

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

Power Supply Position in Northern Region for 23.11.2014  
Date of Reporting : 24.11.2014

### 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
35736	1451	37187	50.16	27765	1429	29194	50.09	743.9	41.82

\* 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	44.42	6.11		50.53	46.89	48.70	1.81	99.23	0.00
Haryana	46.30	0.35		46.65	52.11	50.22	-1.89	96.88	0.00
Rajasthan	86.20	4.90	4.83	95.93	86.07	95.57	9.49	191.50	0.00
Delhi	20.28			20.28	34.35	33.49	-0.86	53.77	0.00
UP	110.25	3.31	4.80	118.36	90.68	93.37	2.70	211.73	41.73
Uttarakhand		7.60		7.60	23.75	22.64	-1.11	30.24	0.09
HP		5.77		5.77	16.68	17.42	0.74	23.19	0.00
J & K		1.84	0.00	1.84	28.48	32.47	3.98	34.30	0.00
Chandigarh				0.00	2.99	3.05	0.06	3.05	0.00
<b>Total</b>	<b>307.45</b>	<b>29.87</b>	<b>9.63</b>	<b>346.95</b>	<b>382.01</b>	<b>396.93</b>	<b>14.92</b>	<b>743.88</b>	<b>41.82</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	4357	0	-49	-198	3277	0	52	-476	5256
Haryana	5345	0	-355	-646	3387	0	-34	-619	5345
Rajasthan	8925	0	610	1342	7434	0	121	1738	8925
Delhi	2829	1	-26	-560	1419	4	-154	-976	3021
UP	9525	1410	-183	108	8853	1425	163	81	9795
Uttarakhand	1496	40	-68	486	1096	0	14	430	1588
HP	1214	0	62	-14	766	0	2	345	1214
J&K	1884	0	78	431	1446	0	37	379	1890
Chandigarh	162	0	-13	0	88	0	5	-31	165
<b>Total</b>	<b>35736</b>	<b>1451</b>	<b>56</b>	<b>949</b>	<b>27765</b>	<b>1429</b>	<b>205</b>	<b>872</b>	<b>35736</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	1522	1622	1573	39.03	1626	36.39	2.64
Rihand I STPS (2*500)	1000	877	928	866	21.99	916	20.75	1.23
Rihand II STPS (2*500)	1000	970	1028	917	24.03	1001	22.98	1.05
Rihand III STPS (2*500)	1000	311	493	489	7.53	314	7.31	0.22
Dadri I STPS (4*210)	840	815	620	598	15.57	649	14.96	0.61
Dadri II STPS (2*490)	980	980	834	698	19.57	815	19.47	0.10
Unchahar I TPS (2*210)	420	400	388	336	9.66	403	9.06	0.61
Unchahar II TPS (2*210)	420	400	354	308	9.24	385	8.57	0.67
Unchahar III TPS (1*220)	210	200	190	158	4.63	193	4.34	0.29
ISTPP (Jhajhar) (3*500)	1500	1500	911	911	22.23	926	23.66	-1.43
Dadri GPS (4*130.19+2*154.51)	830	821	412	417	9.74	406	9.74	0.00
Anta GPS (3*88.71+1*153.2)	419	412	327	248	7.99	333	8.17	-0.18
Auraiya GPS (4*111.19+2*109.30)	663	439	313	273	7.30	304	7.14	0.16
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>9650</b>	<b>8420</b>	<b>7792</b>	<b>199</b>	<b>8273</b>	<b>193</b>	<b>6</b>
<b>B. NPC</b>								
NAPS (2*220)	440	292	325	332	7.04	293	7.01	0.03
RAPS- B (2*220)	440	407	450	451	9.76	407	9.77	0.00
RAPS- C (2*220)	440	410	458	457	9.92	413	9.84	0.08
<b>Sub Total (B)</b>	<b>1320</b>	<b>1109</b>	<b>1233</b>	<b>1240</b>	<b>26.72</b>	<b>1113</b>	<b>26.62</b>	<b>0.10</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	540	0	1.88	78	1.80	0.08
Chamera II HPS (3*100)	300	200	206	0	1.34	56	1.30	0.04
Chamera III HPS (3*77)	231	231	222	0	0.77	32	0.75	0.02
Bairasuli HPS(3*60)	180	120	120	0	0.65	27	0.60	0.05
Salal-HPS (6*115)	690	149	219	203	3.76	157	3.58	0.18
Tanakpur-HPS (3*40)	94	32	55	26	0.80	33	0.76	0.04
Uri-I HPS (4*120)	480	184	231	131	4.58	191	4.43	0.16
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
Dhauliganga-HPS (4*70)	280	207	208	0	1.37	57	1.29	0.07
Dulhasti-HPS (3*130)	390	387	252	135	3.50	146	3.40	0.10
Sewa-II HPS (3*40)	120	79	82	0	0.27	11	0.24	0.03
Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (C)</b>	<b>4065</b>	<b>2123</b>	<b>2134</b>	<b>495</b>	<b>19</b>	<b>788</b>	<b>18</b>	<b>1</b>
<b>D.SJVNL</b>								
NJPC (6*250)	1500	1605	1600	0	8.45	352	8.50	-0.05
Rampur HEP (4*68.67)	275	350	368	0	2.25	94	2.26	-0.01
<b>Sub Total (D)</b>	<b>1775</b>	<b>1955</b>	<b>1968</b>	<b>0</b>	<b>10.70</b>	<b>446</b>	<b>10.76</b>	<b>-0.05</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	1060	1060	0	6.94	289	6.88	0.05
Koteshwar HPS (4*100)	400	104	201	91	2.54	106	2.50	0.04
<b>Sub Total (E)</b>	<b>1400</b>	<b>1164</b>	<b>1261</b>	<b>91</b>	<b>9.47</b>	<b>395</b>	<b>9.38</b>	<b>0.09</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	515	1025	363	12.50	521	12.37	0.13
Dehar HPS (6*165)	990	142	165	140	3.45	144	3.40	0.05
Pong HPS (6*66)	396	196	384	66	4.67	195	4.71	-0.03
<b>Sub Total (F)</b>	<b>2900</b>	<b>853</b>	<b>1574</b>	<b>569</b>	<b>20.63</b>	<b>859</b>	<b>20.47</b>	<b>0.15</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.54	23	0.53	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	700	0	4.41	184	4.44	-0.03
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)	300	0	110	85	2.16	90	2.14	0.01
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>810</b>	<b>85</b>	<b>7.10</b>	<b>296</b>	<b>7.11</b>	<b>-0.01</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24419</b>	<b>16854</b>	<b>17400</b>	<b>10271</b>	<b>292.09</b>	<b>12170</b>	<b>285.11</b>	<b>6.98</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	3.98	166
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	90	90	2.20	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	364	364	9.18	382
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	697	703	17.97	749
	Talwandi Saboo (1*660)	660	365	330	11.10	463
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1676</b>	<b>1647</b>	<b>44.42</b>	<b>1851</b>
	Total Hydro	1148	233	158	6.11	254
	<b>Total Punjab</b>	<b>5828</b>	<b>1909</b>	<b>1805</b>	<b>50.53</b>	<b>2105</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	274	236	5.90	246
Faridabad GPS (NTPC)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	1135	742	19.63	818
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	985	744	20.77	866
<b>Thermal (Total)</b>		<b>4944</b>	<b>2394</b>	<b>1722</b>	<b>46.30</b>	<b>1929</b>
Total Hydro		62	13	20	0.35	15
<b>Total Haryana</b>		<b>5006</b>	<b>2407</b>	<b>1742</b>	<b>46.65</b>	<b>1944</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	841	837	20.47
	suratgarh TPS (6*250)	1500	1124	965	26.68	1112
	Chabra TPS (3*250)	750	216	174	4.84	202
	Dholpur GPS (3*110)	330	124	133	3.20	133
	Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)	271	223	225	5.50	229
	RAPS A (NPC) (1*100+1*200)	300	189	170	4.50	188
	Barsingsar (NLC) (2*125)	250	94	94	2.16	90
	Giral LTPS (2*125)	250	87	81	1.78	74
	Rajwest LTPS (IPP) (8*135)	1080	731	694	17.06	711
	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	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>8026</b>	<b>3629</b>	<b>3373</b>	<b>86</b>	<b>3591</b>
	Total Hydro	550	216	149	4.90	204
	Wind power	2798	180	113	3.90	163
	Biomass	99	32	32	0.77	32
	Solar	730	2	0	0.16	7
	Renewable/Others (Total)	3627	214	145	4.83	201
	<b>Total Rajasthan</b>	<b>12203</b>	<b>4059</b>	<b>3667</b>	<b>95.93</b>	<b>3997</b>
UP	Anpara TPS (3*210+2*500)	1630	934	933	22.50	938
	Obra TPS (2*50+2*94+5*200)	1194	452	347	9.50	396
	Paricha TPS (2*110+2*220+2*250)	1140	740	766	18.30	763
	Panki TPS (2*105)	210	144	140	3.50	146
	Harduaganj TPS (1*60+1*105+2*250)	665	269	265	6.40	267
	Tanda TPS (NTPC) (4*110)	440	300	276	6.86	286
	Roza TPS (IPP) (4*300)	1200	1031	1080	24.02	1001
	Anpara-C (IPP) (2*600)	1200	532	513	12.60	525
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	280	280	6.57	274
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4682</b>	<b>4600</b>	<b>110.25</b>	<b>4594</b>
	Vishnuparyag HPS (IPP)	400	105	98	2.39	100
	Other Hydro	527	37	32	0.92	38
	Cogeneration	981	200	200	4.80	200
	<b>Total UP</b>	<b>10037</b>	<b>5024</b>	<b>4930</b>	<b>118.36</b>	<b>4832</b>
Uttarakhand	Total Hydro	1398	455	225	7.60	316
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>455</b>	<b>225</b>	<b>7.60</b>	<b>316</b>
Delhi	Raighat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	80	80	1.88	78
	Pragati Gas Turbine (2x104+ 1x122)	330	149	155	3.56	148
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	290	271	7.02	292
	Badarpur TPS (NTPC) (3*95+2*210)	705	319	318	7.82	326
	<b>Thermal (Total)</b>	<b>2917</b>	<b>838</b>	<b>824</b>	<b>20.28</b>	<b>845</b>
<b>Total Delhi</b>	<b>2917</b>	<b>838</b>	<b>824</b>	<b>20.28</b>	<b>845</b>	
HP	Baspa HPS (IPP) (2*150)	300	30	0	1.39	58
	Malana HPS (IPP) (2*43)	86	20	0	0.28	12
	Other Hydro	728	192	150	4.10	171
	<b>Total HP</b>	<b>1114</b>	<b>242</b>	<b>150</b>	<b>5.77</b>	<b>240</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	298	146	0.00	0
	Other Hydro/IPP	436	97	60	1.84	77
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>395</b>	<b>206</b>	<b>1.84</b>	<b>77</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>15329</b>	<b>13549</b>	<b>346.95</b>	<b>14357</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>5249</b>	<b>5575</b>	<b>132.04</b>	<b>5502</b>
<b>Total Regional Availability(Gross)</b>		<b>64017</b>	<b>37978</b>	<b>29395</b>	<b>771.08</b>	<b>32029</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	7637	1155	64.66	2694
State Control Area Hydro	5684	1591	940	29.87	1145
<b>Total Regional Hydro</b>	<b>17116</b>	<b>9228</b>	<b>2095</b>	<b>94.53</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	200	-100	200	300	1.32	2.28	-0.95
Gwalior-Agra (D/C)	1019	1601	1902	0	35.92	0.00	35.92
Zerda-Kankroli	-61	-47	24	208	0.00	1.72	-1.72
Zerda-Bhinmal	25	48	140	195	0.26	0.00	0.26
Malanpur-Auraiya	39	36	0	53	0.00	0.95	-0.95
Badod-Kota/Morak	-1	-49	23	93	0.00	1.44	-1.44
Mundra-Mohindergarh(HVDC)	2201	1998	2204	0	51.80	0.00	51.80
Vindhychal - Rihand	340	306	501	0	7.08	0.00	7.08
<b>Sub Total WR</b>	<b>3762</b>	<b>3793</b>			<b>96.38</b>	<b>6.38</b>	<b>90.00</b>
Pusauli Bypass	400	400	400	0	9.61	0.00	9.61
MZP- GKP (D/C)	48	230	392	70	4.90	0.00	4.90
Patna-Balia(D/C)	606	714	841	0	17.92	0.00	17.92
B'Sharif-Balia (D/C)	18	49	183	0	2.04	0.00	2.04
Pusauli-Balia	142	111	0	142	0.00	2.60	-2.60
Gaya-Fatehpur (765 Kv)	186	207	436	0	7.12	0.00	7.12
Pusauli-Sahupuri	131	118	134	0	2.47	0.00	2.47
K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
Son Ngr-Rihand	-34	-40	0	40	0.00	0.88	-0.88
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-10	-7	212	15	1.96	0.00	1.96
<b>Sub Total ER</b>	<b>1487</b>	<b>1782</b>			<b>46.00</b>	<b>3.96</b>	<b>42.04</b>
<b>Total IR Exch</b>	<b>5249</b>	<b>5575</b>			<b>142.38</b>	<b>10.34</b>	<b>132.04</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
18.62	0.78	19.39	6.59	-14.68	14.27	16.08	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
45.22	72.27	117.49	42.04	90.00	132.04	-3.18	17.73	14.55

**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	0.14	1.46	10.69	43.33	56.87	17.77	11.69	2.98	NA

Frequency (Hz)				Average Frequency (Hz)	Frequency Variation Index	Std. Dev. (Hz)	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time					
50.34	17.05	49.67	18.11	50.01	0.09	0.09	50.39	49.94

**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	410	01:10	407	15:18	0.0	0.0	0.0	0.0
Gorakhpur	400	413	00:59	406	15:47	0.1	0.1	0.0	0.0
Bareilly	400	418	00:54	408	16:05	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	778	20:24	748	12:08	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	504.15	1272.20	508.77	1485.27	162.65	375.23
Pong	426.72	384.05	410.97	524.54	417.83	794.52	52.33	305.00
Tehri	829.79	740.04	819.85	1000.00	821.60	1035.00	65.21	153.00
Koteshwar	612.50	598.50	608.98	4.10	609.25	4.21	153.00	168.00
Chamera-I	760.00	748.75	759.61	0.00	0.00	0.00	51.39	50.51
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	509.76	1.40	515.55	2.74	49.97	64.78

\* 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	8	0	-459	261	0	-11.22	5.12	-6.10
Delhi	-879	-76	-20	-597	57	-20	-15.09	-0.50	-15.60
Haryana	-774	155	0	-758	112	0	-19.65	2.61	-17.04
HP	422	-76	0	397	-411	0	9.47	-3.92	5.55
J&K	379	0	0	333	98	0	7.45	0.88	8.33
CHD	-31	0	0	0	0	0	-0.24	0.00	-0.24
Rajasthan	489	1247	2	489	851	2	11.73	22.62	34.35
UP	81	0	0	108	0	0	1.91	0.00	1.91
Uttarakhand	292	137	0	292	193	0	7.02	5.69	12.71
<b>Total</b>	<b>-504</b>	<b>1395</b>	<b>-18</b>	<b>-195</b>	<b>1161</b>	<b>-18</b>	<b>-8.62</b>	<b>32.49</b>	<b>23.86</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-459	-484	360	2	0	0
Delhi	-487	-879	197	-76	-20	-20
Haryana	-758	-978	163	-148	0	0
HP	422	378	0	-743	0	0
J&K	379	236	98	0	0	0
CHD	0	-31	0	0	0	0
Rajasthan	489	489	1631	458	2	2
UP	114	45	0	0	0	0
Uttarakhand	292	292	429	86	0	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 23.11.2014 :**

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 :**