

# 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 28.03.2015  
Date of Reporting : 29.03.2015

### I. Regional Availability/Demand:

Demand Met	Evening Peak (19:00 Hrs) MW			Off Peak (03:00 Hrs) MW			Day Energy (Net MU)		
	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
34296	1316	35612	50.04	32215	1567	33781	50.25	807.3	48.06

\* 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	57.89	7.82		65.71	55.47	54.63	-0.84	120.33	0.00
Haryana	46.55	0.55		47.10	59.26	58.70	-0.57	105.80	0.00
Rajasthan	110.77	0.70	14.87	126.33	51.96	51.67	-0.29	178.01	0.00
Delhi	20.64			20.64	44.87	45.28	0.41	65.92	0.00
UP	130.00	7.30		137.30	104.57	102.76	-1.81	240.06	40.24
Uttarakhand		11.95		11.95	18.26	19.59	1.32	31.53	0.08
HP		11.99		11.99	10.93	11.47	0.54	23.46	1.09
J & K		12.72	0.00	12.72	28.50	25.90	-2.60	38.62	6.65
Chandigarh				0.00	3.47	3.61	0.27	3.61	0.00
<b>Total</b>	<b>365.85</b>	<b>53.02</b>	<b>14.87</b>	<b>433.74</b>	<b>377.29</b>	<b>373.60</b>	<b>-3.56</b>	<b>807.34</b>	<b>48.06</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	5500	0	-172	-233	4776	0	-53	-282	5871
Haryana	4996	0	-16	177	3656	0	26	187	5574
Rajasthan	6587	0	-126	487	7400	0	-33	581	8277
Delhi	2989	0	-131	46	2286	0	79	-784	3243
UP	9882	960	-496	180	10475	1305	110	129	10761
Uttarakhand	1453	0	-12	432	1233	0	72	320	1607
HP	929	68	29	-524	849	0	60	-37	1236
J&K	1772	288	56	300	1440	262	-107	222	1916
Chandigarh	188	0	8	-20	100	0	-7	0	188
<b>Total</b>	<b>34296</b>	<b>1316</b>	<b>-860</b>	<b>844</b>	<b>32215</b>	<b>1567</b>	<b>147</b>	<b>337</b>	<b>37292</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	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	1942	2030	2080	48.95	2040	45.45	3.50
Rihand I STPS (2*500)	1000	925	897	991	21.25	885	19.47	1.78
Rihand II STPS (2*500)	1000	475	440	494	10.58	441	9.75	0.83
Rihand III STPS (2*500)	1000	970	863	1002	20.90	871	19.73	1.17
Dadri I STPS (4*210)	840	815	623	595	15.90	663	15.14	0.76
Dadri II STPS (2*490)	980	480	357	366	9.04	377	9.08	-0.04
Unchahar I TPS (2*210)	420	405	304	344	7.94	331	8.45	-0.51
Unchahar II TPS (2*210)	420	403	298	307	7.17	299	7.70	-0.53
Unchahar III TPS (1*220)	210	201	140	138	3.43	143	3.53	-0.09
ISTPP (Jhajhar) (3*500)	1500	1500	776	744	16.60	692	17.90	-1.30
Dadri GPS (4*130.19+2*154.51)	830	814	334	358	7.93	331	8.08	-0.15
Anta GPS (3*88.71+1*153.2)	419	172	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	657	153	151	3.69	154	4.40	-0.72
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar	10	3	0	0	0.04	2	0.06	-0.02
Singrauli Solar	15	3	0	0	0.04	2	0	-0.03
<b>Sub Total (A)</b>	<b>11312</b>	<b>9764</b>	<b>7215</b>	<b>7570</b>	<b>173</b>	<b>7229</b>	<b>169</b>	<b>5</b>
<b>B. NPC</b>								
NAPS (2*220)	440	385	425	427	9.33	389	9.25	0.08
RAPS- B (2*220)	440	401	437	442	9.53	397	9.62	-0.10
RAPS- C (2*220)	440	410	214	448	8.17	340	9.84	-1.67
<b>Sub Total (B)</b>	<b>1320</b>	<b>1196</b>	<b>1076</b>	<b>1317</b>	<b>27.03</b>	<b>1126</b>	<b>28.72</b>	<b>-1.69</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	548	536	12.05	502	11.90	0.15
Chamera II HPS (3*100)	300	300	302	26	5.27	220	5.20	0.07
Chamera III HPS (3*77)	231	231	232	0	3.21	134	3.18	0.03
Bairasuli HPS(3*60)	180	179	180	180	4.19	175	4.17	0.03
Salal-HPS (6*115)	690	439	460	440	10.95	456	10.57	0.38
Tanakpur-HPS (3*40)	94	38	48	37	0.97	40	0.91	0.06
Uri-I HPS (4*120)	480	468	472	475	11.40	475	11.25	0.15
Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
Dhauliganga-HPS (4*70)	280	210	210	0	2.05	86	2.01	0.04
Dulhasti-HPS (3*130)	390	387	406	0	5.01	209	4.80	0.21
Sewa-II HPS (3*40)	120	119	118	118	2.85	119	2.85	0.00
Parbati 3 (4*130)	520	260	260	0	0.12	5	1.17	-1.05
<b>Sub Total (C)</b>	<b>4065</b>	<b>3165</b>	<b>3236</b>	<b>1812</b>	<b>58</b>	<b>2420</b>	<b>58</b>	<b>0</b>
<b>D. SJVNL</b>								
NJPC (6*250)	1500	1385	1358	0	10.69	445	10.57	0.12
Rampur HEP (4*68.67)	275	404	373	0	3.03	126	2.96	0.07
<b>Sub Total (D)</b>	<b>1775</b>	<b>1788</b>	<b>1731</b>	<b>0</b>	<b>13.72</b>	<b>571</b>	<b>13.53</b>	<b>0.18</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	580	572	0	6.47	270	6.40	0.07
Koteshwar HPS (4*100)	400	117	302	90	2.82	118	2.80	0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>696</b>	<b>874</b>	<b>90</b>	<b>9.29</b>	<b>387</b>	<b>9.20</b>	<b>0.09</b>
<b>F. BBMB</b>								
Bhakra HPS (3*108+2*126+6*157)	1514	504	846	375	12.69	529	12.10	0.59
Dehar HPS (6*165)	990	454	495	495	11.59	483	10.90	0.69
Pong HPS (6*66)	396	31	184	0	0.63	26	0.75	-0.12
<b>Sub Total (F)</b>	<b>2900</b>	<b>989</b>	<b>1525</b>	<b>870</b>	<b>24.91</b>	<b>1038</b>	<b>23.74</b>	<b>1.17</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.83	35	0.81	0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	790	0	5.84	243	5.88	-0.04
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)	300	0	293	175	6.30	262	6.37	-0.07
Budhil HPS(IPP)	70	0	71	0	0.67	28	0.68	0.00
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1154</b>	<b>175</b>	<b>13.64</b>	<b>568</b>	<b>13.73</b>	<b>-0.09</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24434</b>	<b>17600</b>	<b>16811</b>	<b>11834</b>	<b>320.17</b>	<b>13340</b>	<b>315.77</b>	<b>4.41</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	480	510	12.09	504
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	190	190	4.36	181
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	595	515	13.56	565
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1013	701	18.41	767
	Talwandi Saboo (1*660)	660	386	647	9.48	395
	<b>Thermal (Total)</b>	<b>4680</b>	<b>2664</b>	<b>2563</b>	<b>57.89</b>	<b>2412</b>
	Total Hydro	1148	324	284	7.82	326
<b>Total Punjab</b>	<b>5828</b>	<b>2988</b>	<b>2847</b>	<b>65.71</b>	<b>2738</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	440	443	10.27	428
	DCRTPP (Yamuna nagar) (2*300)	600	472	468	11.36	473
	Faridabad GPS (NTPC)	432	153	176	3.97	166
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	751	757	20.94	873
	<b>Thermal (Total)</b>	<b>4944</b>	<b>1816</b>	<b>1844</b>	<b>46.55</b>	<b>1940</b>
	Total Hydro	62	19	18	0.55	23
	<b>Total Haryana</b>	<b>5006</b>	<b>1835</b>	<b>1862</b>	<b>47.10</b>	<b>1963</b>
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	862	862	20.55
suratgarh TPS (6*250)		1500	764	758	17.35	723
Chabra TPS (3*250)		750	765	761	17.42	726
Dholpur GPS (3*110)		330	124	122	2.74	114
Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)		271	210	173	5.20	217
RAPS A (NPC) (1*100+1*200)		300	162	166	4.13	172
Barsingsar (NLC) (2*125)		250	199	198	4.62	193
Giral LTPS (2*125)		250	80	67	1.57	65
Rajwest LTPS (IPP) (8*135)		1080	443	463	14.46	603
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(1*600)		600	0	93	1.79	75
Kawai(Adani) (2*660)		1320	879	950	20.94	872
<b>Thermal (Total)</b>		<b>8026</b>	<b>4488</b>	<b>4613</b>	<b>111</b>	<b>4615</b>
Total Hydro		550	0	22	0.70	29
Wind power		2798	598	641	14.11	588
Biomass		99	31	31	0.73	31
Solar		730	0	0	0.03	1
Renewable/Others (Total)		3627	629	672	14.87	620
<b>Total Rajasthan</b>		<b>12203</b>	<b>5117</b>	<b>5307</b>	<b>126.33</b>	<b>5264</b>
UP	Anpara TPS (3*210+2*500)	1630	1362	1373	32.20	1342
	Obra TPS (2*50+2*94+5*200)	1194	490	440	10.50	438
	Paricha TPS (2*110+2*220+2*250)	1140	660	501	13.70	571
	Panki TPS (2*105)	210	0	149	2.60	108
	Harduaganj TPS (1*60+1*105+2*250)	665	229	227	5.40	225
	Tanda TPS (NTPC) (4*110)	440	390	387	9.50	396
	Roza TPS (IPP) (4*300)	1200	1062	977	24.00	1000
	Anpara-C (IPP) (2*600)	1200	540	545	12.90	538
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4733</b>	<b>4599</b>	<b>110.80</b>	<b>4617</b>
	Vishnuparyag HPS (IPP)	400	108	108	2.50	104
	Other Hydro	527	156	281	4.80	200
	Cogeneration	981	800	800	19.20	800
	<b>Total UP</b>	<b>10037</b>	<b>5797</b>	<b>5788</b>	<b>137.30</b>	<b>5617</b>
Uttarakhand	Total Hydro	1398	471	451	11.95	498
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>471</b>	<b>451</b>	<b>11.95</b>	<b>498</b>
Delhi	Raighat TPS (2*67.5)	135	29	38	1.09	45
	Delhi Gas Turbine (6x30 + 3x34)	282	79	81	1.83	76
	Pragati Gas Turbine (2x104+ 1x122)	330	154	162	6.63	276
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	308	269	7.18	299
	Badarpur TPS (NTPC) (3*95+2*210)	705	220	239	3.92	163
	<b>Thermal (Total)</b>	<b>2917</b>	<b>791</b>	<b>789</b>	<b>20.64</b>	<b>860</b>
<b>Total Delhi</b>	<b>2917</b>	<b>791</b>	<b>789</b>	<b>20.64</b>	<b>860</b>	
HP	Baspa HPS (IPP) (2*150)	300	26	0	1.21	50
	Malana HPS (IPP) (2*43)	86	12	0	0.53	22
	Other Hydro	728	418	435	10.25	427
	<b>Total HP</b>	<b>1114</b>	<b>456</b>	<b>435</b>	<b>11.99</b>	<b>500</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	442	440	10.57	441
	Other Hydro/IPP	436	94	76	2.15	89
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>536</b>	<b>516</b>	<b>12.72</b>	<b>530</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>17991</b>	<b>17995</b>	<b>433.74</b>	<b>17968</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>3067</b>	<b>3282</b>	<b>71.99</b>	<b>2999</b>
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>37868</b>	<b>33111</b>	<b>825.90</b>	<b>34308</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	8156	2772	112.68	4695
State Control Area Hydro	5684	1962	2007	53.02	2105
<b>Total Regional Hydro</b>	<b>17116</b>	<b>10118</b>	<b>4779</b>	<b>165.70</b>	<b>6800</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	-300	-500	0	500	0.00	9.34	-9.34
Gwalior-Agra (D/C)	1312	1438	1881	0	32.31	0.00	32.31
Zerda-Kankroli	-302	-459	0	478	0.00	9.70	-9.70
Zerda-Bhinmal	-247	-359	0	472	0.00	7.68	-7.68
Malanpur-Auraiya	-11	-19	0	31	0.00	0.60	-0.60
Badod-Kota/Morak	-198	-188	0	218	0.00	4.06	-4.06
Mundra-Mohindergarh(HVDC)	1697	1998	2005	0	43.94	0.00	43.94
Vindhychal - Rihand	498	491	510	0	11.86	0.00	11.86
<b>Sub Total WR</b>	<b>2449</b>	<b>2402</b>			<b>88.11</b>	<b>31.38</b>	<b>56.73</b>
Pusauli Bypass	-351	-408	0	491	0.00	9.93	-9.93
MZP- GKP (D/C)	-39	126	138	95	0.42	0.00	0.42
Patna-Balia(D/C)	423	510	580	0	11.04	0.00	11.04
B'Sharif-Balia (D/C)	-22	24	61	45	0.00	0.11	-0.11
Pusauli-Balia	28	73	73	45	0.35	0.00	0.35
Gaya-Fatehpur (765 Kv)	243	234	317	0	5.65	0.00	5.65
Pusauli-Sahupuri	145	175	186	0	3.63	0.00	3.63
K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
Son Ngr-Rihand	-2	-40	0	40	0.00	0.61	-0.61
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	193	186	266	0	4.81	0.00	4.81
<b>Sub Total ER</b>	<b>618</b>	<b>880</b>			<b>25.90</b>	<b>10.64</b>	<b>15.26</b>
<b>Total IR Exch</b>	<b>3067</b>	<b>3282</b>			<b>114.01</b>	<b>42.02</b>	<b>71.99</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
22.22	0.11	22.33	3.16	-2.38	3.85	-0.45	2.84	-2.84

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
32.17	46.77	78.95	15.26	56.73	71.99	-16.91	9.96	-6.96

**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	0.20	1.91	8.84	45.07	62.05	16.89	11.16	1.77	0.00

Frequency (Hz)				Average Frequency (Hz)	Frequency Variation Index	Std. Dev. (Hz)	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time					
50.29	17.05	49.67	22.18	50.01	0.08	0.09	50.29	49.67

**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	21:44	400	16:01	0.0	0.0	0.0	0.0
Gorakhpur	400	415	17:05	390	13:35	0.0	0.0	0.0	0.0
Bareilly	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Kanpur	400	421	04:15	401	13:36	0.0	0.0	0.5	0.0
Dadri	400	425	22:55	404	10:48	0.0	0.0	29.9	0.0
Ballabgarh	400	432	23:30	403	10:06	0.0	0.0	38.1	2.2
Bawana	400	426	04:10	404	11:12	0.0	0.0	34.0	0.0
Bassi	400	423	21:25	398	11:36	0.0	0.0	4.9	0.0
Hissar	400	419	21:22	395	13:34	0.0	0.0	0.0	0.0
Moga	400	421	04:04	403	13:36	0.0	0.0	2.5	0.0
Abdullapur	400	427	23:28	396	18:50	0.0	0.0	32.6	0.0
Nalagarh	400	429	01:15	384	14:25	0.0	4.9	40.4	0.0
Kishenpur	400	226	03:21	214	19:39	100.0	100.0	0.0	0.0
Wagoora	400	409	04:36	378	19:43	1.0	23.7	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	781	21:40	745	13:35	0.0	0.0	0.0	0.0
Balia	765	767	17:18	738	13:35	0.0	1.3	0.0	0.0
Moga	765	801	21:49	765	13:35	0.0	0.0	0.0	0.0
Agra	765	792	21:40	755	10:24	0.0	0.0	0.0	0.0
Bhiwani	765	808	21:40	770	09:30	0.0	0.0	19.5	0.0
Unnao	765	771	21:40	737	13:36	0.0	4.1	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	480.35	468.02	482.32	511.55	360.53	395.78
Pong	426.72	384.05	402.60	281.22	402.46	273.51	141.41	46.61
Tehri	829.79	740.04	774.50	257.33	779.00	308.60	73.07	184.00
Koteshwar	612.50	598.50	611.35	5.46	611.41	5.20	184.00	187.00
Chamera-I	760.00	748.75	757.38	0.00	0.00	0.00	275.66	325.80
Rihand	268.22	252.98	845.60	189.70	850.00	255.50	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	508.86	3.22	512.49	1.93	328.61	150.83

\* 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	-322	40	0	-282	48	0	-7.03	2.94	-4.09
Delhi	-657	-86	-41	-453	539	-41	-11.57	5.32	-6.25
Haryana	61	126	0	46	131	0	0.74	2.46	3.20
HP	161	-198	0	-85	-439	0	2.56	-8.03	-5.48
J&K	530	-307	0	317	-17	0	9.45	-3.42	6.04
CHD	0	0	0	0	-20	0	0.00	-0.19	-0.19
Rajasthan	0	579	2	0	485	2	0.00	11.82	11.82
UP	129	0	0	180	0	0	2.83	0.00	2.83
Uttarakhand	90	203	26	158	248	26	3.45	3.74	7.20
<b>Total</b>	<b>-7</b>	<b>356</b>	<b>-12</b>	<b>-119</b>	<b>976</b>	<b>-12</b>	<b>0.42</b>	<b>14.65</b>	<b>15.07</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-277	-323	348	0	0	0
Delhi	-397	-657	566	-86	-10	-41
Haryana	61	-2	166	-328	0	0
HP	168	-85	-124	-619	0	0
J&K	530	317	-3	-321	0	0
CHD	0	0	0	-36	0	0
Rajasthan	0	0	582	-141	2	2
UP	203	42	0	0	0	0
Uttarakhand	158	90	314	-18	26	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 28.03.2015 :****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 :**