

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI18862

Power Supply Position in Northern Region for 22.03.2015  
Date of Reporting : 23.03.2015

### 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
31630	1743	33373	50.03	28472	1566	30038	50.06	724.5	40.66

\* 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/other\$	Total					
Punjab	38.07	6.46		44.53	49.61	48.02	-1.59	92.54	0.00
Haryana	30.52	0.40		30.91	65.39	65.37	-0.03	96.28	0.00
Rajasthan	94.00	0.72	6.76	101.47	65.66	69.09	3.43	170.56	0.00
Delhi	15.47			15.47	40.38	40.02	-0.35	55.49	0.01
UP	123.20	5.20		128.40	88.42	87.71	-0.71	216.11	33.87
Uttarakhand		10.57		10.57	19.29	20.71	1.43	31.29	0.14
HP		8.69		8.69	13.33	12.87	-0.46	21.56	0.00
J & K		7.85	0.00	7.85	30.02	29.84	-0.19	37.68	6.65
Chandigarh				0.00	3.00	2.95	0.27	2.95	0.00
<b>Total</b>	<b>301.25</b>	<b>39.88</b>	<b>6.76</b>	<b>347.89</b>	<b>375.10</b>	<b>376.57</b>	<b>1.79</b>	<b>724.46</b>	<b>40.66</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	4294	0	-22	-26	3688	0	-24	-284	4487
Haryana	4683	0	-246	127	3119	0	-45	-175	5405
Rajasthan	7052	0	-578	1036	6877	0	131	747	7700
Delhi	2476	0	-179	-448	1685	0	13	-761	2880
UP	8984	1450	-283	122	9599	1305	344	120	9788
Uttarakhand	1511	0	41	355	1181	0	116	280	1593
HP	860	8	-200	-260	753	0	6	191	1162
J&K	1617	285	152	320	1481	261	93	251	1848
Chandigarh	153	0	-9	-10	89	0	1	-10	157
<b>Total</b>	<b>31630</b>	<b>1743</b>	<b>-1324</b>	<b>1215</b>	<b>28472</b>	<b>1566</b>	<b>635</b>	<b>358</b>	<b>33958</b>

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

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### 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	1937	2074	2083	49.93	2080	46.45	3.47
	Rihand I STPS (2*500)	1000	925	860	987	23.48	978	21.66	1.82
	Rihand II STPS (2*500)	1000	480	450	517	12.02	501	11.03	0.99
	Rihand III STPS (2*500)	1000	976	843	1013	23.49	979	22.25	1.24
	Dadri I STPS (4*210)	840	815	638	533	16.07	670	15.36	0.71
	Dadri II STPS (2*490)	980	480	360	366	9.43	393	9.36	0.07
	Unchahar I TPS (2*210)	420	405	307	370	9.17	382	8.97	0.20
	Unchahar II TPS (2*210)	420	403	297	356	8.87	370	8.46	0.41
	Unchahar III TPS (1*220)	210	173	157	176	3.71	154	3.69	0.01
	ISTPP (Jhajhar) (3*500)	1500	1500	681	715	16.47	686	17.96	-1.49
	Dadri GPS (4*130.19+2*154.51)	830	831	381	347	8.68	362	8.65	0.03
	Anta GPS (3*88.71+1*153.2)	419	178	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	660	159	162	3.77	157	3.76	0.00
	Dadri Solar	5	1	0	0	0.03	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.04	2	0.06	-0.02
	Singrauli Solar	15	3	0	0	0.05	2	0	-0.02
	<b>Sub Total (A)</b>	<b>11312</b>	<b>9769</b>	<b>7207</b>	<b>7625</b>	<b>185</b>	<b>7717</b>	<b>178</b>	<b>7</b>
B. NPC	NAPS (2*220)	440	390	424	433	9.47	395	9.36	0.11
	RAPS-B (2*220)	440	406	444	447	9.64	401	9.74	-0.11
	RAPS-C (2*220)	440	410	444	444	9.58	399	9.84	-0.26
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1206</b>	<b>1309</b>	<b>1324</b>	<b>28.69</b>	<b>1195</b>	<b>28.94</b>	<b>-0.26</b>
C. NHPC	Chamera I HPS (3*180)	540	534	550	0	5.12	213	4.98	0.13
	Chamera II HPS (3*100)	300	300	306	29	3.16	132	3.07	0.09
	Chamera III HPS (3*77)	231	231	232	0	1.77	74	1.74	0.03
	Bairasuli HPS(3*60)	180	179	181	123	3.43	143	3.32	0.11
	Salal-HPS (6*115)	690	390	460	459	9.67	403	9.36	0.31
	Tanakpur-HPS (3*40)	94	31	42	31	0.80	33	0.74	0.06
	Uri-I HPS (4*120)	480	468	473	473	11.44	477	11.24	0.20
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	210	211	0	1.19	49	1.12	0.07
	Dulhasti-HPS (3*130)	390	387	399	23	2.99	125	2.70	0.29
	Sewa-II HPS (3*40)	120	122	130	130	3.09	129	2.93	0.17
	Parbati 3 (4*130)	520	260	262	0	0.54	23	0.52	0.02
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3112</b>	<b>3245</b>	<b>1268</b>	<b>43</b>	<b>1800</b>	<b>42</b>	<b>1</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1613	0	7.05	294	6.99
Rampur HEP (4*68.67)		275	370	370	0	1.80	75	1.84	-0.03
<b>Sub Total (D)</b>		<b>1775</b>	<b>1975</b>	<b>1983</b>	<b>0</b>	<b>8.86</b>	<b>369</b>	<b>8.82</b>	<b>0.03</b>
E. THDC	Tehri HPS (4*250)	1000	576	576	0	6.64	277	6.80	0.04
	Koteshwar HPS (4*100)	400	117	299	0	2.86	119	2.60	0.06
	<b>Sub Total (E)</b>	<b>1400</b>	<b>693</b>	<b>875</b>	<b>0</b>	<b>9.50</b>	<b>396</b>	<b>9.40</b>	<b>0.10</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	408	806	335	10.08	420	9.79	0.29
	Dehar HPS (6*165)	990	293	495	165	7.02	292	7.03	-0.01
	Pong HPS (6*66)	396	6	122	0	0.13	5	0.15	-0.02
	<b>Sub Total (F)</b>	<b>2900</b>	<b>707</b>	<b>1423</b>	<b>500</b>	<b>17.23</b>	<b>718</b>	<b>16.97</b>	<b>0.26</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	80	0	0.32	13	0.29	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	738	0	3.64	152	3.72	-0.08
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	120	97	3.05	127	2.99	0.06
	Budhil HPS(IPP)	70	0	69	0	0.21	9	0.21	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1008</b>	<b>97</b>	<b>7.22</b>	<b>301</b>	<b>7.21</b>	<b>0.01</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24434</b>	<b>17462</b>	<b>17050</b>	<b>10814</b>	<b>299.90</b>	<b>12496</b>	<b>290.82</b>	<b>9.08</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	160	160	3.14	131
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	90	105	2.13	89
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	369	370	7.90	329
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	698	700	15.73	655
	Talwandi Saboo (1*660)	660	348	431	9.17	382
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1665</b>	<b>1766</b>	<b>38.07</b>	<b>1586</b>
	Total Hydro	1148	254	285	6.46	269
<b>Total Punjab</b>	<b>5828</b>	<b>1919</b>	<b>2051</b>	<b>44.53</b>	<b>1855</b>	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	278	243	5.81	242
	Faridabad GPS (NTPC)	432	197	305	5.30	221
	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	939	753	19.40	808
	<b>Thermal (Total)</b>	<b>4944</b>	<b>1414</b>	<b>1301</b>	<b>30.52</b>	<b>1272</b>
	Total Hydro	62	12	19	0.40	17
<b>Total Haryana</b>	<b>5006</b>	<b>1426</b>	<b>1320</b>	<b>30.91</b>	<b>1288</b>	
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	908	930	22.09	920
	suratgarh TPS (6*250)	1500	675	410	16.13	672
	Chabra TPS (3*250)	750	442	666	12.34	514
	Dholpur GPS (3*110)	330	40	0	0.81	34
	Ramgarh GPS (1*3 + 1*35.5 +2*37.5 +1*110 +1*50)	271	130	135	2.84	118
	RAPS A (NPC) (1*100+1*200)	300	169	159	3.99	166
	Barsingsar (NLC) (2*125)	250	193	193	4.57	190
	Giral LTPS (2*125)	250	80	80	1.83	76
	Rajwest LTPS (IPP) (8*135)	1080	842	846	20.23	843
	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	598	0	9.17	382
	<b>Thermal (Total)</b>	<b>8026</b>	<b>4077</b>	<b>3419</b>	<b>94</b>	<b>3917</b>
	Total Hydro	550	23	23	0.72	30
	Wind power	2798	154	678	5.98	249
	Biomass	99	27	27	0.65	27
	Solar	730	1	0	0.13	5
Renewable/Others (Total)	3627	182	705	6.76	282	
<b>Total Rajasthan</b>	<b>12203</b>	<b>4282</b>	<b>4147</b>	<b>101.47</b>	<b>4228</b>	
UP	Anpara TPS (3*210+2*500)	1630	1379	1224	30.80	1283
	Obra TPS (2*50+2*94+5*200)	1194	477	475	11.30	471
	Paricha TPS (2*110+2*220+2*250)	1140	604	672	15.60	650
	Panki TPS (2*105)	210	68	68	1.60	67
	Harduaganj TPS (1*60+1*105+2*250)	665	230	227	5.40	225
	Tanda TPS (NTPC) (4*110)	440	295	302	8.30	346
	Roza TPS (IPP) (4*300)	1200	194	266	5.50	229
	Anpara-C (IPP) (2*600)	1200	1060	1068	25.50	1063
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>8129</b>	<b>4307</b>	<b>4302</b>	<b>104.00</b>	<b>4333</b>
	Vishnuparyag HPS (IPP)	400	82	80	1.90	79
	Other Hydro	527	205	263	3.30	138
	Cogeneration	981	800	800	19.20	800
<b>Total UP</b>	<b>10037</b>	<b>5394</b>	<b>5445</b>	<b>128.40</b>	<b>5271</b>	
Uttarakhand	Total Hydro	1398	496	409	10.57	441
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>496</b>	<b>409</b>	<b>10.57</b>	<b>441</b>
Delhi	Raighat TPS (2*67.5)	135	48	43	1.05	44
	Delhi Gas Turbine (6x30 + 3x34)	282	80	81	1.88	78
	Pragati Gas Turbine (2x104+ 1x122)	330	150	154	3.69	154
	Rithala GPS (3*36)	95	0	0	-0.02	-1
	Bawana GPS (6*250)	1370	308	271	7.36	307
	Badarpur TPS (NTPC) (3*95+2*210)	705	71	71	1.52	63
	<b>Thermal (Total)</b>	<b>2917</b>	<b>657</b>	<b>619</b>	<b>15.47</b>	<b>645</b>
<b>Total Delhi</b>	<b>2917</b>	<b>657</b>	<b>619</b>	<b>15.47</b>	<b>645</b>	
HP	Baspa HPS (IPP) (2*150)	300	30	0	0.86	36
	Malana HPS (IPP) (2*43)	86	0	0	0.35	14
	Other Hydro	728	322	253	7.48	312
	<b>Total HP</b>	<b>1114</b>	<b>352</b>	<b>253</b>	<b>8.69</b>	<b>362</b>
J & K	Baqilhar HPS (IPP) (3*150)	450	294	214	6.39	266
	Other Hydro/IPP	436	65	0	1.46	61
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>359</b>	<b>214</b>	<b>7.85</b>	<b>327</b>
<b>Total State Control Area Generation</b>		<b>39597</b>	<b>14885</b>	<b>14458</b>	<b>347.89</b>	<b>14416</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>4962</b>	<b>4140</b>	<b>101.20</b>	<b>4217</b>
<b>Total Regional Availability(Gross)</b>		<b>64032</b>	<b>36897</b>	<b>29412</b>	<b>748.99</b>	<b>31129</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11432	8344	1768	82.75	3448
State Control Area Hydro	5684	1701	1466	39.88	1583
<b>Total Regional Hydro</b>	<b>17116</b>	<b>10045</b>	<b>3234</b>	<b>122.63</b>	<b>5030</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	-500	-500	0	500	0.00	11.21	-11.21
Gwalior-Agra (D/C)	1302	1030	2090	0	38.54	0.00	38.54
Zerda-Kankroli	-212	-336	0	336	0.00	5.56	-5.56
Zerda-Bhinmal	-105	-234	314	0	0.00	3.91	-3.91
Malanpur-Auraiya	-60	-41	0	75	0.00	1.01	-1.01
Badod-Kota/Morak	-85	-63	0	96	0.00	1.15	-1.15
Mundra-Mohindergarh(HVDC)	2302	2504	2509	0	58.54	0.00	58.54
Vindhychal - Rihand	516	507	516	0	12.02	0.00	12.02
<b>Sub Total WR</b>	<b>3158</b>	<b>2867</b>			<b>109.09</b>	<b>22.83</b>	<b>86.27</b>
Pusauli Bypass	599	537	0	641	0.00	13.60	-13.60
MZP- GKP (D/C)	44	-103	-155	44	1.36	0.00	1.36
Patna-Balia(D/C)	750	581	761	0	15.58	0.00	15.58
B'Sharif-Balia (D/C)	32	-67	67	67	0.00	0.11	-0.11
Pusauli-Balia	-64	-26	40	92	0.00	0.39	-0.39
Gaya-Fatehpur (765 Kv)	187	112	285	0	5.06	0.00	5.06
Pusauli-Sahupuri	131	177	200	0	3.69	0.00	3.69
K'nasa-Sahupuri	0	0	0	0	0.48	0.48	0.00
Son Ngr-Rihand	-26	-37	0	40	0.00	0.76	-0.76
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	151	99	236	0	4.12	0.00	4.12
<b>Sub Total ER</b>	<b>1804</b>	<b>1273</b>			<b>30.28</b>	<b>15.34</b>	<b>14.94</b>
<b>Total IR Exch</b>	<b>4962</b>	<b>4140</b>			<b>139.37</b>	<b>38.17</b>	<b>101.20</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
23.02	0.17	23.19	3.26	-1.63	5.34	13.65	0.54	-0.54

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
32.33	68.67	101.00	14.94	86.27	101.20	-17.39	17.60	0.20

**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	0.93	5.28	19.96	64.77	64.54	10.76	4.21	0.73	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					
50.27	18.03	49.62	22.07	49.96	0.10	0.09	50.20	49.78

**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	411	01:49	400	08:46	0.0	0.0	0.0	0.0
Gorakhpur	400	415	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	400	431	02:51	403	19:12	0.0	0.0	24.2	0.2
Kanpur	400	428	02:54	404	19:14	0.0	0.0	22.1	0.0
Dadri	400	426	23:24	406	19:17	53.1	53.1	11.5	0.0
Ballabgarh	400	437	01:27	410	19:19	0.0	0.0	56.1	24.2
Bawana	400	433	01:10	408	19:06	0.0	0.0	43.5	8.1
Bassi	400	430	01:26	396	07:31	0.0	0.0	32.8	0.0
Hissar	400	426	01:10	396	06:41	0.0	0.0	19.6	0.0
Moga	400	429	01:11	405	19:11	0.0	0.0	34.5	0.0
Abdullapur	400	430	01:10	396	06:39	0.0	0.0	25.7	0.0
Nalagarh	400	436	21:32	396	10:56	0.0	0.0	44.8	21.9
Kishenpur	400	231	02:32	216	19:23	100.0	100.0	0.0	0.0
Wagoora	400	410	01:14	362	08:10	1.9	13.8	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	782	02:53	743	06:25	0.0	0.0	0.0	0.0
Balia	765	785	02:54	744	19:16	0.0	0.0	0.0	0.0
Moga	765	814	01:10	768	06:43	0.0	0.0	30.3	0.0
Agra	765	796	01:27	751	06:25	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Unnao	765	777	02:52	732	19:17	0.0	12.8	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	480.60	474.82	483.08	536.06	214.02	293.33
Pong	426.72	384.05	402.25	273.51	402.93	288.96	124.23	11.58
Tehri	829.79	740.04	776.35	280.00	782.00	345.94	40.30	186.00
Koteshwar	612.50	598.50	611.10	5.10	610.65	4.69	186.00	190.00
Chamera-I	760.00	748.75	757.88	0.00	0.00	0.00	186.72	138.34
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	507.77	3.11	511.09	2.71	184.90	136.37

\* 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	-319	35	0	-282	256	0	-6.97	5.01	-1.96
Delhi	-657	-89	-15	-463	30	-15	-11.65	1.18	-10.47
Haryana	11	-186	0	20	108	0	-0.17	-0.22	-0.39
HP	162	29	0	42	-303	0	3.33	-2.39	0.94
J&K	555	-304	0	333	-14	0	9.93	-2.97	6.96
CHD	0	-10	0	0	-10	0	0.00	-0.14	-0.14
Rajasthan	0	745	2	0	1034	2	0.00	17.20	17.20
UP	120	0	0	122	0	0	2.02	0.00	2.02
Uttarakhand	90	189	0	158	197	0	3.45	4.60	8.05
<b>Total</b>	<b>-37</b>	<b>408</b>	<b>-13</b>	<b>-69</b>	<b>1298</b>	<b>-13</b>	<b>-0.07</b>	<b>22.27</b>	<b>22.19</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-274	-321	342	2	0	0
Delhi	-402	-657	542	-110	-15	-15
Haryana	20	-37	153	-343	0	0
HP	168	42	35	-506	0	0
J&K	555	333	0	-304	0	0
CHD	0	0	0	-20	0	0
Rajasthan	0	0	1306	445	2	2
UP	151	4	0	0	0	0
Uttarakhand	158	90	262	70	29	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 22.03.2015 :**  
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 :**