

# पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त महायुक्त कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

**Power Supply Position in Northern Region for 17.02.2015**  
Date of Reporting : 18.02.2015

### 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
37058	1638	38696	50.05	29532	280	29811	50.06	807.8	38.12

\* 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	39.88	11.12		51.00	36.84	37.39	0.55	88.39	0.00
Haryana	66.11	0.34		66.45	46.89	45.45	-1.44	111.90	0.00
Rajasthan	128.99	5.64	7.31	141.94	66.36	71.10	4.75	213.05	0.00
Delhi	17.38			17.38	40.32	40.78	0.46	58.16	0.38
UP	136.74	3.17		139.91	91.71	90.20	-1.51	230.10	29.57
Uttarakhand		10.03		10.03	23.68	26.64	2.96	36.67	0.74
HP		5.32		5.32	19.04	18.80	-0.24	24.12	0.00
J & K		4.97	0.00	4.97	36.70	37.19	0.50	42.16	7.44
Chandigarh				0.00	3.55	3.25	0.27	3.25	0.00
<b>Total</b>	<b>389.10</b>	<b>40.59</b>	<b>7.31</b>	<b>436.99</b>	<b>365.08</b>	<b>370.80</b>	<b>6.30</b>	<b>807.79</b>	<b>38.12</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	4385	0	-50	-288	2766	0	83	-315	4512
Haryana	5661	0	-52	-494	3324	0	108	-435	6152
Rajasthan	9212	0	149	310	8521	0	156	817	9595
Delhi	2763	0	-114	-453	1461	0	164	-942	3406
UP	9924	1295	34	68	9861	0	41	68	10730
Uttarakhand	1832	0	38	508	1274	0	176	349	1933
HP	1170	0	-21	359	650	0	-118	366	1250
J&K	1942	343	105	598	1586	280	-32	643	1944
Chandigarh	170	0	-20	0	89	0	-5	-31	196
<b>Total</b>	<b>37058</b>	<b>1638</b>	<b>70</b>	<b>608</b>	<b>29532</b>	<b>280</b>	<b>572</b>	<b>520</b>	<b>37660</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 :

Entity	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	
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1790	2053	1764	46.12	1922	42.53	3.59	
	Rihand I STPS (2*500)	1000	851	890	859	21.40	891	19.74	1.66	
	Rihand II STPS (2*500)	1000	903	897	937	22.29	929	20.93	1.35	
	Rihand III STPS (2*500)	1000	885	860	783	20.85	869	19.71	1.14	
	Dadri I STPS (4*210)	840	815	580	607	15.06	628	14.09	0.97	
	Dadri II STPS (2*490)	980	980	797	693	18.94	789	18.32	0.62	
	Unchahar I TPS (2*210)	420	405	279	349	7.98	333	8.09	-0.11	
	Unchahar II TPS (2*210)	420	403	281	310	7.88	328	7.84	0.04	
	Unchahar III TPS (1*220)	210	201	146	158	3.92	163	3.98	-0.06	
	ISTPP (Jhajjar) (3*500)	1500	1500	674	710	17.31	721	19.06	-1.75	
	Dadri GPS (4*130.19+2*154.51)	830	644	185	195	4.57	190	4.58	-0.01	
	Anta GPS (3*88.71+1*1153.2)	419	426	218	234	5.56	232	5.62	-0.06	
	Auraiya GPS (4*111.19+2*109.30)	663	510	161	168	3.86	161	3.83	0.02	
	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	
	Singrauli Solar	15	2	0	0	0.04	2	0	0.01	
	<b>Sub Total (A)</b>	<b>11312</b>	<b>10319</b>	<b>8021</b>	<b>7767</b>	<b>196</b>	<b>8159</b>	<b>188</b>	<b>7</b>	
	B. NPC	NAPS (2*220)	440	390	425	432	9.33	389	9.36	-0.03
		RAPS- B (2*220)	440	410	454	456	9.80	408	9.84	-0.04
RAPS- C (2*220)		440	331	429	373	8.61	359	7.96	0.65	
<b>Sub Total (B)</b>		<b>1320</b>	<b>1131</b>	<b>1308</b>	<b>1261</b>	<b>27.74</b>	<b>1156</b>	<b>27.16</b>	<b>0.58</b>	
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	3.81	159	3.69	0.12	
	Chamera II HPS (3*100)	300	200	200	0	1.38	58	1.38	0.00	
	Chamera III HPS (3*77)	231	231	227	0	0.73	30	0.70	0.04	
	Bairasuli HPS(3*60)	180	179	180	0	1.37	57	1.31	0.06	
	Salal-HPS (6*115)	690	134	261	134	3.44	144	3.23	0.22	
	Tanakpur-HPS (3*40)	94	23	31	22	0.59	25	0.56	0.04	
	Uri-I HPS (4*120)	480	217	307	152	5.60	233	5.21	0.39	
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00	
	Dhauliganga-HPS (4*70)	280	140	140	0	0.74	31	0.70	0.04	
	Dulhasti-HPS (3*130)	390	258	272	0	2.89	121	2.80	0.09	
	Sewa-II HPS (3*40)	120	119	121	0	1.68	70	1.65	0.03	
	Parbati 3 (4*130)	520	130	131	0	0.21	9	0.20	0.02	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2165</b>	<b>2420</b>	<b>308</b>	<b>936</b>	<b>21</b>	<b>1</b>	<b>1</b>	
	D. SJVNL	NJPC (6*250)	1500	1605	1605	0	6.02	251	5.89	0.12
Rampur HEP (4*68.67)		275	241	296	0	1.37	57	1.29	0.08	
<b>Sub Total (D)</b>		<b>1775</b>	<b>1846</b>	<b>1901</b>	<b>0</b>	<b>7.38</b>	<b>308</b>	<b>7.18</b>	<b>0.20</b>	
E. THDC	Tehri HPS (4*250)	1000	872	876	0	9.05	377	9.00	0.05	
	Koteshwar HPS (4*100)	400	146	298	100	3.50	146	3.50	0.00	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>1018</b>	<b>1174</b>	<b>100</b>	<b>12.55</b>	<b>523</b>	<b>12.50</b>	<b>0.05</b>	
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	739	1115	466	17.41	725	17.75	-0.34	
	Dehar HPS (6*165)	990	149	330	0	3.75	156	3.59	0.17	
	Pong HPS (6*66)	396	132	236	0	3.04	127	3.16	-0.12	
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1021</b>	<b>1681</b>	<b>466</b>	<b>24.20</b>	<b>1009</b>	<b>24.49</b>	<b>-0.29</b>	
	G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	14	0.30	0.04
KARCHAM WANGTOO HPS(IPP) (4*250)		1000	0	0	0	3.15	131	3.13	0.02	
Malana Stg-II HPS (2*50)		100	0	0	0	0.00	0	0.00	0.00	
Shree Cement TPS (2*150)		300	0	129	130	3.13	131	3.12	0.02	
Budhil HPS(IPP)		70	0	0	0	0.15	6	0.14	0.01	
<b>Sub Total (G)</b>		<b>1662</b>	<b>0</b>	<b>129</b>	<b>130</b>	<b>6.78</b>	<b>282</b>	<b>6.69</b>	<b>0.09</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>24434</b>	<b>17500</b>	<b>16634</b>	<b>10032</b>	<b>296.93</b>	<b>12372</b>	<b>287.88</b>	<b>9.05</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	350	320	7.83	326
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	100	100	2.25	94
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	615	505	12.95	540
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	364	356	9.32	388
	Talwandi Saboo (1*660)	660	323	334	7.53	314
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1752</b>	<b>1615</b>	<b>39.88</b>	<b>1662</b>
	Total Hydro	1148	462	388	11.12	463
<b>Total Punjab</b>	<b>5828</b>	<b>2214</b>	<b>2003</b>	<b>51.00</b>	<b>2125</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	438	407	9.71	405
	DCRTPP (Yamuna nagar) (2*300)	600	282	241	6.29	262
	Faridabad GPS (NTPC)	432	181	190	4.22	176
	RGTPP (khedar) (IPP) (2*600)	1200	1156	758	21.95	914
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1117	741	23.94	998
	<b>Thermal (Total)</b>	<b>4944</b>	<b>3174</b>	<b>2337</b>	<b>66.11</b>	<b>2754</b>
	Total Hydro	62	17	13	0.34	14
	<b>Total Haryana</b>	<b>5006</b>	<b>3191</b>	<b>2350</b>	<b>66.45</b>	<b>2769</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1140	1125	26.46
suratgarh TPS (6*250)		1500	1339	936	25.86	1077
Chabra TPS (3*250)		750	819	577	17.20	717
Dholpur GPS (3*110)		330	114	112	2.86	119
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	38	39	0.93	39
RAPS A (NPC) (1*100+1*200)		300	159	164	4.01	167
Barsingar (NLC) (2*125)		250	95	96	2.20	92
Giral LTPS (2*125)		250	58	67	1.42	59
Rajwest LTPS (IPP) (8*135)		1080	558	954	20.29	846
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	1189	1150	27.78	1158
<b>Thermal (Total)</b>		<b>8026</b>	<b>5509</b>	<b>5220</b>	<b>129</b>	<b>5375</b>
Total Hydro		550	252	129	5.64	235
Wind power		2798	40	526	6.75	281
Biomass		99	20	20	0.48	20
Solar		730	1	0	0.09	4
Renewable/Others (Total)		3627	61	546	7.31	305
<b>Total Rajasthan</b>		<b>12203</b>	<b>5822</b>	<b>5895</b>	<b>141.94</b>	<b>5914</b>
UP		Anpara TPS (3*210+2*500)	1630	1379	1392	33.10
	Obra TPS (2*50+2*94+5*200)	1194	324	320	7.70	321
	Paricha TPS (2*110+2*220+2*250)	1140	653	657	15.80	658
	Panki TPS (2*105)	210	113	113	2.70	113
	Harduaganj TPS (1*60+1*105+2*250)	665	446	450	10.60	442
	Tanda TPS (NTPC) (4*110)	440	312	390	8.64	360
	Roza TPS (IPP) (4*300)	1200	792	770	19.37	807
	Anpara-C (IPP) (2*600)	1200	549	547	13.08	545
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	279	279	6.56	273
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4847</b>	<b>4918</b>	<b>117.54</b>	<b>4898</b>
	Vishnuparyag HPS (IPP)	400	63	68	1.63	68
	Other Hydro	527	62	18	1.54	64
	Cogeneration	981	800	800	19.20	800
	<b>Total UP</b>	<b>10037</b>	<b>5772</b>	<b>5804</b>	<b>139.91</b>	<b>5762</b>
	Uttarakhand	Total Hydro	1398	591	322	10.03
<b>Total Uttarakhand</b>		<b>1398</b>	<b>591</b>	<b>322</b>	<b>10.03</b>	<b>418</b>
Delhi	Raighat TPS (2*67.5)	135	34	35	0.85	35
	Delhi Gas Turbine (6x30 + 3x34)	282	74	75	1.91	80
	Pragati Gas Turbine (2x104+ 1x122)	330	156	160	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	312	270	6.95	290
	Badarpur TPS (NTPC) (3*95+2*210)	705	160	160	3.88	162
	<b>Thermal (Total)</b>	<b>2917</b>	<b>736</b>	<b>700</b>	<b>17.38</b>	<b>724</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>736</b>	<b>700</b>	<b>17.38</b>	<b>724</b>
HP	Baspa HPS (IPP) (2*150)	300	30	0	0.89	37
	Malana HPS (IPP) (2*43)	86	0	0	0.23	10
	Other Hydro	728	197	118	4.20	175
	<b>Total HP</b>	<b>1114</b>	<b>227</b>	<b>118</b>	<b>5.32</b>	<b>222</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	150	146	3.58	149
	Other Hydro/IPP	436	68	41	1.39	58
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>218</b>	<b>187</b>	<b>4.97</b>	<b>207</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>18771</b>	<b>17379</b>	<b>436.99</b>	<b>18140</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>3594.92</b>	<b>3580.06</b>	<b>95.83</b>	<b>3993</b>
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>39000</b>	<b>30992</b>	<b>829.75</b>	<b>34505</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	7176	874	70.08	2920
State Control Area Hydro	5684	1829	1175	40.59	1623
<b>Total Regional Hydro</b>	<b>17116</b>	<b>9005</b>	<b>2049</b>	<b>110.66</b>	<b>4543</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	50	50	300	0.19	5.09	-4.91
Gwalior-Agra (D/C)	1232	1235	2043	0	33.10	0.00	33.10
Zerda-Kankroli	-247	-339	0	394	0.00	6.42	-6.42
Zerda-Bhinmal	-77	-263	22	332	0.00	4.11	-4.11
Malanpur-Auraiya	-68	-117	0	140	0.00	2.67	-2.67
Badod-Kota/Morak	-140	-161	0	206	0.00	3.67	-3.67
Mundra-Mohindergarh(HVDC)	2302	1998	2306	0	50.28	0.00	50.28
Vindhychal - Rihand	492	487	505	0	11.48	0.00	11.48
<b>Sub Total WR</b>	<b>3294</b>	<b>2890</b>			<b>95.05</b>	<b>21.96</b>	<b>73.08</b>
Pusauli Bypass	400	400	400	0	8.17	0.00	8.17
MZP- GKP (D/C)	-241	-41	106	242	0.00	1.17	-1.17
Patna-Balia(D/C)	352	441	616	0	11.58	0.00	11.58
B'Sharif-Balia (D/C)	-191	-160	0	235	0.00	2.55	-2.55
Pusauli-Balia	-18	-9	52	29	0.11	0.00	0.11
Gaya-Fatehpur (765 Kv)	114	113	402	0	5.30	0.00	5.30
Pusauli-Sahupuri	109	144	148	0	2.98	0.00	2.98
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-33	-30	0	42	0.00	0.74	-0.74
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-191	-167	86	191	0.00	1.42	-1.42
<b>Sub Total ER</b>	<b>301</b>	<b>690</b>			<b>28.63</b>	<b>5.87</b>	<b>22.75</b>
<b>Total IR Exch</b>	<b>3595</b>	<b>3580</b>			<b>123.67</b>	<b>27.84</b>	<b>95.83</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
22.63	0.06	22.69	4.92	-1.30	14.33	-0.04	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
42.16	55.14	97.30	22.75	73.08	95.83	-19.41	17.94	-1.46

**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	1.40	4.07	14.66	50.59	58.15	15.97	10.30	0.98	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				
50.55	18.02	49.58	8.37	49.99	0.11	0.10	50.31	49.74

**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	21:25	401	18:50	0.0	0.0	0.0	0.0
Gorakhpur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	400	424	21:57	400	11:11	0.0	0.0	7.0	0.0
Kanpur	400	419	20:59	401	08:36	0.0	0.0	0.0	0.0
Dadri	400	416	20:06	407	18:49	78.8	78.8	0.0	0.0
Ballabgarh	400	428	04:04	409	14:48	0.0	0.0	39.4	0.0
Bawana	400	425	21:55	411	08:33	0.0	0.0	47.6	0.0
Bassi	400	423	20:55	400	08:33	0.0	0.0	1.5	0.0
Hissar	400	416	20:53	398	14:24	0.0	0.0	0.0	0.0
Moga	400	423	04:03	409	10:46	0.0	0.0	6.8	0.0
Abdullapur	400	424	20:55	396	05:54	0.0	0.0	16.8	0.0
Nalagarh	400	434	20:51	416	07:28	0.0	0.0	72.1	4.0
Kishenpur	400	421	04:00	395	07:49	0.0	0.0	1.3	0.0
Wagoora	400	410	04:22	375	07:48	5.0	36.0	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	780	21:55	743	08:36	0.0	0.0	0.0	0.0
Balia	765	781	21:55	751	08:36	0.0	0.0	0.0	0.0
Moga	765	800	20:55	774	07:48	0.0	0.0	0.0	0.0
Agra	765	792	21:56	756	08:36	0.0	0.0	0.0	0.0
Bhiwani	765	803	20:57	773	14:47	0.0	0.0	2.1	0.0
Unnao	765	773	21:56	741	08:36	0.0	0.7	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	485.95	610.73	492.60	817.99	134.65	597.60
Pong	426.72	384.05	399.38	203.01	406.82	397.88	54.31	220.81
Tehri	829.79	740.04	789.95	444.00	795.45	535.09	36.58	233.00
Koteshwar	612.50	598.50	610.24	4.69	610.62	4.95	233.00	232.00
Chamera-I	760.00	748.75	759.77	0.00	0.00	0.00	90.28	102.59
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	500.90	3.06	508.69	2.49	49.82	139.25

\* 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	-321	6	0	-291	3	0	-7.22	0.97	-6.25
Delhi	-688	-234	-20	-476	44	-20	-11.27	-0.86	-12.13
Haryana	-616	181	0	-626	132	0	-16.11	3.21	-12.90
HP	412	-45	0	382	-23	0	10.97	-2.55	8.42
J&K	643	0	0	467	131	0	13.08	1.58	14.66
CHD	-31	0	0	0	0	0	-0.24	0.15	-0.10
Rajasthan	293	522	1	293	27	-11	7.04	8.76	15.80
UP	68	0	0	68	0	0	0.62	0.00	0.62
Uttarakhand	268	63	18	268	240	0	6.34	4.98	11.31
<b>Total</b>	<b>28</b>	<b>493</b>	<b>-1</b>	<b>86</b>	<b>553</b>	<b>-31</b>	<b>3.19</b>	<b>16.24</b>	<b>19.42</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-291	-321	204	0	0	0
Delhi	-244	-688	219	-239	-20	-20
Haryana	-616	-783	184	83	0	0
HP	521	382	16	-653	0	0
J&K	643	467	220	-153	0	0
CHD	0	-31	29	0	0	0
Rajasthan	293	293	522	-594	1	-75
UP	120	-95	0	0	0	0
Uttarakhand	268	252	342	-5	62	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 17.02.2015 :**  
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 :**