

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 20.11.2014  
Date of Reporting : 21.11.2014

### 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
38175	1293	39468	50.13	28601	2265	30866	50.14	786.6	48.50

\* 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	42.87	6.41		49.28	47.83	50.41	2.59	99.70	0.00
Haryana	50.32	0.45		50.78	55.35	54.12	-1.23	104.89	0.00
Rajasthan	121.85	4.86	1.76	128.47	68.12	75.25	7.12	203.72	0.00
Delhi	20.62			20.62	38.86	37.87	-0.99	58.50	0.00
UP	117.10	3.50	4.80	125.40	93.87	94.17	0.30	219.57	48.22
Uttarakhand		7.94		7.94	23.77	25.00	1.23	32.94	0.28
HP		5.66		5.66	18.25	18.72	0.47	24.38	0.00
J & K		6.85	0.00	6.85	29.37	32.61	3.25	39.46	0.00
Chandigarh				0.00	3.33	3.42	0.10	3.42	0.00
<b>Total</b>	<b>352.77</b>	<b>35.67</b>	<b>6.56</b>	<b>395.00</b>	<b>378.74</b>	<b>391.58</b>	<b>12.84</b>	<b>786.57</b>	<b>48.50</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	4727	0	42	-203	3351	0	64	-419	5186
Haryana	5690	0	-327	-596	3535	0	67	-603	5690
Rajasthan	9122	0	287	353	7745	0	383	937	9438
Delhi	3181	3	5	-446	1640	0	-3	-848	3181
UP	10407	1250	86	138	8921	2265	231	75	10510
Uttarakhand	1717	40	-2	507	1102	0	45	472	1717
HP	1257	0	-17	74	740	0	-44	396	1340
J&K	1888	0	42	333	1479	0	91	282	1898
Chandigarh	185	0	-9	0	89	0	0	-31	185
<b>Total</b>	<b>38175</b>	<b>1293</b>	<b>107</b>	<b>161</b>	<b>28601</b>	<b>2265</b>	<b>834</b>	<b>262</b>	<b>38175</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	1350	1444	1484	32.29	1345	32.39	-0.10
Rihand I STPS (2*500)	1000	870	925	864	21.98	916	20.40	1.58
Rihand II STPS (2*500)	1000	970	1015	871	23.97	999	22.55	1.43
Rihand III STPS (2*500)	1000	474	485	500	11.97	499	11.38	0.60
Dadri I STPS (4*210)	840	788	656	544	16.27	678	15.71	0.56
Dadri II STPS (2*490)	980	980	834	686	20.67	861	21.01	-0.34
Unchahar I TPS (2*210)	420	400	412	318	9.76	407	9.10	0.66
Unchahar II TPS (2*210)	420	317	407	154	7.68	320	7.11	0.57
Unchahar III TPS (1*220)	210	200	183	154	4.62	192	4.27	0.34
I-STPP (Jhajhar) (3*500)	1500	1500	1282	890	21.26	886	22.79	-1.53
Dadri GPS (4*130.19+2*154.51)	830	823	547	501	13.29	554	13.18	0.11
Anta GPS (3*88.71+1*153.2)	419	412	285	245	8.15	340	8.38	-0.23
Auraiya GPS (4*111.19+2*109.30)	663	434	300	272	7.15	298	7.00	0.15
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>9521</b>	<b>8775</b>	<b>7483</b>	<b>199</b>	<b>8296</b>	<b>195</b>	<b>4</b>
<b>B. NPC</b>								
NAPS (2*220)	440	293	331	332	7.08	295	7.03	0.04
RAPS- B (2*220)	440	408	450	451	9.77	407	9.79	-0.02
RAPS- C (2*220)	440	410	454	457	9.88	412	9.84	0.04
<b>Sub Total (B)</b>	<b>1320</b>	<b>1111</b>	<b>1235</b>	<b>1240</b>	<b>26.72</b>	<b>1113</b>	<b>26.66</b>	<b>0.06</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	548	0	1.77	74	1.70	0.07
Chamera II HPS (3*100)	300	200	200	0	1.47	61	1.47	0.00
Chamera III HPS (3*77)	231	231	233	0	0.86	36	0.85	0.01
Bairasuli HPS(3*60)	180	120	120	0	0.66	28	0.60	0.06
Salal-HPS (6*115)	690	163	212	220	4.14	172	3.91	0.22
Tanakpur-HPS (3*40)	94	36	59	36	0.89	37	0.88	0.02
Uri-I HPS (4*120)	480	203	245	217	5.10	213	4.88	0.22
Uri-II HPS (4*60)	240	50	0	0	0.00	0	1.22	-1.22
Dhauliganga-HPS (4*70)	280	208	207	0	1.46	61	1.44	0.02
Dulhasti-HPS (3*130)	390	387	391	133	3.91	163	3.80	0.11
Sewa-II HPS (3*40)	120	79	81	0	0.24	10	0.24	0.00
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (C)</b>	<b>4065</b>	<b>2212</b>	<b>2296</b>	<b>606</b>	<b>20</b>	<b>854</b>	<b>21</b>	<b>0</b>
<b>D.SJVNL</b>								
NJPC (6*250)	1500	1605	1612	0	8.61	359	8.50	0.11
Rampur HEP (4*68.67)	275	350	368	0	2.30	96	2.25	0.05
<b>Sub Total (D)</b>	<b>1775</b>	<b>1955</b>	<b>1980</b>	<b>0</b>	<b>10.91</b>	<b>455</b>	<b>10.75</b>	<b>0.17</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	1060	1066	0	7.57	315	7.50	0.07
Koteshwar HPS (4*100)	400	104	100	91	2.54	106	2.50	0.04
<b>Sub Total (E)</b>	<b>1400</b>	<b>1164</b>	<b>1166</b>	<b>91</b>	<b>10.11</b>	<b>421</b>	<b>10.00</b>	<b>0.11</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	500	1019	333	12.16	507	12.01	0.15
Dehar HPS (6*165)	990	164	330	140	4.04	168	3.93	0.11
Pong HPS (6*66)	396	198	318	66	4.58	191	4.74	-0.16
<b>Sub Total (F)</b>	<b>2900</b>	<b>862</b>	<b>1667</b>	<b>539</b>	<b>20.78</b>	<b>866</b>	<b>20.68</b>	<b>0.10</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	24	0	0.63	26	0.62	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	860	0	4.71	196	4.80	-0.09
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)	300	0	136	90	2.93	122	2.98	-0.05
Budhil HPS(IPP)	70	0	70	0	0.14	6	0.14	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1090</b>	<b>90</b>	<b>8.41</b>	<b>350</b>	<b>8.54</b>	<b>-0.13</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24419</b>	<b>16824</b>	<b>18209</b>	<b>10049</b>	<b>296.54</b>	<b>12356</b>	<b>292.99</b>	<b>3.55</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	3.89	162
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	118	0	1.72	71
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	449	387	9.53	397
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	705	703	11.47	478
	Talwandi Saboo (1*660)	660	524	369	16.26	678
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1956</b>	<b>1619</b>	<b>42.87</b>	<b>1786</b>
	Total Hydro	1148	210	187	6.41	267
<b>Total Punjab</b>	<b>5828</b>	<b>2166</b>	<b>1806</b>	<b>49.28</b>	<b>2053</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	272	241	5.84	244
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1095	739	19.28	803
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1236	740	25.20	1050
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2603</b>	<b>1720</b>	<b>50.32</b>	<b>2097</b>
	Total Hydro	62	15	20	0.45	19
	<b>Total Haryana</b>	<b>5006</b>	<b>2618</b>	<b>1740</b>	<b>50.78</b>	<b>2116</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	841	783	19.99
suratgarh TPS (6*250)		1500	1126	984	26.07	1086
Chabra TPS (3*250)		750	212	212	5.39	224
Dholpur GPS (3*110)		330	127	107	2.70	113
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	219	188	5.02	209
RAPS A (NPC) (1*100+1*200)		300	191	174	4.45	185
Barsingsar (NLC) (2*125)		250	91	93	2.15	90
Giral LTPS (2*125)		250	73	79	1.46	61
Rajwest LTPS (IPP) (8*135)		1080	692	732	16.80	700
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(1*600)		600	480	435	10.81	450
Kawai(Adani) (2*660)		1320	1138	940	27.01	1125
<b>Thermal (Total)</b>		<b>8026</b>	<b>5190</b>	<b>4727</b>	<b>122</b>	<b>5077</b>
Total Hydro		550	212	114	4.86	203
Wind power		2798	38	43	0.86	36
Biomass		99	29	29	0.69	29
Solar		730	2	0	0.20	8
Renewable/Others (Total)		3627	69	72	1.76	73
<b>Total Rajasthan</b>	<b>12203</b>	<b>5471</b>	<b>4913</b>	<b>128.47</b>	<b>5353</b>	
UP	Anpara TPS (3*210+2*500)	1630	921	488	19.10	796
	Obra TPS (2*50+2*94+5*200)	1194	448	445	10.60	442
	Paricha TPS (2*110+2*220+2*250)	1140	738	794	18.30	763
	Panki TPS (2*105)	210	72	77	1.70	71
	Harduaganj TPS (1*60+1*105+2*250)	665	259	167	5.30	221
	Tanda TPS (NTPC) (4*110)	440	280	276	6.80	283
	Roza TPS (IPP) (4*300)	1200	1027	1089	25.10	1046
	Anpara-C (IPP) (2*600)	1200	976	968	23.30	971
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	307	320	6.90	288
	<b>Thermal (Total)</b>	<b>8129</b>	<b>5028</b>	<b>4624</b>	<b>117.10</b>	<b>4879</b>
	Vishnuparyag HPS (IPP)	400	107	103	2.50	104
	Other Hydro	527	27	32	1.00	42
	Cogeneration	981	200	200	4.80	200
	<b>Total UP</b>	<b>10037</b>	<b>5362</b>	<b>4959</b>	<b>125.40</b>	<b>5121</b>
	Uttarakhand	Total Hydro	1398	490	238	7.94
<b>Total Uttarakhand</b>		<b>1398</b>	<b>490</b>	<b>238</b>	<b>7.94</b>	<b>331</b>
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	75	78	1.90	79
	Pragati Gas Turbine (2x104+ 1x122)	330	150	150	3.63	151
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	307	273	7.20	300
	Badarpur TPS (NTPC) (3*95+2*210)	705	323	314	7.89	329
	<b>Thermal (Total)</b>	<b>2917</b>	<b>855</b>	<b>815</b>	<b>20.62</b>	<b>859</b>
<b>Total Delhi</b>	<b>2917</b>	<b>855</b>	<b>815</b>	<b>20.62</b>	<b>859</b>	
HP	Baspa HPS (IPP) (2*150)	300	31	31	1.31	55
	Malana HPS (IPP) (2*43)	86	45	0	0.19	8
	Other Hydro	728	189	145	4.16	173
	<b>Total HP</b>	<b>1114</b>	<b>265</b>	<b>176</b>	<b>5.66</b>	<b>236</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	300	150	4.99	208
	Other Hydro/IPP	436	97	70	1.86	78
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>397</b>	<b>220</b>	<b>6.85</b>	<b>286</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>17624</b>	<b>14867</b>	<b>395.00</b>	<b>16354</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>3168</b>	<b>4205</b>	<b>111.24</b>	<b>4635</b>
<b>Total Regional Availability(Gross)</b>		<b>64017</b>	<b>39001</b>	<b>29121</b>	<b>802.78</b>	<b>33345</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	7994	1236	67.64	2818
State Control Area Hydro	5684	1616	987	35.67	1382
<b>Total Regional Hydro</b>	<b>17116</b>	<b>9610</b>	<b>2223</b>	<b>103.30</b>	<b>4200</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	-300	-500	0	500	0.00	7.60	-7.60
Gwalior-Agra (D/C)	857	1558	2053	0	34.53	0.00	34.53
Zerda-Kankroli	-211	-233	0	326	0.00	4.72	-4.72
Zerda-Bhinmal	-124	-112	75	264	0.00	2.02	-2.02
Malanpur-Auraiya	-113	-124	0	147	0.00	2.92	-2.92
Badod-Kota/Morak	-148	-206	0	220	0.00	4.33	-4.33
Mundra-Mohindergarh(HVDC)	2199	2001	2205	0	52.06	0.00	52.06
Vindhychal - Rihand	500	410	511	0	11.18	0.00	11.18
<b>Sub Total WR</b>	<b>2660</b>	<b>2794</b>			<b>97.77</b>	<b>21.59</b>	<b>76.17</b>
Pusauli Bypass	400	400	400	0	9.69	0.00	9.69
MZP- GKP (D/C)	-48	124	360	0	3.46	0.00	3.46
Patna-Balia(D/C)	570	703	829	0	17.43	0.00	17.43
B'Sharif-Balia (D/C)	-108	37	177	140	0.69	0.00	0.69
Pusauli-Balia	-131	-112	0	153	0.00	2.62	-2.62
Gaya-Fatehpur (765 Kv)	-40	212	351	40	4.68	0.00	4.68
Pusauli-Sahupuri	106	69	145	0	2.25	0.00	2.25
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-40	-40	0	41	0.00	0.86	-0.86
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-201	18	159	201	0.34	0.00	0.34
<b>Sub Total ER</b>	<b>508</b>	<b>1411</b>			<b>38.55</b>	<b>3.48</b>	<b>35.07</b>
<b>Total IR Exch</b>	<b>3168</b>	<b>4205</b>			<b>136.32</b>	<b>25.08</b>	<b>111.24</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
18.74	0.89	19.63	5.39	-14.41	7.49	13.24	4.97	-4.97

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
37.47	71.78	109.25	35.07	76.17	111.24	-2.40	4.39	1.99

**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	0.94	7.76	42.75	57.84	19.13	11.72	3.61	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				
50.33	12.02	49.76	9.14	50.02	0.08	0.09	50.34	49.93

**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	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Gorakhpur	400	413	00:59	214	15:47	0.1	0.1	0.0	0.0
Bareilly	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Kanpur	400	420	00:58	404	11:18	0.0	0.0	0.0	0.0
Dadri	400	420	03:19	403	12:18	0.2	0.2	0.0	0.0
Ballabgarh	400	428	03:03	409	12:18	0.0	0.0	36.6	0.0
Bawana	400	424	09:35	408	18:14	0.0	0.0	12.8	0.0
Bassi	400	428	20:57	398	06:29	0.0	0.0	9.0	0.0
Hissar	400	416	04:02	397	12:18	0.0	0.0	0.0	0.0
Moga	400	425	04:02	406	12:18	0.0	0.0	20.1	0.0
Abdullapur	400	423	00:00	396	18:23	0.0	0.0	3.9	0.0
Nalagarh	400	425	21:56	406	09:12	0.0	0.0	8.3	0.0
Kishenpur	400	427	02:56	395	18:17	0.0	0.0	23.4	0.0
Wagoora	400	412	03:00	368	18:08	14.1	33.4	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	774	20:57	742	12:18	0.0	0.0	0.0	0.0
Balia	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Moga	765	804	04:00	770	12:20	0.0	0.0	7.0	0.0
Agra	765	796	20:56	757	06:30	0.0	0.0	0.0	0.0
Bhiwani	765	807	04:02	775	12:22	0.0	0.0	16.5	0.0
Unnao	765	765	01:12	734	12:24	0.0	19.6	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	504.52	1285.56	509.08	1500.16	190.29	372.51
Pong	426.72	384.05	411.32	534.70	418.15	807.91	53.92	293.96
Tehri	829.79	740.04	820.55	1013.88	822.05	1045.56	65.59	167.00
Koteshwar	612.50	598.50	609.39	4.27	610.00	4.69	167.00	168.00
Chamera-I	760.00	748.75	759.52	0.00	0.00	0.00	51.42	47.90
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	509.88	1.47	515.84	2.96	54.14	66.71

\* 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	-484	66	0	-459	256	0	-11.22	3.75	-7.47
Delhi	-777	-56	-15	-597	167	-15	-14.26	0.96	-13.30
Haryana	-774	171	0	-758	162	0	-19.65	3.85	-15.79
HP	422	-25	0	397	-324	0	9.47	-2.09	7.38
J&K	282	0	0	333	0	0	6.64	0.44	7.08
CHD	-31	0	0	0	0	0	-0.24	0.16	-0.09
Rajasthan	489	447	2	489	-138	2	11.73	10.24	21.98
UP	75	0	0	138	0	0	2.67	0.00	2.67
Uttarakhand	244	229	0	244	263	0	5.85	6.44	12.29
<b>Total</b>	<b>-556</b>	<b>830</b>	<b>-13</b>	<b>-213</b>	<b>386</b>	<b>-13</b>	<b>-9.00</b>	<b>23.75</b>	<b>14.75</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-459	-484	306	7	0	0
Delhi	-487	-786	302	-82	-15	-15
Haryana	-758	-978	173	126	0	0
HP	422	378	83	-634	0	0
J&K	350	236	98	-10	0	0
CHD	0	-31	20	0	0	0
Rajasthan	489	489	968	-379	2	2
UP	153	75	0	0	0	0
Uttarakhand	244	244	409	169	0	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 20.11.2014 :**

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 :**