

# पॉवर 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 23.02.2015  
Date of Reporting : 24.02.2015

### 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
36370	2316	38686	49.94	29015	881	29896	50.20	798.0	37.13

\* 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	33.04	11.51		44.55	43.63	43.62	-0.01	88.16	0.00
Haryana	54.60	0.39		54.98	58.91	57.77	-1.13	112.76	0.00
Rajasthan	127.78	5.17	10.54	143.48	70.13	70.15	0.02	213.63	0.00
Delhi	17.18			17.18	41.38	41.29	-0.09	58.46	0.01
UP	132.10	4.10		136.20	89.85	89.57	-0.28	225.77	30.00
Uttarakhand		9.58		9.58	23.44	23.44	0.00	33.02	0.00
HP		6.98		6.98	16.26	15.54	-0.72	22.51	0.00
J & K		7.57	0.00	7.57	34.51	32.80	-1.71	40.36	7.12
Chandigarh				0.00	3.50	3.36	0.27	3.36	0.00
<b>Total</b>	<b>364.68</b>	<b>45.29</b>	<b>10.54</b>	<b>420.51</b>	<b>381.61</b>	<b>377.54</b>	<b>-3.66</b>	<b>798.05</b>	<b>37.13</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	4156	0	114	-63	3171	0	84	-131	4405
Haryana	5763	0	-72	-466	3507	0	-37	-490	5832
Rajasthan	8599	0	38	322	8542	0	75	835	9461
Delhi	2839	0	-78	-367	1522	0	-46	-867	3089
UP	10253	1990	344	57	8852	600	-391	43	10931
Uttarakhand	1700	0	1	515	1088	0	-4	300	1710
HP	1033	0	-41	85	656	0	47	226	1272
J&K	1845	326	23	574	1592	281	-86	637	1919
Chandigarh	183	0	-18	0	86	0	-4	-31	183
<b>Total</b>	<b>36370</b>	<b>2316</b>	<b>310</b>	<b>657</b>	<b>29015</b>	<b>881</b>	<b>-362</b>	<b>522</b>	<b>36966</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 :

A. NTPC	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
	Singrauli STPS (5*200+2*500)	2000	1930	2058	1776	47.84	1993	44.52	3.32
	Rihand I STPS (2*500)	1000	895	882	698	18.65	777	18.68	-0.04
	Rihand II STPS (2*500)	1000	900	843	678	18.43	768	18.34	0.09
	Rihand III STPS (2*500)	1000	966	858	782	20.51	854	20.21	0.30
	Dadri I STPS (4*210)	840	815	602	560	15.07	628	14.00	1.07
	Dadri II STPS (2*490)	980	980	691	661	17.23	718	16.76	0.47
	Unchahar I TPS (2*210)	420	405	350	271	6.92	288	7.15	-0.23
	Unchahar II TPS (2*210)	420	403	352	272	6.93	289	6.86	0.07
	Unchahar III TPS (1*220)	210	201	156	135	3.47	145	3.41	0.06
	ISTPP (Jhajhar) (3*500)	1500	1500	646	650	15.09	629	16.10	-1.02
	Dadri GPS (4*130.19+2*154.51)	830	844	188	174	4.35	181	4.44	-0.09
	Anta GPS (3*88.71+1*153.2)	419	426	0	233	1.25	52	1.38	-0.14
	Auraiya GPS (4*111.19+2*109.30)	663	511	161	135	3.73	155	3.80	-0.07
	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
	Singrauli Solar	15	2	0	0	0.00	0	0	-0.04
	<b>Sub Total (A)</b>	<b>11312</b>	<b>10780</b>	<b>7787</b>	<b>7025</b>	<b>180</b>	<b>7480</b>	<b>176</b>	<b>4</b>
B. NPC	NAPS (2*220)	440	386	419	428	9.20	383	9.26	-0.06
	RAPS- B (2*220)	440	407	447	450	9.74	406	9.77	-0.03
	RAPS- C (2*220)	440	403	442	444	9.56	398	9.67	-0.11
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1196</b>	<b>1308</b>	<b>1322</b>	<b>28.50</b>	<b>1187</b>	<b>28.70</b>	<b>-0.21</b>
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	6.22	259	6.00	0.22
	Chamera II HPS (3*100)	300	200	210	0	2.22	92	2.15	0.07
	Chamera III HPS (3*77)	231	231	228	0	1.11	46	1.05	0.06
	Bairasuli HPS(3*60)	180	179	182	60	2.16	90	2.04	0.12
	Salal-HPS (6*115)	690	223	230	215	5.70	237	5.34	0.36
	Tanakpur-HPS (3*40)	94	24	26	33	0.60	25	0.57	0.03
	Uri-I HPS (4*120)	480	308	265	302	7.72	322	7.40	0.32
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	140	140	0	0.77	32	0.70	0.07
	Dulhasti-HPS (3*130)	390	387	406	0	3.55	148	3.40	0.15
	Sewa-II HPS (3*40)	120	114	131	127	2.94	123	2.74	0.20
	Parbati 3 (4*130)	520	157	130	0	0.52	22	0.52	0.00
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2496</b>	<b>2498</b>	<b>736</b>	<b>34</b>	<b>1396</b>	<b>32</b>	<b>2</b>
D. SJVNL	NJPC (6*250)	1500	1080	1085	0	6.41	267	6.29	0.12
	Rampur HEP (4*68.67)	275	370	296	0	1.81	75	1.75	0.06
	<b>Sub Total (D)</b>	<b>1775</b>	<b>1450</b>	<b>1381</b>	<b>0</b>	<b>8.22</b>	<b>343</b>	<b>8.04</b>	<b>0.18</b>
E. THDC	Tehri HPS (4*250)	1000	848	849	0	8.68	362	8.60	0.08
	Koteshwar HPS (4*100)	400	146	300	100	3.52	147	3.50	0.02
	<b>Sub Total (E)</b>	<b>1400</b>	<b>994</b>	<b>1149</b>	<b>100</b>	<b>12.20</b>	<b>508</b>	<b>12.10</b>	<b>0.10</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	742	1064	485	18.03	751	17.81	0.22
	Dehar HPS (6*165)	990	320	330	330	7.38	307	7.68	-0.31
	Pong HPS (6*66)	396	114	232	0	2.66	111	2.74	-0.09
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1176</b>	<b>1626</b>	<b>815</b>	<b>28.06</b>	<b>1169</b>	<b>28.23</b>	<b>-0.17</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.41	17	0.39	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	0	0	3.15	131	3.13	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	133	84	2.85	119	2.88	-0.04
	Budhil HPS(IPP)	70	0	0	36	0.29	12	0.29	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>133</b>	<b>120</b>	<b>6.70</b>	<b>279</b>	<b>6.68</b>	<b>0.01</b>
<b>H. Total Regional Entities (A-G)</b>		<b>24434</b>	<b>18092</b>	<b>15882</b>	<b>10118</b>	<b>296.69</b>	<b>12362</b>	<b>291.43</b>	<b>5.26</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	320	330	7.56	315
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	100	100	2.26	94
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	339	405	8.05	335
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	359	330	7.84	327
	Talwandi Saboo (1*660)	660	346	344	7.33	306
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1464</b>	<b>1509</b>	<b>33.04</b>	<b>1377</b>
	Total Hydro	1148	456	473	11.51	480
<b>Total Punjab</b>	<b>5828</b>	<b>1920</b>	<b>1982</b>	<b>44.55</b>	<b>1856</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	231	221	5.25	219
	DCRTPP (Yamuna nagar) (2*300)	600	273	245	5.98	249
	Faridabad GPS (NTPC)	432	199	157	4.19	174
	RGTPP (khedar) (IPP) (2*600)	1200	1157	733	19.30	804
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	897	742	19.88	828
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2757</b>	<b>2098</b>	<b>54.60</b>	<b>2275</b>
	Total Hydro	62	6	17	0.39	16
	<b>Total Haryana</b>	<b>5006</b>	<b>2763</b>	<b>2115</b>	<b>54.98</b>	<b>2291</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1034	1043	25.65
suratgarh TPS (6*250)		1500	989	954	24.01	1001
Chabra TPS (3*250)		750	776	762	18.18	758
Dholpur GPS (3*110)		330	111	111	2.81	117
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	119	44	3.31	138
RAPS A (NPC) (1*100+1*200)		300	164	154	4.06	169
Barsingsar (NLC) (2*125)		250	180	189	4.28	179
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	660	780	19.19	800
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	881	1190	26.28	1095
<b>Thermal (Total)</b>		<b>8026</b>	<b>4914</b>	<b>5227</b>	<b>128</b>	<b>5324</b>
Total Hydro		550	255	88	5.17	215
Wind power		2798	716	249	10.11	421
Biomass		99	14	14	0.33	14
Solar		730	0	0	0.10	4
Renewable/Others (Total)		3627	730	263	10.54	439
<b>Total Rajasthan</b>		<b>12203</b>	<b>5899</b>	<b>5578</b>	<b>143.48</b>	<b>5978</b>
UP	Anpara TPS (3*210+2*500)	1630	1419	1427	33.60	1400
	Obra TPS (2*50+2*94+5*200)	1194	359	348	8.50	354
	Paricha TPS (2*110+2*220+2*250)	1140	674	629	15.40	642
	Panki TPS (2*105)	210	140	140	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	200	203	5.00	208
	Tanda TPS (NTPC) (4*110)	440	318	319	8.20	342
	Roza TPS (IPP) (4*300)	1200	774	779	19.60	817
	Anpara-C (IPP) (2*600)	1200	783	995	19.40	808
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4667</b>	<b>4840</b>	<b>112.90</b>	<b>4704</b>
	Vishnuparyag HPS (IPP)	400	71	69	1.70	71
	Other Hydro	527	181	87	2.40	100
	Cogeneration	981	800	800	19.20	800
	<b>Total UP</b>	<b>10037</b>	<b>5719</b>	<b>5796</b>	<b>136.20</b>	<b>5604</b>
	Uttarakhand	Total Hydro	1398	502	281	9.58
<b>Total Uttarakhand</b>		<b>1398</b>	<b>502</b>	<b>281</b>	<b>9.58</b>	<b>399</b>
Delhi	Raighat TPS (2*67.5)	135	42	36	0.85	36
	Delhi Gas Turbine (6x30 + 3x34)	282	78	81	1.87	78
	Pragati Gas Turbine (2x104+ 1x122)	330	154	158	3.77	157
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	313	269	6.82	284
	Badarpur TPS (NTPC) (3*95+2*210)	705	158	160	3.87	161
	<b>Thermal (Total)</b>	<b>2917</b>	<b>745</b>	<b>704</b>	<b>17.18</b>	<b>716</b>
<b>Total Delhi</b>	<b>2917</b>	<b>745</b>	<b>704</b>	<b>17.18</b>	<b>716</b>	
HP	Baspa HPS (IPP) (2*150)	300	29	39	1.04	43
	Malana HPS (IPP) (2*43)	86	0	0	0.32	13
	Other Hydro	728	281	216	5.62	234
	<b>Total HP</b>	<b>1114</b>	<b>310</b>	<b>255</b>	<b>6.98</b>	<b>291</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	294	214	5.55	231
	Other Hydro/IPP	436	98	78	2.02	84
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>392</b>	<b>292</b>	<b>7.57</b>	<b>315</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>18250</b>	<b>17003</b>	<b>420.51</b>	<b>17450</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>5210</b>	<b>3411</b>	<b>115.28</b>	<b>4803</b>
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>39342</b>	<b>30532</b>	<b>832.47</b>	<b>34616</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	6654	1651	85.55	3565
State Control Area Hydro	5684	2102	1493	45.29	1816
<b>Total Regional Hydro</b>	<b>17116</b>	<b>8756</b>	<b>3144</b>	<b>130.83</b>	<b>5381</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	-500	0	500	0.00	6.73	-6.73
Gwalior-Agra (D/C)	1663	1240	2080	0	38.76	0.00	38.76
Zerda-Kankroli	-222	-329	0	361	0.00	5.94	-5.94
Zerda-Bhinmal	-121	-223	13	272	0.00	3.32	-3.32
Malanpur-Auraiya	-70	-113	0	147	0.00	2.26	-2.26
Badod-Kota/Morak	-84	-187	0	192	0.00	2.82	-2.82
Mundra-Mohindergarh(HVDC)	2302	2298	2505	0	56.92	0.00	56.92
Vindhychal - Rihand	498	419	500	0	11.73	0.00	11.73
<b>Sub Total WR</b>	<b>3766</b>	<b>2605</b>			<b>107.41</b>	<b>21.07</b>	<b>86.34</b>
Pusauli Bypass	400	200	400	0	7.34	0.00	7.34
MZP- GKP (D/C)	193	47	208	104	1.92	0.00	1.92
Patna-Balia(D/C)	498	449	608	0	11.82	0.00	11.82
B'Sharif-Balia (D/C)	-64	-78	77	253	0.00	1.59	-1.59
Pusauli-Balia	24	-2	121	67	0.16	0.00	0.16
Gaya-Fatehpur (765 Kv)	284	136	400	0	6.17	0.00	6.17
Pusauli-Sahupuri	148	153	180	0	3.13	0.00	3.13
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-40	-30	0	46	0.00	0.83	-0.83
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	1	-69	132	166	0.33	0.00	0.33
<b>Sub Total ER</b>	<b>1444</b>	<b>806</b>			<b>31.36</b>	<b>2.42</b>	<b>28.94</b>
<b>Total IR Exch</b>	<b>5210</b>	<b>3411</b>			<b>138.77</b>	<b>23.50</b>	<b>115.28</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
18.19	0.18	18.37	4.58	-0.85	14.40	0.00	0.50	-0.50

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
37.85	70.87	108.72	28.94	86.34	115.28	-8.91	15.47	6.55

**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	0.05	1.93	16.12	54.57	60.24	15.57	8.08	0.06	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				
50.21	2.26	49.69	18.43	49.99	0.08	0.09	50.22	49.91

**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	02:22	401	16:42	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	425	02:01	404	18:46	0.0	0.0	18.2	0.0
Kanpur	400	419	02:58	400	18:41	0.0	0.0	0.0	0.0
Dadri	400	411	12:59	405	14:23	78.1	78.1	0.0	0.0
Ballabgarh	400	429	02:58	407	18:43	0.0	0.0	24.2	0.0
Bawana	400	426	01:57	408	14:19	0.0	0.0	22.6	0.0
Bassi	400	421	05:02	396	22:15	0.0	0.0	0.2	0.0
Hissar	400	415	04:00	395	14:20	0.0	0.0	0.0	0.0
Moga	400	422	02:23	407	14:28	0.0	0.0	11.9	0.0
Abdullapur	400	423	01:58	396	14:24	0.0	0.0	4.6	0.0
Nalagarh	400	432	02:04	415	11:22	0.0	0.0	48.7	4.3
Kishenpur	400	426	13:01	402	18:38	0.0	0.0	14.1	0.0
Wagoora	400	410	07:49	376	18:46	4.7	30.1	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	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Balia	765	775	02:01	747	18:42	0.0	0.0	0.0	0.0
Moga	765	801	04:02	772	14:23	0.0	0.0	0.3	0.0
Agra	765	792	02:26	758	10:37	0.0	0.0	0.0	0.0
Bhiwani	765	801	03:01	772	14:28	0.0	0.0	0.8	0.0
Unnao	765	772	03:02	740	18:42	0.0	1.8	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	483.83	552.50	491.02	768.41	223.84	598.45
Pong	426.72	384.05	399.28	203.01	406.18	379.44	200.88	192.75
Tehri	829.79	740.04	786.55	406.00	793.25	502.00	35.42	228.00
Koteshwar	612.50	598.50	610.35	4.69	610.37	4.69	228.00	233.00
Chamera-I	760.00	748.75	759.73	0.00	0.00	0.00	137.85	167.76
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	500.98	3.14	508.59	1.59	167.09	147.21

\* 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	189	0	-290	227	0	-7.20	5.68	-1.53
Delhi	-686	-179	-2	-474	118	-10	-11.23	0.25	-10.97
Haryana	-605	115	0	-596	131	0	-15.69	2.60	-13.09
HP	463	-238	0	332	-247	0	11.31	-6.12	5.18
J&K	637	0	0	452	122	0	12.88	0.42	13.30
CHD	-31	0	0	0	0	0	-0.24	0.00	-0.24
Rajasthan	294	539	2	294	68	-41	7.05	10.33	17.39
UP	43	0	0	57	0	0	0.38	0.00	0.38
Uttarakhand	269	31	0	269	198	49	6.35	3.13	9.48
<b>Total</b>	<b>64</b>	<b>458</b>	<b>0</b>	<b>42</b>	<b>617</b>	<b>-2</b>	<b>3.60</b>	<b>16.29</b>	<b>19.89</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-290	-321	360	3	0	0
Delhi	-243	-686	200	-189	-2	-10
Haryana	-596	-772	131	30	0	0
HP	522	332	-86	-617	0	0
J&K	637	452	196	-204	0	0
CHD	0	-31	0	0	0	0
Rajasthan	294	294	542	-120	2	-41
UP	110	-94	0	0	0	0
Uttarakhand	269	253	213	28	49	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 23.02.2015 :**  
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 :**