		8.15	0.00	8.15	28.08	30.02	1.93	38.17	0.00
Chandigarh				0.00	3.18	3.38	0.20	3.38	0.00
<b>Total</b>	<b>346.89</b>	<b>39.13</b>	<b>12.77</b>	<b>398.79</b>	<b>357.84</b>	<b>363.39</b>	<b>5.55</b>	<b>762.18</b>	<b>62.74</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	4109	0	-41	5	3153	0	13	-234	4441
Haryana	5641	0	-239	-944	3800	0	72	-767	5641
Rajasthan	8766	0	-156	62	7837	0	-21	854	9061
Delhi	2991	0	-208	-547	1979	0	7	-846	3243
UP	10136	1640	188	148	9187	1845	321	71	10136
Uttarakhand	1573	145	40	391	1010	0	18	331	1581
HP	1204	0	58	19	792	0	80	324	1320
J&K	1865	0	57	445	1403	0	-17	288	1912
Chandigarh	185	0	-4	0	92	0	6	-31	185
<b>Total</b>	<b>36470</b>	<b>1785</b>	<b>-306</b>	<b>-421</b>	<b>29253</b>	<b>1845</b>	<b>479</b>	<b>-10</b>	<b>36470</b>

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

# figures may not be at simultaneous hour.

Diversity is 1.03

### 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	1559	1652	1643	37.58	1566	37.41	0.17
Rihand I STPS (2*500)	1000	414	449	461	11.02	459	9.89	1.13
Rihand II STPS (2*500)	1000	970	1030	986	24.38	1016	22.76	1.62
Rihand III STPS (2*500)	1000	470	494	484	11.97	499	10.97	1.00
Dadri I STPS (4*210)	840	815	550	535	16.28	678	15.47	0.81
Dadri II STPS (2*490)	980	980	836	664	19.98	833	19.79	0.19
Unchahar I TPS (2*210)	420	337	304	419	8.73	364	7.88	0.85
Unchahar II TPS (2*210)	420	169	146	200	4.33	181	3.88	0.46
Unchahar III TPS (1*220)	210	169	140	210	4.26	178	3.86	0.40
I-STPP (Jhajhar) (3*500)	1500	1500	1028	887	20.61	859	21.79	-1.18
Dadri GPS (4*130.19+2*154.51)	830	809	347	200	7.65	319	7.65	0.00
Anta GPS (3*88.71+1*153.2)	419	403	197	248	6.05	252	5.96	0.09
Auraiva GPS (4*111.19+2*109.30)	663	521	155	164	3.80	158	3.67	0.12
Dadri Solar	5	1	0	0	0.02	1	0.03	-0.01
Unchahar Solar	10	3	0	0	0.04	2	0.07	-0.03
<b>Sub Total (A)</b>	<b>11297</b>	<b>9119</b>	<b>7328</b>	<b>7101</b>	<b>177</b>	<b>7362</b>	<b>171</b>	<b>6</b>
<b>B. NPC</b>								
NAPS (2*220)	440	286	321	327	6.88	287	6.86	0.02
RAPS- B (2*220)	440	404	452	451	9.69	404	9.70	0.00
RAPS- C (2*220)	440	341	215	215	4.76	198	4.56	0.20
<b>Sub Total (B)</b>	<b>1320</b>	<b>1031</b>	<b>988</b>	<b>993</b>	<b>21.34</b>	<b>889</b>	<b>21.12</b>	<b>0.22</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	523	0	2.07	86	2.00	0.07
Chamera II HPS (3*100)	300	300	305	0	1.60	67	1.53	0.07
Chamera III HPS (3*77)	231	231	215	0	1.05	44	1.00	0.05
Bairasuli HPS(3*60)	180	178	179	0	0.83	35	0.76	0.07
Salal-HPS (6*115)	690	196	205	212	5.06	211	4.69	0.37
Tanakpur-HPS (3*40)	94	42	59	42	1.04	43	1.01	0.04
Uri-I HPS (4*120)	480	238	226	237	6.13	255	5.72	0.40
Uri-II HPS (4*60)	240	149	167	141	3.68	153	3.57	0.12
Dhauliganga-HPS (4*70)	280	207	205	69	1.89	79	1.79	0.09
Dulhasti-HPS (3*130)	390	387	395	224	4.12	172	3.90	0.22
Sewa-II HPS (3*40)	120	119	114	0	0.38	16	0.38	0.01
Parbati 3 (4*130)	520	260	258	0	0.59	25	0.59	0.01
<b>Sub Total (C)</b>	<b>4065</b>	<b>2841</b>	<b>2849</b>	<b>925</b>	<b>28</b>	<b>1185</b>	<b>27</b>	<b>2</b>
<b>D.SJVNL</b>								
NJPC (6*250)	1500	1568	1108	0	9.47	394	9.50	-0.03
Rampur HEP (4*68.67)	275	350	315	0	2.66	111	2.63	0.03
<b>Sub Total (D)</b>	<b>1775</b>	<b>1918</b>	<b>1423</b>	<b>0</b>	<b>12.12</b>	<b>505</b>	<b>12.12</b>	<b>0.00</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	1060	1058	0	5.53	231	5.40	0.13
Koteshwar HPS (4*100)	400	91	100	0	1.78	74	1.75	0.03
<b>Sub Total (E)</b>	<b>1400</b>	<b>1151</b>	<b>1158</b>	<b>0</b>	<b>7.31</b>	<b>305</b>	<b>7.15</b>	<b>0.16</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	527	1068	363	12.50	521	12.64	-0.14
Dehar HPS (6*165)	990	158	495	0	3.89	162	3.79	0.10
Pong HPS (6*66)	396	242	318	126	5.86	244	5.81	0.05
<b>Sub Total (F)</b>	<b>2900</b>	<b>926</b>	<b>1881</b>	<b>489</b>	<b>22.24</b>	<b>927</b>	<b>22.23</b>	<b>0.01</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	65	0	0.71	30	0.70	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	860	0	5.50	229	5.40	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	137	110	2.93	122	2.81	0.11
Budhil HPS(IPP)	70	0	70	0	0.21	9	0.21	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1132</b>	<b>110</b>	<b>9.35</b>	<b>389</b>	<b>9.12</b>	<b>0.22</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24419</b>	<b>16987</b>	<b>16760</b>	<b>9618</b>	<b>277.50</b>	<b>11562</b>	<b>269.74</b>	<b>7.76</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	3.69	154
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	80	80	1.75	73
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	370	369	8.42	351
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	690	707	15.83	660
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1300</b>	<b>1316</b>	<b>29.69</b>	<b>1237</b>
	Total Hydro	1148	227	197	5.90	246
<b>Total Punjab</b>	<b>5828</b>	<b>1527</b>	<b>1513</b>	<b>35.59</b>	<b>1483</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	206	210	4.81	201
	DCRTPP (Yamuna nagar) (2*300)	600	271	235	5.75	240
	Faridabad GPS (NTPC)	432	200	190	4.60	192
	RGTPP (khedar) (IPP) (2*600)	1200	1074	724	17.62	734
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1133	742	21.84	910
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2884</b>	<b>2101</b>	<b>54.62</b>	<b>2276</b>
	Total Hydro	62	16	18	0.53	22
	<b>Total Haryana</b>	<b>5006</b>	<b>2900</b>	<b>2119</b>	<b>55.15</b>	<b>2298</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	828	792	19.80
suratgarh TPS (6*250)		1500	977	969	24.10	1004
Chabra TPS (3*250)		750	415	392	10.20	425
Dholpur GPS (3*110)		330	97	121	2.84	118
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	123	123	3.41	142
RAPS A (NPC) (1*100+1*200)		300	183	165	4.40	183
Barsingsar (NLC) (2*125)		250	170	170	4.40	183
Giral LTPS (2*125)		250	77	35	1.16	48
Rajwest LTPS (IPP) (8*135)		1080	648	436	14.20	592
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(1*600)		600	397	390	8.50	354
Kawai(Adani) (2*660)		1320	1176	943	26.40	1100
<b>Thermal (Total)</b>		<b>8026</b>	<b>5091</b>	<b>4536</b>	<b>119</b>	<b>4975</b>
Total Hydro		550	229	202	5.64	235
Wind power		2798	236	793	9.23	384
Biomass		99	35	35	0.85	35
Solar		730	0	0	0.30	12
Renewable/Others (Total)		3627	271	828	10.37	432
<b>Total Rajasthan</b>		<b>12203</b>	<b>5591</b>	<b>5566</b>	<b>135.43</b>	<b>5643</b>
UP		Anpara TPS (3*210+2*500)	1630	936	939	22.20
	Obra TPS (2*50+2*94+5*200)	1194	297	476	7.50	313
	Paricha TPS (2*110+2*220+2*250)	1140	759	794	18.60	775
	Panki TPS (2*105)	210	126	126	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	464	333	10.00	417
	Tanda TPS (NTPC) (4*110)	440	284	278	6.90	288
	Roza TPS (IPP) (4*300)	1200	955	774	20.30	846
	Anpara-C (IPP) (2*600)	1200	989	991	23.80	992
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	313	361	7.80	325
	<b>Thermal (Total)</b>	<b>8129</b>	<b>5123</b>	<b>5072</b>	<b>120.30</b>	<b>5013</b>
	Vishnuparyag HPS (IPP)	400	123	118	2.80	117
	Other Hydro	527	37	37	1.20	50
	Cogeneration	981	100	100	2.40	100
	<b>Total UP</b>	<b>10037</b>	<b>5383</b>	<b>5327</b>	<b>126.70</b>	<b>5163</b>
	Uttarakhand	Total Hydro	1398	492	215	8.36
<b>Total Uttarakhand</b>		<b>1398</b>	<b>492</b>	<b>215</b>	<b>8.36</b>	<b>348</b>
Delhi	Raighat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	75	79	1.87	78
	Pragati Gas Turbine (2x104+ 1x122)	330	258	263	5.96	248
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	315	245	7.08	295
	Badarpur TPS (NTPC) (3*95+2*210)	705	308	313	7.98	333
	<b>Thermal (Total)</b>	<b>2917</b>	<b>956</b>	<b>900</b>	<b>22.86</b>	<b>953</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>956</b>	<b>900</b>	<b>22.86</b>	<b>953</b>
HP	Baspa HPS (IPP) (2*150)	300	30	0	1.49	62
	Malana HPS (IPP) (2*43)	86	20	0	0.39	16
	Other Hydro	728	211	144	4.67	195
	<b>Total HP</b>	<b>1114</b>	<b>261</b>	<b>144</b>	<b>6.55</b>	<b>273</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	296	212	5.65	236
	Other Hydro/IPP	436	105	105	2.50	104
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>401</b>	<b>317</b>	<b>8.15</b>	<b>340</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>17511</b>	<b>16101</b>	<b>398.79</b>	<b>16500</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>3818</b>	<b>4234</b>	<b>118.73</b>	<b>4947</b>
<b>Total Regional Availability(Gross)</b>		<b>64017</b>	<b>38089</b>	<b>29954</b>	<b>795.02</b>	<b>33009</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	8237	1414	76.33	3181
State Control Area Hydro	5684	1663	1130	39.13	1514
<b>Total Regional Hydro</b>	<b>17116</b>	<b>9900</b>	<b>2544</b>	<b>115.47</b>	<b>4694</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	Import	Export	
Vindhychal B/B	-50	50	100	300	1.06	2.04	-0.98		
Gwalior-Agra (D/C)	1089	1115	1935	0	31.46	0.00	31.46		
Zerda-Kankroli	0	-156	51	160	0.00	1.11	-1.11		
Zerda-Bhinmal	-134	-88	175	194	0.00	0.59	-0.59		
Malanpur-Auraiya	-73	-154	0	168	0.00	2.86	-2.86		
Badod-Kota/Morak	-105	-224	0	259	0.00	4.55	-4.55		
Mundra-Mohindergarh(HVDC)	2098	1898	2105	0	49.00	0.00	49.00		
Vindhychal - Rihand	491	465	505	0	11.47	0.00	11.47		
<b>Sub Total WR</b>	<b>3316</b>	<b>2906</b>			<b>92.99</b>	<b>11.15</b>	<b>81.85</b>		
Pusauli Bypass	200	200	200	0	4.89	0.00	4.89		
MZP- GKP (D/C)	86	282	398	118	5.09	0.00	5.09		
Patna-Balia(D/C)	214	454	577	0	15.49	0.00	15.49		
B'Sharif-Balia (D/C)	63	104	199	0	2.50	0.00	2.50		
Pusauli-Balia	-113	-77	0	113	0.00	1.79	-1.79		
Gaya-Fatehpur (765 Kv)	58	233	449	0	6.72	0.00	6.72		
Pusauli-Sahupuri	115	96	140	0	2.18	0.00	2.18		
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00		
Son Ngr-Rihand	-44	-40	0	46	0.00	0.95	-0.95		
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
Sasaram - Fatehpur(765 KV)	-77	76	254	77	2.78	0.00	2.78		
<b>Sub Total ER</b>	<b>502</b>	<b>1328</b>			<b>39.63</b>	<b>2.75</b>	<b>36.88</b>		
<b>Total IR Exch</b>	<b>3818</b>	<b>4234</b>			<b>132.62</b>	<b>13.89</b>	<b>118.73</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
26.49	1.00	27.49	3.77	-13.16	3.90	7.23	0.36	-0.36

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
35.52	67.54	103.06	36.88	81.85	118.73	1.36	14.30	15.67

**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	1.94	8.99	27.79	64.42	52.52	28.65	6.41	0.52	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				
50.28	0.00	49.62	5.30	49.95	0.14	0.11	50.23	49.62

**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	415	20:42	409	14:37	0.0	0.0	0.0	0.0
Gorakhpur	400	233	20:50	224	05:25	100.0	100.0	0.0	0.0
Bareilly	400	422	20:43	401	05:49	0.0	0.0	1.4	0.0
Kanpur	400	423	20:54	403	05:50	0.0	0.0	1.6	0.0
Dadri	400	419	21:13	402	09:40	0.0	0.0	0.0	0.0
Ballabgarh	400	426	20:51	408	18:20	0.0	0.0	15.5	0.0
Bawana	400	423	04:02	405	18:12	0.0	0.0	16.0	0.0
Bassi	400	427	20:42	394	06:49	0.0	0.0	9.4	0.0
Hissar	400	415	20:53	396	09:39	0.0	0.0	0.0	0.0
Moga	400	423	04:02	404	09:39	0.0	0.0	9.8	0.0
Abdullapur	400	425	21:11	396	18:12	0.0	0.0	21.7	0.0
Nalagarh	400	432	04:02	408	18:11	0.0	0.0	37.9	2.6
Kishenpur	400	427	04:02	395	18:15	0.0	0.0	23.4	0.0
Wagoora	400	413	13:03	376	18:21	5.6	20.2	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	20:54	737	05:52	0.0	3.3	0.0	0.0
Balia	765	772	20:54	747	10:53	0.0	0.0	0.0	0.0
Moga	765	799	04:03	765	09:41	0.0	0.0	0.0	0.0
Agra	765	794	20:52	754	09:25	0.0	0.0	0.0	0.0
Bhiwani	765	788	15:38	788	15:38	0.0	0.0	0.0	0.0
Unnao	765	776	20:54	745	05:55	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	505.83	1352.81	510.12	1560.04	141.64	385.45
Pong	426.72	384.05	412.38	577.87	419.09	848.35	78.75	371.43
Tehri	829.79	740.04	822.50	1055.00	823.20	1065.00	67.47	121.00
Koteshwar	612.50	598.50	609.10	4.21	611.75	5.46	121.00	118.00
Chamera-I	760.00	748.75	759.72	0.00	0.00	0.00	61.13	55.85
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	510.40	0.60	517.00	3.12	46.00	49.00

\* 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	-239	6	0	-214	219	0	-5.34	3.32	-2.02
Delhi	-831	-5	-10	-600	63	-10	-14.80	0.62	-14.18
Haryana	-876	108	0	-1072	128	0	-23.07	1.44	-21.63
HP	324	0	0	300	-280	0	7.38	-1.98	5.40
J&K	288	0	0	347	98	0	6.89	0.27	7.16
CHD	-31	0	0	0	0	0	-0.24	0.19	-0.06
Rajasthan	490	363	1	490	-428	1	11.75	7.22	18.97
UP	71	0	0	148	0	0	2.54	0.00	2.54
Uttarakhand	244	87	0	244	147	0	5.86	3.46	9.32
<b>Total</b>	<b>-560</b>	<b>559</b>	<b>-9</b>	<b>-358</b>	<b>-54</b>	<b>-9</b>	<b>-9.03</b>	<b>14.54</b>	<b>5.51</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-214	-239	334	6	0	0
Delhi	-499	-831	137	-97	-10	-10
Haryana	-868	-1275	130	-120	0	0
HP	324	300	65	-542	0	0
J&K	356	249	98	-10	0	0
CHD	0	-31	25	0	0	0
Rajasthan	490	490	694	-633	1	1
UP	158	71	0	0	0	0
Uttarakhand	244	244	263	86	0	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 10.11.2014 :**

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 :**