

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 27.02.2015  
Date of Reporting : 28.02.2015

### 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
36903	1480	38383	50.05	29268	744	30012	50.13	806.9	37.02

\* 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	24.30	9.05		33.36	47.56	48.37	0.81	81.73	0.00
Haryana	56.18	0.60		56.77	65.81	67.96	2.15	124.73	0.00
Rajasthan	125.20	4.23	6.82	136.26	73.62	74.66	1.04	210.91	0.00
Delhi	17.55			17.55	42.03	41.57	-0.46	59.12	0.05
UP	128.94	4.06		133.00	91.06	92.47	1.40	225.47	29.22
Uttarakhand		11.80		11.80	20.75	21.34	0.59	33.14	0.13
HP		8.66		8.66	15.84	16.60	0.76	25.25	0.00
J & K		11.21	0.00	11.21	33.81	31.97	-1.84	43.18	7.62
Chandigarh				0.00	3.59	3.40	0.27	3.40	0.00
<b>Total</b>	<b>352.17</b>	<b>49.62</b>	<b>6.82</b>	<b>408.61</b>	<b>394.08</b>	<b>398.33</b>	<b>4.72</b>	<b>806.94</b>	<b>37.02</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	4118	0	-144	-203	2527	0	66	-271	4270
Haryana	6068	0	55	-748	4153	0	70	-420	6251
Rajasthan	8473	0	-128	597	8666	0	31	841	9528
Delhi	2857	0	-109	-377	1512	0	-105	-944	3221
UP	10495	1105	-2	71	8967	490	-94	74	11133
Uttarakhand	1676	40	8	442	1129	0	23	275	1676
HP	1135	0	-187	-25	785	0	45	13	1364
J&K	1899	335	-147	501	1441	254	-197	475	2092
Chandigarh	182	0	-23	0	89	0	-13	-46	192
<b>Total</b>	<b>36903</b>	<b>1480</b>	<b>-677</b>	<b>255</b>	<b>29268</b>	<b>744</b>	<b>-175</b>	<b>-2</b>	<b>38331</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 :

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	1930	2011	1530	46.91	1955	43.58	3.33
	Rihand I STPS (2*500)	1000	925	817	710	19.66	819	18.34	1.32
	Rihand II STPS (2*500)	1000	900	808	674	19.32	805	17.98	1.34
	Rihand III STPS (2*500)	1000	966	847	723	19.51	813	18.52	0.99
	Dadri I STPS (4*210)	840	815	615	609	15.03	626	13.97	1.06
	Dadri II STPS (2*490)	980	980	710	706	17.21	717	16.58	0.63
	Unchahar I TPS (2*210)	420	405	277	258	6.67	278	7.39	-0.72
	Unchahar II TPS (2*210)	420	402	277	273	6.67	278	7.03	-0.36
	Unchahar III TPS (1*220)	210	201	136	132	3.28	137	3.47	-0.19
	ISTPP (Jhajhar) (3*500)	1500	1500	906	926	20.62	859	21.60	-0.98
	Dadri GPS (4*130.19+2*154.51)	830	843	190	200	4.38	183	4.43	-0.05
	Anta GPS (3*88.71+1*153.2)	419	418	-1	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	510	270	315	6.90	288	6.98	-0.08
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	0	0	0	0.00	0	0.00	0.00
	Singrauli Solar	15	3	0	0	0.04	2	0	-0.03
	<b>Sub Total (A)</b>	<b>11312</b>	<b>10800</b>	<b>7863</b>	<b>7056</b>	<b>186</b>	<b>7759</b>	<b>180</b>	<b>6</b>
B. NPC	NAPS (2*220)	440	381	427	429	9.32	388	9.14	0.18
	RAPS- B (2*220)	440	406	455	456	9.91	413	9.74	0.17
	RAPS- C (2*220)	440	403	449	452	9.71	405	9.67	0.04
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1190</b>	<b>1331</b>	<b>1337</b>	<b>28.94</b>	<b>1206</b>	<b>28.56</b>	<b>0.38</b>
C. NHPC	Chamera I HPS (3*180)	540	538	551	541	13.03	543	12.91	0.12
	Chamera II HPS (3*100)	300	200	203	101	3.57	149	3.58	-0.01
	Chamera III HPS (3*77)	231	231	228	0	1.87	78	1.85	0.02
	Bairasuli HPS(3*60)	180	153	180	80	3.47	145	3.43	0.05
	Salal-HPS (6*115)	690	341	345	348	8.61	359	8.19	0.42
	Tanakpur-HPS (3*40)	94	32	32	47	0.79	33	0.71	0.08
	Uri-I HPS (4*120)	480	447	475	474	11.07	461	10.72	0.35
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	140	140	0	1.08	45	1.00	0.08
	Dulhasti-HPS (3*130)	390	387	402	0	2.59	108	2.50	0.09
	Sewa-II HPS (3*40)	120	122	131	131	3.11	129	2.93	0.18
	Parbati 3 (4*130)	520	260	266	0	0.83	34	0.78	0.05
	<b>Sub Total (C)</b>	<b>4065</b>	<b>2851</b>	<b>2951</b>	<b>1721</b>	<b>50</b>	<b>2084</b>	<b>49</b>	<b>1</b>
D. SJVNL	NJPC (6*250)	1500	1531	1358	0	7.49	312	7.56	-0.07
	Rampur HEP (4*68.67)	275	370	371	0	2.03	84	2.04	-0.01
	<b>Sub Total (D)</b>	<b>1775</b>	<b>1901</b>	<b>1729</b>	<b>0</b>	<b>9.51</b>	<b>396</b>	<b>9.60</b>	<b>-0.08</b>
E. THDC	Tehri HPS (4*250)	1000	832	824	0	7.45	311	7.40	0.05
	Koteshwar HPS (4*100)	400	125	301	0	3.05	127	3.00	0.05
	<b>Sub Total (E)</b>	<b>1400</b>	<b>957</b>	<b>1125</b>	<b>0</b>	<b>10.51</b>	<b>438</b>	<b>10.40</b>	<b>0.11</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	681	1067	484	16.55	690	16.34	0.22
	Dehar HPS (6*165)	990	320	330	330	7.77	324	7.68	0.09
	Pong HPS (6*66)	396	50	174	0	1.16	49	1.19	-0.02
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1050</b>	<b>1571</b>	<b>814</b>	<b>25.48</b>	<b>1062</b>	<b>25.21</b>	<b>0.28</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	14	0.33	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	600	150	3.77	157	4.09	-0.32
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	127	113	2.97	124	2.96	0.01
	Budhil HPS(IPP)	70	0	0	36	0.43	18	0.43	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>727</b>	<b>299</b>	<b>7.51</b>	<b>313</b>	<b>7.81</b>	<b>-0.30</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>24434</b>	<b>18749</b>	<b>17298</b>	<b>11227</b>	<b>318.20</b>	<b>13258</b>	<b>310.14</b>	<b>8.06</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	190	160	3.90	162
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	0	0	-0.05	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	178	180	4.09	171
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	597	350	9.10	379
	Talwandi Saboo (1*660)	660	337	340	7.26	303
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1302</b>	<b>1030</b>	<b>24.30</b>	<b>1013</b>
	Total Hydro	1148	367	330	9.05	377
<b>Total Punjab</b>	<b>5828</b>	<b>1669</b>	<b>1360</b>	<b>33.36</b>	<b>1390</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	216	220	5.18	216
	DCRTPP (Yamuna nagar) (2*300)	600	236	235	5.74	239
	Faridabad GPS (NTPC)	432	174	173	4.10	171
	RGTPP (khedar) (IPP) (2*600)	1200	737	748	18.06	752
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1112	740	23.10	963
	<b>Thermal (Total)</b>	<b>4944</b>	<b>2475</b>	<b>2116</b>	<b>56.18</b>	<b>2341</b>
	Total Hydro	62	21	16	0.60	25
	<b>Total Haryana</b>	<b>5006</b>	<b>2496</b>	<b>2132</b>	<b>56.77</b>	<b>2366</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1061	1062	23.97
suratgarh TPS (6*250)		1500	1163	1156	30.00	1250
Chabra TPS (3*250)		750	584	385	11.71	488
Dholpur GPS (3*110)		330	114	114	2.88	120
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	221	223	5.55	231
RAPS A (NPC) (1*100+1*200)		300	167	155	4.05	169
Barsingar (NLC) (2*125)		250	94	94	2.07	86
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	965	844	22.06	919
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	894	894	22.92	955
<b>Thermal (Total)</b>		<b>8026</b>	<b>5263</b>	<b>4927</b>	<b>125</b>	<b>5217</b>
Total Hydro		550	138	111	4.23	176
Wind power		2798	14	559	5.91	246
Biomass		99	25	25	0.61	25
Solar		730	0	0	0.31	13
Renewable/Others (Total)		3627	39	584	6.82	284
<b>Total Rajasthan</b>		<b>12203</b>	<b>5440</b>	<b>5622</b>	<b>136.26</b>	<b>5677</b>
UP	Anpara TPS (3*210+2*500)	1630	1328	1418	31.80	1325
	Obra TPS (2*50+2*94+5*200)	1194	347	437	8.80	367
	Paricha TPS (2*110+2*220+2*250)	1140	389	325	8.40	350
	Panki TPS (2*105)	210	117	135	3.10	129
	Harduaganj TPS (1*60+1*105+2*250)	665	440	342	8.50	354
	Tanda TPS (NTPC) (4*110)	440	293	320	7.85	327
	Roza TPS (IPP) (4*300)	1200	761	572	20.05	835
	Anpara-C (IPP) (2*600)	1200	957	1094	21.23	885
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4632</b>	<b>4643</b>	<b>109.74</b>	<b>4572</b>
	Vishnuparyag HPS (IPP)	400	85	82	1.82	76
	Other Hydro	527	85	60	2.25	94
	Cogeneration	981	800	800	19.20	800
	<b>Total UP</b>	<b>10037</b>	<b>5602</b>	<b>5585</b>	<b>133.00</b>	<b>5466</b>
	Uttarakhand	Total Hydro	1398	503	509	11.80
<b>Total Uttarakhand</b>		<b>1398</b>	<b>503</b>	<b>509</b>	<b>11.80</b>	<b>492</b>
Delhi	Raighat TPS (2*67.5)	135	40	40	0.90	38
	Delhi Gas Turbine (6x30 + 3x34)	282	78	75	1.92	80
	Pragati Gas Turbine (2x104+ 1x122)	330	153	159	3.83	159
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	320	271	7.08	295
	Badarpur TPS (NTPC) (3*95+2*210)	705	155	162	3.82	159
	<b>Thermal (Total)</b>	<b>2917</b>	<b>746</b>	<b>707</b>	<b>17.55</b>	<b>731</b>
<b>Total Delhi</b>	<b>2917</b>	<b>746</b>	<b>707</b>	<b>17.55</b>	<b>731</b>	
HP	Baspa HPS (IPP) (2*150)	300	81	0	0.86	36
	Malana HPS (IPP) (2*43)	86	0	0	0.33	14
	Other Hydro	728	332	325	7.48	311
	<b>Total HP</b>	<b>1114</b>	<b>413</b>	<b>325</b>	<b>8.66</b>	<b>361</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	442	292	9.13	381
	Other Hydro/IPP	436	105	82	2.08	87
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>547</b>	<b>374</b>	<b>11.21</b>	<b>467</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>17416</b>	<b>16614</b>	<b>408.61</b>	<b>16950</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>5574</b>	<b>2894</b>	<b>107.87</b>	<b>4495</b>
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>40288</b>	<b>30735</b>	<b>834.68</b>	<b>34703</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	7976	2685	99.63	4151
State Control Area Hydro	5684	2074	1725	49.62	1992
<b>Total Regional Hydro</b>	<b>17116</b>	<b>10050</b>	<b>4410</b>	<b>149.25</b>	<b>6143</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	-100	-500	50	500	0.06	7.26	-7.20
Gwalior-Agra (D/C)	1882	1072	2090	0	38.95	0.00	38.95
Zerda-Kankroli	-47	-338	0	354	0.00	4.26	-4.26
Zerda-Bhinmal	27	-257	107	327	0.00	2.22	-2.22
Malanpur-Auraiya	30	-148	0	157	0.00	2.56	-2.56
Badod-Kota/Morak	-36	-146	0	170	0.00	1.74	-1.74
Mundra-Mohindergarh(HVDC)	2302	2102	2305	0	53.76	0.00	53.76
Vindhychal - Rihand	510	444	510	0	11.49	0.00	11.49
<b>Sub Total WR</b>	<b>4568</b>	<b>2229</b>			<b>104.27</b>	<b>18.04</b>	<b>86.23</b>
Pusauli Bypass	400	400	400	0	8.81	0.00	8.81
MZP- GKP (D/C)	28	112	88	234	0.00	1.53	-1.53
Patna-Balia(D/C)	614	473	685	0	13.59	0.00	13.59
B'Sharif-Balia (D/C)	-158	-150	20	298	0.00	3.41	-3.41
Pusauli-Balia	-17	-43	51	130	0.00	0.38	-0.38
Gaya-Fatehpur (765 Kv)	167	-8	373	40	3.98	0.00	3.98
Pusauli-Sahupuri	129	166	186	0	3.14	0.00	3.14
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-36	-40	0	44	0.00	0.84	-0.84
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-121	-245	114	270	0.00	2.18	-2.18
<b>Sub Total ER</b>	<b>1006</b>	<b>665</b>			<b>30.00</b>	<b>8.35</b>	<b>21.65</b>
<b>Total IR Exch</b>	<b>5574</b>	<b>2894</b>			<b>134.27</b>	<b>26.39</b>	<b>107.87</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
15.40	0.14	15.54	4.93	-2.03	4.49	0.00	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
25.18	78.11	103.29	21.65	86.23	107.87	-3.53	8.11	4.58

**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	0.19	3.24	65.23	61.77	24.18	9.55	2.33	NA

Frequency (Hz)				Average Frequency (Hz)	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time					
50.27	6.01	49.76	6.12	50.03	0.06	0.07	50.27	49.97

**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	402	09:18	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	426	01:47	404	18:47	0.0	0.0	22.0	0.0
Kanpur	400	420	01:41	402	18:42	0.0	0.0	0.0	0.0
Dadri	400	422	01:45	404	18:49	0.0	0.0	9.2	0.0
Ballabgarh	400	428	01:22	408	18:53	0.0	0.0	33.6	0.0
Bawana	400	426	01:47	406	18:48	0.0	0.0	26.0	0.0
Bassi	400	424	04:59	398	08:08	0.0	0.0	4.7	0.0
Hissar	400	415	21:45	396	11:19	0.0	0.0	0.0	0.0
Moga	400	422	01:24	406	11:25	0.0	0.0	13.7	0.0
Abdullapur	400	425	23:58	396	18:45	0.0	0.0	9.6	0.0
Nalagarh	400	431	21:02	200	05:56	32.2	32.3	41.5	0.6
Kishenpur	400	224	02:40	214	18:48	100.0	100.0	0.0	0.0
Wagoora	400	404	13:01	376	07:12	7.2	42.1	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	783	03:02	748	09:15	0.0	0.0	0.0	0.0
Balia	765	781	02:02	752	18:42	0.0	0.0	0.0	0.0
Moga	765	802	01:46	770	11:20	0.0	0.0	1.0	0.0
Agra	765	794	03:03	755	09:15	0.0	0.0	0.0	0.0
Bhiwani	765	806	01:41	772	11:21	0.0	0.0	8.9	0.0
Unnao	765	774	02:03	742	18:49	0.0	0.0	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	482.53	519.70	489.75	729.18	127.37	544.36
Pong	426.72	384.05	399.46	209.93	405.62	361.16	232.17	85.26
Tehri	829.79	740.04	784.80	385.20	791.70	483.10	66.36	199.00
Koteshwar	612.50	598.50	610.54	4.75	609.96	4.44	199.00	202.00
Chamera-I	760.00	748.75	758.83	0.00	0.00	0.00	270.79	351.71
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	502.06	3.05	508.56	2.23	253.03	145.54

\* 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	-312	41	0	-287	84	0	-7.02	4.35	-2.66
Delhi	-686	-258	0	-474	127	-31	-11.23	-1.78	-13.01
Haryana	-596	177	0	-635	-113	0	-16.02	2.64	-13.38
HP	413	-400	0	384	-409	0	10.51	-9.87	0.64
J&K	628	-153	0	452	49	0	12.71	-1.08	11.63
CHD	-31	0	-15	0	0	0	-0.24	-0.09	-0.34
Rajasthan	294	545	2	294	337	-35	7.05	10.66	17.71
UP	74	0	0	71	0	0	0.70	0.00	0.70
Uttarakhand	269	6	0	269	124	49	6.35	2.24	8.59
<b>Total</b>	<b>54</b>	<b>-43</b>	<b>-13</b>	<b>72</b>	<b>200</b>	<b>-17</b>	<b>2.82</b>	<b>7.06</b>	<b>9.88</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-281	-312	370	4	0	0
Delhi	-243	-686	167	-323	0	-31
Haryana	-596	-803	177	-113	0	0
HP	472	384	-269	-781	0	0
J&K	628	452	49	-204	0	0
CHD	0	-31	0	0	0	-15
Rajasthan	294	294	551	-160	2	-35
UP	124	-89	0	0	0	0
Uttarakhand	269	253	168	-7	49	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 27.02.2015 :**  
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 :**