

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

**Power Supply Position in Northern Region for 30.01.2015**  
Date of Reporting : 31.01.2015

### 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
37936	1525	39461	50.10	29499	1128	30627	50.00	821.1	45.11

\* 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	46.74	6.18		52.92	42.48	42.94	0.46	95.86	0.00
Haryana	70.13	0.37		70.50	48.21	47.04	-1.16	117.54	0.00
Rajasthan	122.29	1.94	5.76	129.98	69.94	74.51	4.57	204.49	0.00
Delhi	22.26			22.26	47.79	46.28	-1.50	68.55	0.03
UP	134.30	1.60		135.90	90.09	89.45	-0.63	225.35	36.53
Uttarakhand		7.12		7.12	28.07	28.87	0.79	35.99	0.96
HP		3.57		3.57	22.56	22.68	0.12	26.25	0.00
J & K		4.34	0.00	4.34	37.86	38.69	0.83	43.03	7.59
Chandigarh				0.00	3.96	4.02	0.27	4.02	0.00
<b>Total</b>	<b>395.73</b>	<b>25.11</b>	<b>5.76</b>	<b>426.59</b>	<b>390.96</b>	<b>394.49</b>	<b>3.74</b>	<b>821.08</b>	<b>45.11</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	4878	0	64	-175	2997	0	65	-277	5031
Haryana	6197	0	-46	-797	3586	0	106	-779	6223
Rajasthan	8598	0	-117	710	7647	0	456	1088	10134
Delhi	3268	0	-220	-191	1635	0	-58	-981	4003
UP	9880	1155	-341	99	9785	830	182	73	10629
Uttarakhand	1806	40	6	756	1255	0	20	550	1930
HP	1229	0	-94	406	803	0	21	472	1393
J&K	1872	330	79	716	1691	298	44	695	2016
Chandigarh	208	0	2	0	100	0	-4	-31	231
<b>Total</b>	<b>37936</b>	<b>1525</b>	<b>-668</b>	<b>1524</b>	<b>29499</b>	<b>1128</b>	<b>832</b>	<b>810</b>	<b>39553</b>

\* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

Diversity is 1.05

### III. Regional Entities :

Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
<b>A. NTPC</b>								
Singrauli STPS (5*200+2*500)	2000	1910	2071	1999	48.99	2041	45.66	3.32
Rihand I STPS (2*500)	1000	921	973	697	22.55	939	20.98	1.57
Rihand II STPS (2*500)	1000	900	951	671	21.53	897	20.24	1.29
Rihand III STPS (2*500)	1000	968	986	723	22.60	942	21.46	1.14
Dadri I STPS (4*210)	840	815	742	604	16.08	670	15.20	0.88
Dadri II STPS (2*490)	980	980	921	692	19.17	799	18.93	0.24
Unchahar I TPS (2*210)	420	405	405	304	8.86	369	8.77	0.08
Unchahar II TPS (2*210)	420	403	404	272	8.45	352	8.13	0.32
Unchahar III TPS (1*220)	210	201	196	134	4.21	176	4.05	0.16
ISTPP (Jhajhar) (3*500)	1500	1500	755	587	14.60	608	16.12	-1.52
Dadri GPS (4*130.19+2*154.51)	830	649	381	385	9.11	380	9.14	-0.02
Anta GPS (3*88.71+1*153.2)	419	426	252	238	5.93	247	5.98	-0.05
Auraiya GPS (4*111.19+2*109.30)	663	510	315	311	7.35	306	7.32	0.03
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar	10	3	0	0	0.04	2	0.07	-0.03
Singrauli Solar	15	2	0	0	0.00	0	0	-0.05
<b>Sub Total (A)</b>	<b>11312</b>	<b>10592</b>	<b>9352</b>	<b>7617</b>	<b>209</b>	<b>8729</b>	<b>202</b>	<b>7</b>
<b>B. NPC</b>								
NAPS (2*220)	440	398	434	440	9.56	398	9.55	0.00
RAPS- B (2*220)	440	390	453	434	9.72	405	9.36	0.36
RAPS- C (2*220)	440	220	235	235	4.99	208	5.28	-0.29
<b>Sub Total (B)</b>	<b>1320</b>	<b>1008</b>	<b>1122</b>	<b>1109</b>	<b>24.27</b>	<b>1011</b>	<b>24.19</b>	<b>0.08</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	545	0	2.50	104	2.40	0.10
Chamera II HPS (3*100)	300	200	210	0	1.14	48	1.10	0.04
Chamera III HPS (3*77)	231	231	229	0	0.55	23	0.50	0.05
Bairasuli HPS(3*60)	180	120	120	0	0.51	21	0.45	0.06
Salal-HPS (6*115)	690	100	65	124	2.49	104	2.40	0.09
Tanakpur-HPS (3*40)	94	25	26	23	0.63	26	0.61	0.01
Uri-I HPS (4*120)	480	91	190	20	2.18	91	2.18	0.00
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
Dhauliganga-HPS (4*70)	280	139	139	0	0.09	4	0.80	-0.71
Dulhasti-HPS (3*130)	390	258	273	0	2.61	109	2.50	0.11
Sewa-II HPS (3*40)	120	119	121	0	0.33	14	0.36	-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>1817</b>	<b>1918</b>	<b>167</b>	<b>13</b>	<b>543</b>	<b>13</b>	<b>0</b>
<b>D. SJVNL</b>								
NJPC (6*250)	1500	1605	1352	0	6.28	262	6.19	0.08
Rampur HEP (4*68.67)	275	370	373	0	1.70	71	1.65	0.05
<b>Sub Total (D)</b>	<b>1775</b>	<b>1975</b>	<b>1725</b>	<b>0</b>	<b>7.97</b>	<b>332</b>	<b>7.84</b>	<b>0.13</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	944	945	0	7.92	330	7.90	0.02
Koteshwar HPS (4*100)	400	125	300	91	3.00	125	3.00	0.00
<b>Sub Total (E)</b>	<b>1400</b>	<b>1069</b>	<b>1245</b>	<b>91</b>	<b>10.92</b>	<b>455</b>	<b>10.90</b>	<b>0.02</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	639	1166	338	15.36	640	15.34	0.02
Dehar HPS (6*165)	990	121	330	0	2.81	117	2.90	-0.09
Pong HPS (6*66)	396	187	368	0	4.46	186	4.49	-0.02
<b>Sub Total (F)</b>	<b>2900</b>	<b>947</b>	<b>1864</b>	<b>338</b>	<b>22.64</b>	<b>943</b>	<b>22.72</b>	<b>-0.08</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	15	0.35	0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	792	0	3.24	135	3.23	0.00
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)	300	0	131	78	2.81	117	2.81	0.00
Budhil HPS(IPP)	70	0	0	0	0.11	4	0.11	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>923</b>	<b>78</b>	<b>6.52</b>	<b>272</b>	<b>6.50</b>	<b>0.02</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24434</b>	<b>17408</b>	<b>18148</b>	<b>9400</b>	<b>294.85</b>	<b>12285</b>	<b>287.57</b>	<b>7.27</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	420	530	8.89	370
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	100	100	2.19	91
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	618	519	13.48	562
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	595	345	12.08	503
	Talwandi Saboo (1*660)	660	358	347	10.10	421
	<b>Thermal (Total)</b>	<b>4680</b>	<b>2091</b>	<b>1841</b>	<b>46.74</b>	<b>1948</b>
	Total Hydro	1148	243	156	6.18	258
<b>Total Punjab</b>	<b>5828</b>	<b>2334</b>	<b>1997</b>	<b>52.92</b>	<b>2205</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	233	222	5.30	221
	DCRTPP (Yamuna nagar) (2*300)	600	548	478	12.03	501
	Faridabad GPS (NTPC)	432	199	190	4.48	187
	RGTPP (khedar) (IPP) (2*600)	1200	1158	748	22.12	922
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1236	740	26.20	1092
	<b>Thermal (Total)</b>	<b>4944</b>	<b>3374</b>	<b>2378</b>	<b>70.13</b>	<b>2922</b>
	Total Hydro	62	8	17	0.37	15
	<b>Total Haryana</b>	<b>5006</b>	<b>3382</b>	<b>2395</b>	<b>70.50</b>	<b>2937</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1034	1031	25.47
suratgarh TPS (6*250)		1500	785	767	19.42	809
Chabra TPS (3*250)		750	756	816	18.85	785
Dholpur GPS (3*110)		330	101	100	2.44	102
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	195	192	5.00	208
RAPS A (NPC) (1*100+1*200)		300	164	164	4.11	171
Barsingar (NLC) (2*125)		250	165	155	3.76	157
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	844	474	18.10	754
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	1105	867	25.16	1048
<b>Thermal (Total)</b>		<b>8026</b>	<b>5149</b>	<b>4566</b>	<b>122</b>	<b>5095</b>
Total Hydro		550	76	52	1.94	81
Wind power		2798	38	563	5.03	210
Biomass		99	21	21	0.50	21
Solar		730	2	0	0.23	9
Renewable/Others (Total)		3627	61	584	5.76	240
<b>Total Rajasthan</b>	<b>12203</b>	<b>5286</b>	<b>5202</b>	<b>129.98</b>	<b>5416</b>	
UP	Anpara TPS (3*210+2*500)	1630	1344	1362	32.30	1346
	Obra TPS (2*50+2*94+5*200)	1194	353	349	8.30	346
	Paricha TPS (2*110+2*220+2*250)	1140	797	801	19.30	804
	Panki TPS (2*105)	210	59	0	0.50	21
	Harduaganj TPS (1*60+1*105+2*250)	665	437	500	11.00	458
	Tanda TPS (NTPC) (4*110)	440	231	294	6.80	283
	Roza TPS (IPP) (4*300)	1200	576	792	17.00	708
	Anpara-C (IPP) (2*600)	1200	538	540	12.90	538
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	279	402	7.20	300
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4614</b>	<b>5040</b>	<b>115.30</b>	<b>4804</b>
	Vishnuparyag HPS (IPP)	400	68	66	0.00	0
	Other Hydro	527	22	13	1.60	67
	Cogeneration	981	800	800	19.00	792
	<b>Total UP</b>	<b>10037</b>	<b>5504</b>	<b>5919</b>	<b>135.90</b>	<b>5663</b>
Uttarakhand	Total Hydro	1398	479	220	7.12	297
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>479</b>	<b>220</b>	<b>7.12</b>	<b>297</b>
Delhi	Raighat TPS (2*67.5)	135	42	43	0.97	41
	Delhi Gas Turbine (6x30 + 3x34)	282	121	121	2.86	119
	Pragati Gas Turbine (2x104+ 1x122)	330	312	274	7.25	302
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	297	269	7.01	292
	Badarpur TPS (NTPC) (3*95+2*210)	705	188	145	4.17	174
	<b>Thermal (Total)</b>	<b>2917</b>	<b>960</b>	<b>852</b>	<b>22.26</b>	<b>928</b>
<b>Total Delhi</b>	<b>2917</b>	<b>960</b>	<b>852</b>	<b>22.26</b>	<b>928</b>	
HP	Baspa HPS (IPP) (2*150)	300	110	0	0.98	41
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	728	238	92	2.39	100
	<b>Total HP</b>	<b>1114</b>	<b>348</b>	<b>92</b>	<b>3.57</b>	<b>149</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	150	120	3.24	135
	Other Hydro/IPP	436	76	20	1.10	46
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>226</b>	<b>140</b>	<b>4.34</b>	<b>181</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>18519</b>	<b>16817</b>	<b>426.59</b>	<b>17775</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>4640</b>	<b>4014</b>	<b>122.08</b>	<b>5087</b>
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>41307</b>	<b>30231</b>	<b>843.52</b>	<b>35147</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	7543	597	58.17	2424
State Control Area Hydro	5684	1402	690	25.11	1046
<b>Total Regional Hydro</b>	<b>17116</b>	<b>8945</b>	<b>1287</b>	<b>83.27</b>	<b>3470</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	-450	-400	0	500	0.00	9.09	-9.09
Gwalior-Agra (D/C)	1450	1361	2280	0	42.68	0.00	42.68
Zerda-Kankroli	-56	-215	111	215	0.00	0.86	-0.86
Zerda-Bhinmal	15	-112	215	112	1.33	0.00	1.33
Malanpur-Auraiya	-85	-90	0	95	0.00	1.69	-1.69
Badod-Kota/Morark	9	-73	62	65	0.00	5.20	-5.20
Mundra-Mohindergarh(HVDC)	2210	2299	2305	0	55.33	0.00	55.33
Vindhychal - Rihand	501	272	505	0	10.30	0.00	10.30
<b>Sub Total WR</b>	<b>3594</b>	<b>3042</b>			<b>109.64</b>	<b>16.84</b>	<b>92.80</b>
Pusauli Bypass	400	400	400	0	9.05	0.00	9.05
MZP- GKP (D/C)	84	20	145	142	0.00	0.15	-0.15
Patna-Balia(D/C)	585	587	771	0	15.17	0.00	15.17
B'Sharif-Balia (D/C)	-150	-130	0	171	0.00	1.83	-1.83
Pusauli-Balia	41	22	79	54	0.21	0.00	0.21
Gaya-Fatehpur (765 Kv)	140	118	413	0	5.63	0.00	5.63
Pusauli-Sahupuri	116	117	166	0	2.77	0.00	2.77
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-40	-40	0	46	0.00	0.94	-0.94
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-130	-122	150	167	0.00	0.63	-0.63
<b>Sub Total ER</b>	<b>1046</b>	<b>972</b>			<b>32.82</b>	<b>3.54</b>	<b>29.28</b>
<b>Total IR Exch</b>	<b>4640</b>	<b>4014</b>			<b>142.47</b>	<b>20.38</b>	<b>122.08</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
24.98	0.13	25.11	10.49	-5.56	0.57	27.36	0.22	-0.22

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
36.38	91.30	127.68	29.28	92.80	122.08	-7.10	1.51	-5.60

**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	1.31	9.50	47.61	59.28	19.27	10.47	1.50	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				
50.31	00:28:48	49.71	9.09	50.01	0.08	0.09	50.10	50.00

**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	03:24	402	07:23	0.0	0.0	0.0	0.0
Gorakhpur	400	412	13:02	389	08:50	0.0	0.1	0.0	0.0
Bareilly	400	421	00:00	401	08:50	0.0	0.0	0.4	0.0
Kanpur	400	420	03:33	399	08:48	0.0	0.0	0.0	0.0
Dadri	400	420	03:34	397	10:12	1.5	1.5	0.0	0.0
Ballabgarh	400	428	03:33	401	10:17	0.0	0.0	26.1	0.0
Bawana	400	426	03:34	401	10:13	0.0	0.0	20.3	0.0
Bassi	400	402	11:24	399	10:02	0.0	0.0	0.0	0.0
Hissar	400	412	23:49	389	10:18	0.0	4.4	0.0	0.0
Moga	400	420	03:27	107	18:13	34.1	34.1	0.0	0.0
Abdullapur	400	426	03:26	396	18:46	0.0	0.0	24.4	0.0
Nalagarh	400	428	21:54	390	10:19	0.0	0.0	24.6	0.0
Kishenpur	400	414	01:56	384	14:46	0.0	8.5	0.0	0.0
Wagoora	400	395	20:05	358	14:47	61.0	99.3	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	777	13:03	732	08:50	0.0	6.9	0.0	0.0
Balia	765	776	00:00	746	08:51	0.0	0.0	0.0	0.0
Moga	765	793	03:26	746	10:19	0.0	0.0	0.0	0.0
Agra	765	788	03:28	742	08:51	0.0	0.0	0.0	0.0
Bhiwani	765	799	23:54	754	10:19	0.0	0.0	0.0	0.0
Unnao	765	770	03:27	735	09:05	0.0	10.8	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	492.17	808.03	496.38	960.37	127.48	490.48
Pong	426.72	384.05	401.25	244.95	408.50	444.61	56.75	321.20
Tehri	829.79	740.04	798.10	578.00	801.80	643.00	36.61	196.00
Koteshwar	612.50	598.50	610.28	4.69	610.32	4.69	196.00	199.00
Chamera-I	760.00	748.75	758.43	0.00	0.00	0.00	51.45	67.28
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	502.82	1.18	509.09	1.73	81.97	99.24

\* 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	-409	132	0	-378	203	0	-8.61	3.18	-5.44
Delhi	-899	-66	-15	-498	302	5	-11.70	2.92	-8.78
Haryana	-940	161	0	-937	139	0	-23.84	3.02	-20.82
HP	534	-62	0	504	-98	0	13.80	-2.55	11.25
J&K	695	0	0	496	219	0	13.44	2.84	16.28
CHD	-31	0	0	0	0	0	-0.25	0.00	-0.25
Rajasthan	487	598	2	487	272	-49	15.68	10.44	26.12
UP	73	0	0	99	0	0	-1.73	0.00	-1.73
Uttarakhand	292	217	42	292	416	49	7.00	9.21	16.21
<b>Total</b>	<b>-198</b>	<b>980</b>	<b>28</b>	<b>66</b>	<b>1454</b>	<b>4</b>	<b>3.80</b>	<b>29.05</b>	<b>32.85</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-327	-409	285	0	0	0
Delhi	-36	-899	516	-66	5	-15
Haryana	-937	-1088	162	-5	0	0
HP	631	480	59	-583	0	0
J&K	695	448	268	-26	0	0
CHD	0	-31	0	0	0	0
Rajasthan	844	487	1044	-533	44	-49
UP	135	-394	0	0	0	0
Uttarakhand	292	292	474	143	49	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 30.01.2015 :**  
Normal**XIV. Synchronisation of new generating units :****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 :**